

Image Services Resource Adapter

Deployment Guide

For BEA WebLogic 9.x

Release 3.4 Fixpack 3

April 2009

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Contents

About This Manual 6

Conventions Used in the Document 6 Related References 6 Comments and Suggestions 6

1. ISRA Deployment 7

Deployment Requirements 7

Hardware Requirements 7 Software Requirements 7 **Deploying ISRA in a Standalone Environment 7** ISRA RA Descriptor (WebLogic specific) 8 Deploying ISRA.rar 9 Deploying Exploded Archive Files 17

Deploying ISRA in a Clustered Environment 29 Mandatory Requirements for ISRA 3.4.0 38

2. ISRA Configuration 40

Configuring Deployed ISRA 40 Changing ISRA Specific Parameters 40

Configurable ra.xml Properties 40 DomainName 41 **OrganizationName 41** LoggingLevel 41 LoggingMode 42 PageBufferSize 42 CacheRefreshInterval 42 SecurityCacheMode 42 MetaDataCacheRefreshMode 42 LogFileName 43 LogFileSize 43 LdapImplClassName 43 LdapImplClassString 44 InherentLogin 44 **DeploymentInstance 44** PCHLogging 45 AllowAnonymousUser 45

RPCLogging 45 ClientCodepage 45 GMTEnabled flag 46 ISLocale 47 IgnoreObjectBusyMsgInDocMigration 47 Configuring Weblogic-Specific Entities 47 Configuring Multiple IS Servers with ISRA 51

3. Configuring and Deploying ISRA Console and Sample Application 52

ISRA Console 52

Configuring Sample Application 52

Deploying the ISRA Console and Sample Application in a Standalone Environment 54

Deploying the ISRA Console and Sample Application in a Clustered Environment 62

Using the ISRA Console 71

Deploying IBM FileNet Image Viewer in a Standalone Environment 73

Deploying IBM FileNet Image Viewer in a Clustered Environment 81

IBM FileNet Image Viewer Quick Start Feature 90 Enabling Quick Start Feature 90 Known Issues in the Quick Start Feature 91

Testing Sample Application 92

4. LDAP Configuration 94

Mapping Existing LDAP Server Users to IS 94 Changing ISRA Specific Parameters for LDAP 96

5. Configuring Performance Statistics from ISRA 97

Configuring JMS Server 97 Configure a JMS Queue 99 Configure JMS Connection Factory 104 Configuring ISRA Parameters for Performance Statistics 107

6. Undeployment 108

Undeploying ISRA 108

Undeploying Sample Application 113 Undeploying IBM FileNet Image Viewer 113

7. Troubleshooting 114

Disabling NCH Broadcasts 114

Appendix A 115

ra.xml 115

Notices 119

Notices 119 COPYRIGHT LICENSE: 120 Trademarks 120

Index 123

About This Manual

This manual provides information about configuring Image Services Resource Adapter (ISRA) version 3.4.0 on BEA WebLogic 9.x platform. Refer the separate ISRA Installation Guide for Installing ISRA 3.4.0.

Conventions Used in the Document

<u>Conventions</u>	Description
Fixed Size font	Used for commands entered at the system command prompt.
Arial font	Used for important notes.
Bold	Occasionally used to refer to portions of user interface, such as the Next button or the Install button.

The table lists the formatting conventions used in this document.

Related References

For all ImageViewer parameters please refer to the FNImageViewer documentation provided with ISRA installation media.

<ISRA-home>\ISRA340\FNImageViewer\docs

For all P8 System Manager related information, please refer to P8 System Manager Documentation, provided with ISRA installation media.

<ISRA-home>\ISRA340\SystemManager\docs

Comments and Suggestions

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ISRA Deployment

This chapter describes the deployment of ISRA on BEA WebLogic 9.x platform.

Note The installation procedure for BEA WebLogic server 9.x is outside the scope of this document. This guide assumes that the required settings and configurations have already been made.

The ISRA module is a set of Java interfaces/classes that implements J2EE Connector Architecture specified contracts and the EIS specific functionality. ISRA plugs into BEA WebLogic 9.x Application Server in a modular manner.

Deployment Requirements

This section lists the minimum software and hardware requirements for successful deployment of ISRA on BEA WebLogic 9.x Application Server.

Caution Do not copy xml contents straight from the Deployment Guide. All the xml content related to the deployment of ISRA must be created manually or a valid existing file should be used.

Hardware Requirements

- For additional information on BEA WebLogic, visit <u>http://e-docs.bea.com/platform/suppconfigs/index.html.</u>
- ISRA installation will require approximately 120MB free disk space.

Software Requirements

- BEA WebLogic 9.x installed on Sun Solaris 9/10, Red Hat Linux AS 3.0/4.0, HPUX 11i Patch Bundle B.11.11, Microsoft Windows 2003 Server or AIX 5.2 SP2 / 5.3 SP3
- IBM FileNet IS 3.6 SP2 and above

Deploying ISRA in a Standalone Environment

ISRA is deployed using the WebLogic server administration console. There are two ways of deploying the Resource Adapter on WebLogic 9.x:

- Deploying ISRA.rar file
- Deploying exploded archive files

ISRA RA Descriptor (WebLogic specific)

To deploy a resource adapter to WebLogic Server, user must first create and configure WebLogic Server-specific deployment descriptor, **weblogic-ra.xml** file. The steps include:

- 1. Copy isra.rar to ISRATemp. Change directory to ISRATemp and run the command jar -xvf ISRA.rar. This command extracts the **ISRA.rar** file in the current directory.
- 2. Create **weblogic-ra.xml** file using a preferred text editor. The **weblogicra.xml** file should resemble this specimen:

```
<!DOCTYPE Weblogic-connection-factory-dd PUBLIC"-
//BEA Systems, Inc.//DTD WebLogic 8.1.0 Connector//EN"
"http://www.bea.com/servers/wls810/dtd/Weblogic810-ra.dtd">
<weblogic-connection-factory-dd>
<connection-factory-name>ISCF</connection-factory-</pre>
  name>
<jndi-name>ISCF</jndi-name>
<pool-params>
<initial-capacity>0</initial-capacity>
<max-capacity>1000</max-capacity>
<capacity-increment>1</capacity-increment>
<shrinking-enabled>true</shrinking-enabled>
<connection-profiling-enabled>false</connection-
  profiling-enabled>
<shrink-frequency-seconds>180000</shrink-frequency-</pre>
  seconds>
<inactive-connection-timeout-seconds>100000</inactive-</pre>
  connection-timeout-seconds>
<highest-num-waiters>2147483647</highest-num-waiters>
<highest-num-unavailable>0</highest-num-unavailable>
<connection-creation-retry-frequency-
  seconds>0</connection-creation-retry-frequency-
  seconds>
<connection-reserve-timeout-seconds>10</connection-
  reserve-timeout-seconds>
<test-frequency-seconds>0</test-frequency-seconds>
<match-connections-supported>true</match-connections-
  supported>
  </pool-params>
 </weblogic-connection-factory-dd>
```

Note Security-principal-map element is no longer supported. So, user needs to remove that from weblogic-ra.xml. It is suggested to set the inactive-connection-timeout-seconds value to greater than 0 (zero).

The values corresponding to all attributes can be modified as required and saved as **weblogic-ra.xml** in the META-INF subfolder:

3. Reconstruct the **ISRA.rar** file. Run the command jar -cvf ISRA.rar * from ISRATemp. This command creates **ISRA.rar** file with **weblogic-ra.xml** bundled into it.

Deploying ISRA.rar

To deploy the **ISRA.rar** file:

- 1. Start the WebLogic Server.
 - On Windows Server, to start WebLogic Administration Server navigate to:

Start > Programs > BEA Products -> User Projects > <a><domain_name> > Start Admin server for Weblogic Server Domain.

Alternatively, the Configuration Wizard scripts can also be used to start the Administration Server. When the Configuration Wizard is used to create a domain, the wizard also creates a script that can be used to start an Administration Server for the domain. To use the script, execute the **startWebLogic.cmd** file located at the following path:

```
<WebLogic Installation Directory>\
user_projects\domains\<domain_name>
```

On an UNIX system, login as the root user and execute the startWebLogic script, as:

```
# ./startWebLogic.sh
```

Note The screen shots shown in this guide have been taken on WebLogic Application Server 9.0.

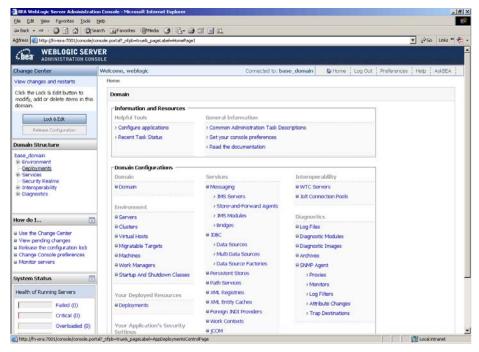
2. To open the administrative console, enter the following WebLogic admin console URL in a browser window:

http://<hostname>:<portnumber>/console

Depending on the WebLogic admin server setup, user may be prompted to enter the WebLogic admin user name and password.

A WebLogic Server Administration Console - Microsoft Internet Explorer Edit Yow Fgrontes Loois Help	_10
·····································	
ss 👔 http://invisra-7001/conscie/jogin/LoginForm. jsp;ADMINCONSOLESESSION=GrpNZ5v2q62)/td//gd9/nhdw/hrhD29pvGxGT7v2qhuDHHdT19PvvgT1+1013149939	💌 🖓 Go Links ** 👼
WEBLOGIC SERVER ADMINISTRATION CONDUCT Log in to work with the WebLogic Server domain Username: Password: Log in	
re	C Local intranet

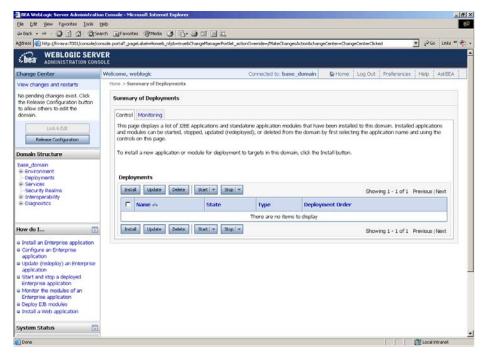
3. The WebLogic admin console sign on screen appears. Enter the WebLogic admin **Username** and **Password**. Click **Log In** to access the WebLogic admin console. The following screen appears:



4. Click Deployments. The Summary of Deployments screen appears:

Ele Edit Yew Favorites Tools	an Console - Microsoft Internet Expl Helo								- 6
4-Back • → • @ 3 @ 3 @ 5e		B							10
ddress a http://fm-isra:7001/console/co	onsole.portaP_pageLabel=Home8_rv/pb=t	trueBChangeManagerPortlet_act	ionOverride=/StopEdRActic	n8changeCent	er-ChangeCer	terClicked		• 260	Links * 👘
Ciea WEBLOGIC SERV									
Change Center	Welcome, weblogic		Connected to: base	_domain	W Home	Log Out Pr	eference	i Help	AskBEA
View changes and restarts	Home > Summary of Deployment	nts						100	
Click the Lock & Edit button to modify, add or delete items in this	Summary of Deployments								
domain.	Control Monitoring								
Release Configuration	This page displays a list of and modules can be started controls on this page.								
Domain Structure	To install a new application								
R: Environment - Deployments III: Services - Security Realms III: Intercoperability III: Diagnostics	Deployments	inte Start + Stop +	1			Showing	L - 1 of 1	Previous	Next
	E Name 👄	State	Туре	Deployr	ment Order				
	Actual Contraction of Contraction			the set of the					
			There are no items	to display					
How do I	Instal Update Deli	ster Start - Stop -		to display		Showing	1-1of1	Previous)	Next
How do I Install an Enterprise application Configure an Enterprise application	Tristal Update Dek	Rat + Rop +		to display		Showing	L - 1 of 1	Previous (Next
How do I	[Patal] Update Deb	inte Start V Stop V		to display		Showing	1 - 1 of 1	Previous (Next
tow do I a Install an Enterprise application a Configure an Enterprise application application application software application Enterprise application Enterprise application Enterprise application	Instal Update Deal	nto Stat - Stop -		to display		Showing	L • 1 of 1	Previous	Next
tow do 1 a Install an Enterprise application a Configure an Enterprise application a Update (indepiloy) an Enterprise application a Start and stop a depiloyed Enterprise application & Monitor the modules of an Enterprise application	Protal Update Con	nto Sat Sop •		to display		Showing	1 - 1 of 1	Previous	Next
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tow do I a Install an Enterprise application a Configure an Enterprise application application application software application Enterprise application Enterprise application Enterprise application	Protal Update Con	ete Rati = Rop =		to display		Showing .	1 • 1 of 1	Previous (Next

5. Click **Lock and Edit** button to make the console editable. The following screen appears:

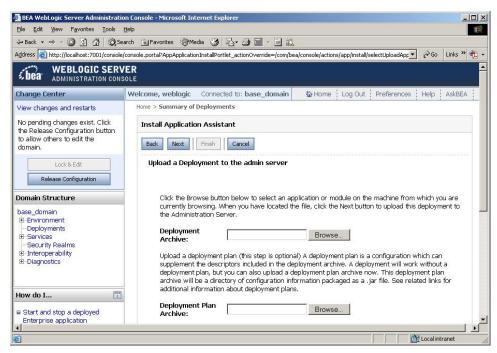


The **Release Configuration** button, along with the buttons under **Deployment** section is enabled.

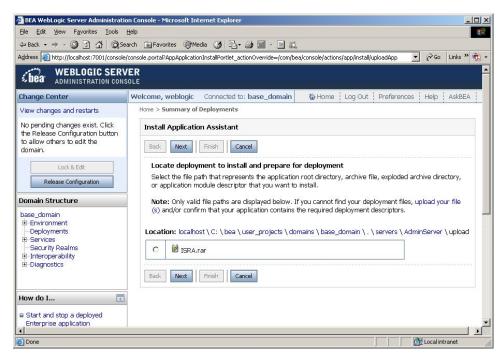
6. Under **Deployments** click **Install** button. The **Install Application Assistant** screen appears:

BEA WebLogic Server Administration	n Console – Microsoft Internet Explorer		
Ele Edit Yew Fgvorites Looks	php		
4+Back • ↔ • 🔘 🖸 🖽 🔘 50	arch 🕞 Favorites @Media 🥑 🔂 - 🥥 🖼 🗐 🗄	£1.	
Address a http://fn-isra:7001/console/co	nsole.portal?_nfpb=true8_pageLabel=AppApplicationInstallPa	9e	🝷 PiGo Links " 🐑 -
Chea WEBLOGIC SERV			
Change Center	Welcome, weblogic	Connected to: base_domain	De Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assistant Install Application Assistant Back Next Freeds Cancel Located the Dependent to Install and prepared to the State of		
Release Configuration	you want to install.	ication root directory, archive file, exploded	I archive directory, or application module descriptor that
Donain Structure base_domain III Environment III Opportunes IIII Service IIII Service IIII Service IIIII Service IIIII Service IIIII Service IIIII Service IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Note: Only valid file paths are displayed be application contains the required deployment Location: Intera C:A D:A D:A D:A D:A D:A		s, u <u>pload your file(s)</u> and/or confirm that your
How do I Start and stop a deployed Enterprise application Configure an Enterprise application Target an Enterprise application to a server Target the modules in an Enterprise application			
System Status 🗖			
Health of Running Servers			
a) javascript:nextAction("/com/bea/console			Local intranet

7. Click the upload your file(s) link. The following screen appears:



- Click Browse to select the ISRA.rar file. The ISRA.rar file is located in jar subdirectory of the ISRA installation directory. For example, if user has installed ISRA in C:\fnsw\ISRA (/fnsw/ISRA on UNIX), the ISRA.rar is located in C:\fnsw\ISRA\jar\ (/fnsw/ISRA/jar on UNIX) directory.
- 9. Click **Next** to upload the **ISRA.rar** file. The system may take some time to upload the file. The following screen appears:



10. Select the radio button corresponding to **ISRA.rar**, and click **Next**. The following screen appears:

ULA WebLogic Server Administratio	on Console - Microsoft Internet Explorer Help		<[8]_ (10)
	arch @Favorites @Media 3 5-3		
Address a http://fn-isra:7001/console/co	onsole.portal?AppApplicationInstalPortlet_actionOve	mide-/com/bea/console/actions/app/install/appSelected	• Pico Unis " 🏚 •
WEBLOGIC SERV			-
Change Center	Welcome, weblogic	Connected to: base_domain	Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments		
No pending changes exist. Click the Rélease Configuration button to allow others to edit the domain.	Install Application Assistant Back Next Finish Cancel	1	
Lock & Edit Release Configuration	Choose targeting style Targets are the servers, clusters, a	and virtual hosts on which this deployment will run. Th	here are several ways you can target an application.
Domain Structure	Install this deployment a	as an application	
base_domain Bi-Environment Deployments Bi-Security Realms Ri-Interoperability Bi-Diagnostics	C Install this deployment a Application libraries are deployn running their referencing applica	nents that are available for other deployments to shar	
How do I	Back Next Finish Cancel		
 Start and stop a deployed Enterprise application Configure an Enterprise application Create a deployment plan Create a deployment plan Target an Enterprise application to a conver Test the modules in an Enterprise application 			
System Status			
Health of Running Servers			
Done			Local intranet

11. Select the radio button corresponding to **Install this deployment as an application**, if not selected by default, and click **Next.** The following screen appears:

🚰 BEA WebLogic Server Administrati	on Console - Microsoft Internet Exp	lorer	<u>_ 0 </u> ×
Ele Edit Yew Favorites Loois			10
\$+Back • → • ② ③ ④ ⑤ ⑤			
Address E http://fn-isra:7001/console/co	onsole.portal?AppApplicationInstalPortlet	_actionOverride=/com/bea/console/actions/app/install/targetStyleSelected	💌 🖓 Go Unis " 🧙 -
Change Center	Welcome, weblogic	Connected to: base_domain	We Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployme	nts	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assista Back Next Finish	Cancel	
Lock & Lok Release Configuration	Optional Settings You can modify these set	tings or accept the defaults	
Domain Structure	General		
base_domain B-Environment Deployments B-Service Security Realms B-Interoperability H-Degnoction	What do you want to r Name: — Source accessibility	name this deployment? ISRA	
How do I		a files be made accessible?	
Start and stop a deployed Enterprise application Configure an Enterprise application	Recommended selecti		
Create a deployment plan Target an Enterprise application to a server		e files will be copied automatically to the managed servers to v	which the application is targeted.
Test the modules in an Enterprise application		leployment accessible from the following location	
System Status	Location:	D:\bea9.0\user_projects\domains\base_domain\server	314
Health of Running Servers	Provide the location fr	om where all targets will access this application's files. This is in this location and that each target can reach the location.	often a shared directory. You must ensure the
Failed (0)	Back Next Finish	Cancel	
(Done			Local intranet
e roue			

This screen displays the optional settings of the deployed file.

12. Retain the default settings, and click **Next**. The following screen appears:

DEA WebLogic Server Administrati File Edit Yiew Pavorites Tools		orer				
ble gdt yew Fgvorites Iools ⇔Back • ⇒ - ② 1] ② [2]Sa		사 사 더 더 가				
		actionOverride=/com/bea/console/actions/app/instal/saveIdentity	🔻 🖓 Go Links 🍟 👘			
LDCA ADMINISTRATION CON	A COMPANY OF A COMPANY OF A COMPANY	ter de la de alcide de alc				
Change Center	Welcome, weblogic	Connected to: base_domai	in & Home Log Out Preferences Help AskBEA			
View changes and restarts	Home > Summary of Deployment	nts				
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assista Back Next Fridh Review your choices and	Cancel				
Release Configuration	Click Finish to complete the complete the complete the configurate	e deployment. This may take a few moments to complete				
base_doman B Environment — Doployments B Services Security Realms Hinteroperability B Diagnostics	In order to work successfully, this application may require additional configuration. Do you want to review this application's configuration after completing this assistant? If ves, take me to the deployment's configuration screen. No, I will review the configuration later.					
How do I	Deployment:	D:\bea9.0\user_projects\domains\base_domain\se	ervers\AdminServer\upload\USRA.rar			
Enterprise application Configure an Enterprise application Create a deployment plan	Name: Staging mode:	ISRA Use the defaults defined by the chosen targets				
Target an Enterprise application to a server	Target Summary					
Test the modules in an Enterprise application	Modules 👄	Targets				
System Status 🛅	ISRA	AdminServer				
Health of Running Servers	Back Next Finish	Cancel				
a Parece (0)			Cocel intranet			

13. Retain the default settings, and click **Finish**. The following screen appears:

	arch 🔄 Favorites 🖗 Media 🎯 💁 :		
		sole.handles.AppDeploymentHandle%28%22com.	.bea%3AName%3DISRA%2CType%3DAppDeployment%22%29 💆 60 Links **
Cibea ADMINISTRATION CONS			
Change Center	Welcome, weblogic	Connected to: ba	ase_domain & Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments > ISR/	`	
Pending changes exist. They must be activated to take effect.	Settings for ISRA		
Activate Changes	Overview Configuration Se	ecurity Targets Control Testing Mor	nitoring Notes
Undo All Changes	Save		Constant Constant
Domain Structure	This man displays have a	nformation about this resource adapter de	the second se
base_domain I® Environment Deployments	This page displays cook.		padymone.
B-Services Security Realms	Name:	ISRA	The name of this application deployment. More Info
B-Interoperability B-Diagnostics	Source Path:	servers\AdminServer\upload\JSRA.rar	The path to the source of the deployable unit on the Administration Server. More Info
	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Administration
How do I			Server, More Info
 Install an Enterprise application Start and stop a resource adapter 	Staging Mode:	(not specified)	The mode that specifies whether an application's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation. More Info
System Status 🛅	Security Model:	DDOnly	The security model specifies how this deployment should be
Health of Running Servers			secured. More Info
Failed (0) Oritical (0)	4 Deployment Order:	100	A numerical value that indicates when this unit is deployed, relative to other DeployableUnits on a server, during startup. More Info
Overloaded (0) Warn (0)	Save		
CK (1)	13		

14. Click **Save**. The successful upload confirmation screen appears:

	arch 💽 Favorites @Media 🎯 🔂			
ddress 🚺 ionOverviewPage&ConnectorA	ApplicationOverviewPortlethandlecom.bea.com	sole.handles.AppDeploymentHandle%20%22com.	bea%3AName%3D15RA%2CType%3DAppDeployment%22%29	💌 🖓 Go Links »
Chea WEBLOGIC SERV				
Change Center	Welcome, weblogic	Connected to: ba	se_domain & Home Log Out Preferences	Help AckBEA
View changes and restarts	Home > Summary of Deployments > ISRA			
Pending changes exist. They must be activated to take effect.	Messages Settings updated successfully	1.		
Activate Changes Undo All Changes	Settings for ISRA			
Domain Structure	Overview Configuration Se	acurity Targets Control Testing Mor	itoring Notes	
buou_domain B-Environment Deployments B-Services Security Realms B-Intercept-ability B-Intercept-ability B-Diagnostics		nformation about this resource adapter de		
	Name:	ISRA	The name of this application deployment. More Info.	
low do I 📳	Source Path:	servers\AdminServer\upload\ISRA.rar	The path to the source of the deployable unit on the Administration Server. More ${\rm Info}_{\ast\ast\ast}$	
 Install an Enterprise application Start and stop a resource adapter 	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Admin Server. More Info	listration
System Status	Staging Mode:	(not specified)	The mode that specifies whether an application's file from a source on the Administration Server to the Ma Server's staging area during application preparation. Info	anaged
Failed (0) Critical (0)	Security Model:	DDOnly	The security model specifies how this deployment she secured. More Info	ould be
Overloaded (0) Warn (0)	🖉 Deployment Order:	100	A numerical value that indicates when this unit is dep relative to other DeployableUnits on a server, during a More Info	

The system returns to the same page with the message: '*Settings updated successfully*' displayed.

15. Click Activate Changes button. The following screen appears:

4-Back - → - 🙆 🖸 🖄 🖏 Se	arch 🗊 Favorites @Media 🧿 🔂+	9 I 9 X		
ddress 📳 http://fn-isra:7001/console/co	onsole.portal?_pageLabelHome&_nfpb-true&	ChangeManagerPortlet_actionOverride=/ActivateC	hangesActionBichangeCenter-ChangeCenterClicked	• 🖓 Go Links "
Chea WEBLOGIC SERV				
Change Center	Welcome, weblogic	Connected to: ba	ise_domain & Home Log Out Prefer	ences Help AskBEA
View changes and restarts	Home > Summary of Deployments > ISR	A		
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for ISRA			
Lock & Edit	Overview Configuration S	iecurity Targets Control Testing Mor	hitoring Notes	
Release Configuration	Click the Lock & Edit butto	in in the Change Center to modify the settin	ngs on this page.	
	This page displays basic	information about this resource adapter de	ployment.	
Domain Structure				
base_domain B: Environment —Deployments	Name:	ISRA	The name of this application deployment. More Info	
Services Socurity Realms Interoperability	Source Path:	servers\/\dminServer\upload\(SRA.rar	The path to the source of the deployable unit of Administration Server. More Info	in the
B-Diagnostics	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Server. More Info	Administration
How do I	Staging Mode:	(not specified)	The mode that specifies whether an application	n's files are copied
Install an Enterprise application Start and stop a resource adapter			from a source on the Administration Server to Server's staging area during application prepar Info	
System Status 📅	Security Model:	DDOnly	The security model specifies how this deploym secured. More Info	ient should be
Health of Running Servers	4 Deployment Order:	100	A numerical value that indicates when this unit relative to other DeployableUnits on a server, o	
Failed (0) Critical (0) Overloaded (0) Warn (0)	Click the Lock & Edit butto	in in the Change Center to modify the settle	More Info ngs on this page.	
OK (1)				

An overview of the deployments made is reflected. The **ISRA.rar** file is successfully deployed.

16. Click **Deployments**. The following screen appears:

BEA WebLogic Server Administratio	on Console - Microsoft Internet Explorer	
Eile Edit View Favorites Iools I	Help	
😓 Back 🔹 🤿 🐇 🙆 🖓 🖓 🖓 Sea	arch 🗟 Favorites 🎯 Media 🧭 📴 🗁 🗃 🔟 🗒 📖	
Address 💩 http://fn-isra:7001/console/co	onsole.portal?_nfpb=true8_pageLabel=AppDeploymentsControlPage	🝷 (ờ Go Links » 🐔
WEBLOGIC SERV		
Change Center	Welcome, weblogic Connected to: base_domain	Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments > ISRA > Summary of Deployments	
Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Deployments	
	Control Monitoring	
Lock & Edit Release Configuration	This page displays a list of J2EE Applications and standalone application modules that have bee and modules can be started, stopped, updated (redeployed), or deleted from the domain by fir controls on this page.	
Domain Structure base_domain	To install a new application or module for deployment to targets in this domain, click the Instal	ll button.
Environment Deployments Services	Deployments	
Security Realms E-Interoperability	Install Update Delete Start V Stop V	Showing 1 - 1 of 1 Previous Next
end of the second s		State Type Deployment Order
How do I		Prepared Resource 100
 Install an Enterprise application Configure an Enterprise application 	Install Update Delete Start V Stop V	Showing 1 - 1 of 1 Previous Next
Update (redeploy) an Enterprise application		
Start and stop a deployed Enterprise application		
Monitor the modules of an Enterprise application		
 Deploy E38 modules Install a Web application 		
System Status 💿		
Health of Running Servers		
http://fn-isra:7001/console/console.port	al?_nfpb=true&_pageLabel=AppDeploymentsControlPage#	Local intranet

A summary of deployments is reflected on the screen.

17. Select the check box corresponding to ISRA, and click Servicing all requests from the Start drop-down button. The Start Application Assistant screen appears:

BEA WebLogic Server Administration	on Console - Microsoft Internet Explorer			_ <u>5 ×</u>			
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4+Back → → √ ② ② Δ ③ ③ Search @ Fervorites ③Media ③ B_+ ④ ⊠ ⊠ ≜ 3,							
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Change Center	Welcome, weblogic	Connected to: base_domain	Home Log Out Preferences	Help AskBEA			
View changes and restarts	Home > Summary of Deployments > ISRA > Summary of I	eployments					
Click the Lock & Edit button to modify, add or delete items in this domain.	Start Application Assistant						
Lock & Edit	Yes No						
Release Configuration	Start Deployments You have selected the following deployments to	be started. Click 'Yes' to continue, or 'No	to cancel.				
Domain Structure	ISRA						
base_domain B_Environment D-Deployments B_Services Security Realms B_Interoperability B_Interoperability B_Dagnostics	Ves No						
How do I							
Configure an Enterprise application							
 Create a deployment plan Target an Enterprise application to a server 							
Test the modules in an Enterprise application							
Monitor the modules of an Enterprise application							
System Status							
Health of Running Servers							
Failed (0)				Local intranet			

18. Click **Yes** to start the deployment of the **ISRA.rar** file. The **Summary of Deployment** screen appears:

BEA WebLogic Server Administration	on Console - Microsoft Internet Explorer			<u>_ 8</u>
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Address 🗃 http://fn-isra:7001/console/co	onsole.portal?_nfpb=true&_pageLabel=AppDeploymentsControlPa	e		💌 🧬 Go 🛛 Links 🏾 📆
WEBLOGIC SERV ADMINISTRATION CONS				
Change Center	Welcome, weblogic	Connected to: base_domain	Home Log Out P	references Help AskBEA
View changes and restarts	Home > Summary of Deployments > ISRA > Summary of	eployments		
Click the Lock & Edit button to modify, add or delete items in this domain.	Messages	d Deployments.		
Lock & Edit Release Configuration	Summary of Deployments			
Domain Structure base_domain B=Environment Deployments B=Services I=Security Realims B=Intercoperability B=Diagnostics	This page displays a list of IZEE Applications and and modules can be started, stopped, updated (controls on this page. To install a new application or module for deploy Deployments	edeployed), or deleted from the domain	by first selecting the applica	
How do I	Install Update Delete Start - S	op 🖛	Showing	1 - 1 of 1 Previous Next
Install an Enterprise application	🗖 Name 🗠		State	Type Deployment Order
Configure an Enterprise application	D ØISRA		Active	Resource Adapter 100
 Update (redeploy) an Enterprise application Start and stop a deployed Enterprise application 	Install Update Delete Start V S	op 🛛 💌	Showing	1 - 1 of 1 Previous Next
Monitor the modules of an Enterprise application Deploy E38 modules Install a Web application System Status				
Health of Running Servers				
()				Local intranet

The **Status** of the deployed file changes to **Active**. The confirmation message: *'Start requests have been sent to the selected Deployments'* is displayed.

- 19. Deploying ISRA is completed.
- 20. Next step is to complete the Mandatory steps necessary for ISRA. Refer to <u>Mandatory Requirements for ISRA</u> section before restarting the Application Server.

Deploying Exploded Archive Files

To deploy the **ISRA.rar** file in **exploded** form:

- 1. Create a temporary directory ISRATemp and copy **ISRA.rar** into it. Change the directory to ISRATemp and execute command jar -xvf ISRA.rar
- 2. Create the **weblogic-ra.xml** file using any text editor.

The values corresponding to all attributes can be modified as required and saved as **weblogic-ra.xml** in the META-INF subfolder:

ISRATemp\ISRA.jar \META-INF\ra.xml \META-INF\weblogic-ra.xml

- 3. Start the WebLogic Server.
 - On Windows Server, to start WebLogic Administration Server, navigate to:

Start > Programs > BEA Products -> User Projects > <domain_name> > Start Admin server for Weblogic Server Domain.

Alternatively, the Configuration Wizard scripts can also be used to start the Administration Server. When the Configuration Wizard is used to create a domain, the wizard also creates a script that can be used to start an Administration Server for the domain. To use the script, execute the **startWebLogic.cmd** file located at the following path:

```
<WebLogic Installation Directory>\
user_projects\domains\<domain_name>
```

 On a UNIX/Linux system, login as the root user and execute the startWebLogic script, as:

```
# cd <WebLogic Installation Directory>/
user_projects/<domain_name>
# ./startWebLogic.sh
```

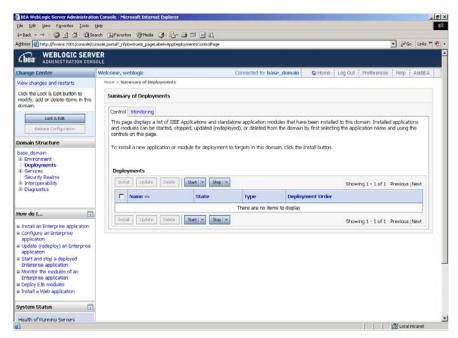
 To open the administrative console, enter the WebLogic admin console URL http://<hostname>:<portnumber>/console in a browser window.
 Depending on the WebLogic admin server setup, user may be prompted to

enter the WebLogic admin user name and password.

5. The WebLogic admin console sign on screen appears. Enter the WebLogic admin **Username** and **Password**. Click **Sign In** to access the WebLogic admin console. The following screen appears:

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Chea WEBLOGIC SERV						
Change Center	Welcome, weblogic	Connected to: ba	se_domain 🕼 Home Log Out I	Preferences Help AskBEA		
View changes and restarts	Home					
Click the Lock & Edit button to modify, add or delete items in this	Domain					
doman.	_Information and Resources		2			
Lock & Edit	Helpful Tools	General Information				
Release Configuration	Configure applications	Common Administration Task Descriptions				
Domain Structure	> Recent Task Status	> Set your console preferences				
base domain		Read the documentation				
E Environment	Domain Configurations					
# Services	Domain	Services	Interoperability			
Security Realms B Interoperability	e Domain	Messaging	# WTC Servers			
B-Diagnostics	information and a second second	> 3MS Servers	# Jolt Connection Pools			
	Environment	Store-and-Forward Agents				
How do I	@ Servers	> JMS Modules	Diagnostics			
a Use the Change Center	@ Clusters	> Bridges # XDBC	@Log Files			
View pending changes	# Virtual Hosts	Data Sources	Diagnostic Modules			
Release the configuration lock Grange Console preferences	Migratable Targets Machines	> Multi Data Sources	Diagnostic Images Archives			
W Monitor servers	Work Managers	> Data Source Factories	# SNMP Agent			
System Status	Startup And Shutdown Classes	Persistent Stores	> Proxies			
		Path Services	> Monitors			
Health of Running Servers	Your Deployed Resources	# XML Registries	> Log Filters			
Failed (0)	# Deployments	W XML Entity Caches	Attribute Changes			
Critical (0)		Foreign JNDL Providers Work Contexts	Trap Destinations			
Overloaded (0)	Your Application's Security Settings	# KOM				

6. Click **Deployments**. The following screen appears:



7. Click **Lock and Edit** button to make the console editable. The following screen appears:

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hange Center	Welcome, weblogic Connected to: base_domain & Home Log Out Preferences Help Asi/0EA
view changes and restarts	Home > Summary of Deployments
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Summary of Deployments Control Mentoring
Lock & Edit Release Configuration	This page displays a list of IZEE Applications and standalone application modules that have been installed to this domain. Installed applications and modules can be started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and using the controls on this page.
Domain Structure	To install a new application or module for deployment to targets in this domain, click the Install button.
base_domain	Deployments Total Update Stativ Story Showing 1 - 1 of 1 Previous Nost
Interoperability Diagnostics	T Name % State Type Deployment Order
	There are no items to display
łow do 1	Showing 1 - 1 of 1 Previous (Next
a Install an Enhance ine application configure an Enterprise application 4 Solate (redeploy) an Enterprise application 9 Sort and stop a deployed Enterprise application Monitor the modules of an Enterprise application a beploy EB modules a install a Web application	
System Status	
Done	Local Intranet

The **Release Configuration** button, along with the buttons under **Deployment** section is enabled.

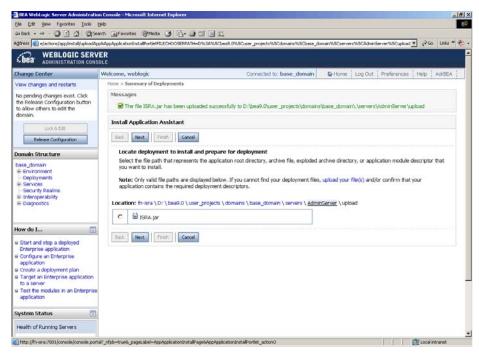
8. Under **Deployments** click **Install** button. The **Install Application Assistant** screen appears:

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Change Center	Welcome, weblogic	Connected to: base_domain	Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments		
No pending changes exist. Click the Release Configuration button	Install Application Assistant		
to allow others to edit the domain.	Rack. Next. Fronth Cancel		
Lock & Edit	Locate deployment to install and prepare	for deployment	
Release Configuration	Select the file path that represents the applicat you want to install.	ion root directory, archive file, exploded	archive directory, or application module descriptor that
Domain Structure	Note: Only valid file paths are displayed below application contains the required deployment di		, upload your file(s) and/or confirm that your
base_domain B: Environment —Deployments B: Services B: Services B: Interceptrability B: Diagnostics	Location: fn-isra		
How do I	Back Next Finish Cancel		
Start and step a deployed Enterprise application Configure an Enterprise application B Create a deployment plan Target an Enterprise application to a service			
Test the modules in an Enterprise application			
System Status 📅			
Health of Running Servers			
isvascript nextAction("icom/bea/console	terminant from the statistical states at the set		C Local attranet

9. Click the upload your file(s) link. The following screen appears:

File Edit View Favorites Tools	Help
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Address 🕘 http://localhost:7001/console	(console.portal?AppApplicationInstallPortlet_actionOverride=/com/bea/console/actions/app/install/selectUploadApp 🛛 💽 🔗 Go 🛛 Links 🏻 👰
bea WEBLOGIC SERV	
Change Center	Welcome, weblogic Connected to: base_domain Image: Connected to: base_domain
View changes and restarts	Home > Summary of Deployments > ISRA > Summary of Deployments > ISRA > ISCF > Summary of Deployments
Pending changes exist. They must be activated to take effect.	Install Application Assistant
Activate Changes	Back Next Frish Cancel Upload a Deployment to the admin server
Ondo Air Changes	opidad a Deployment to the administerver
Domain Structure	
Base_domain Environment Deployments Security Realms Interoperability	Click the Browse button below to select an application or module on the machine from which you are currently browsing. When you have located the file, click the Next button to upload this deployment to the Administration Server. Deployment Browse Archive: Upload a deployment plan (this step is optional) A deployment plan is a configuration which can supplement
base_domain ⊕ Environment — Deployments ⊕ Services ← Services ⊕ Interoperability ⊕ Diagnostics	currently browsing. When you have located the file, click the Next button to upload this deployment to the Administration Server.
base_domain ⊕ Environment → Deployments ⊕ Services → Security Realms ⊕ Interoperability ⊕ Diagnostics	Currently browsing. When you have located the file, click the Next button to upload this deployment to the Administration Server. Deployment Archive: Upload a deployment plan (this step is optional) A deployment vill work without a deployment plan, but you can also upload a deployment plan archive now. This deployment plan archive will be a directory of

- 10. Click **Browse** to select the **ISRA.jar** file.
- 11. Click **Next** to upload the **ISRA.jar** file. The system may take some time to upload the file. The following screen appears:

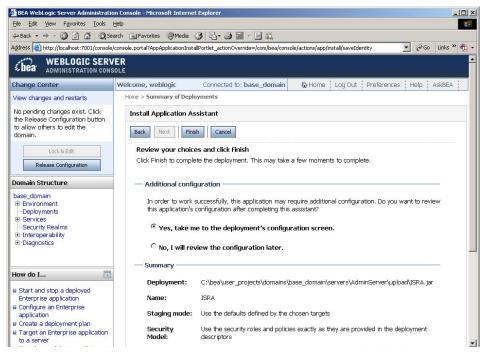


12. Select the radio button corresponding to **ISRA.jar**, and click **Next**. The following screen appears:

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dress in http://invisra:7001/console	console.portal?AppApplicationInstalPortlet	d_actionOverride=/com/bea/console/actions/app/instal/targetStyleSelected		💌 🖓 Go Links ** 👘 🔹
Change Center	Welcome, weblogic	Connected to: base_domain	A Home Log Out Preferences	Help AskBEA
View changes and restarts	Home > Summary of Deployme	ents		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assist Back Next Frish	tant Cancel		
Lock & Edit	Optional Settings			
Release Configuration	You can modify these set	ttings or accept the defaults		
Domain Structure	- General			
base_domain ⊕ Environment → Deployments ⊕ Services → Security Realms	What do you want to Name:	name this deployment?		
 Interoperability Diagnostics 	Source accessibility How should the source	e files be made accessible?		
tow do 1	C Use the default	ts defined by the deployment's targets		
E Start and stop a deployed Enterprise application	Recommended selection	tion.		
Configure an Enterprise application	C Copy this applic	cation onto every target for me		
Create a deployment plan Target an Enterprise application	During deployment, th	he files will be copied automatically to the managed servers to wh	ich the application is targeted.	
to a server Test the modules in an Enterpris application	C I will make the d	deployment accessible from the following location		
appreador	Location:	D.\bea9.0\user_projects\domains\base_domain\servers	A	
System Status	Provide the location fr	rom where all targets will access this application's files. This is of in this location and that each target can reach the location.	ten a shared directory. You must ensur	re the -
Health of Running Servers Failed (0)	Back Next Finish	Cancel		

This screen displays the optional settings of the deployed file.

13. Retain the default settings, and click Next. The following screen appears:



14. Retain the default settings, and click **Finish**. The following screen appears:

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Address 🥘 http://fn-isra:7001/console/co	onsole.portal?_nfpb=true&_pageLabe	el=LibraryOverviewPage&LibraryOverviewPortlet	handle=com.bea.console 🗾	🔗 Go Links » 📆
WEBLOGIC SERV ADMINISTRATION CONS				
Change Center	Welcome, weblogic Conr	nected to: base_domain 🛛 🙆 Home	Log Out Preferences	Help AskBEA
View changes and restarts	Home > Summary of Deployment	nts > ISRA		
Pending changes exist. They must be activated to take effect.	Settings for ISRA			
Activate Changes Undo All Changes	Overview Targets No Save	otes		
Domain Structure				
base_domain B-Environment —Deployments B-Services	library, such as its nam	and sometimes change, general configura e, path to the source of the application, a ald to change the order that the library is	nd staging mode. Use the	э 👘
Security Realms Interoperability ID-Diagnostics	Name:	ISRA	The name of this J2EE li Info	brary. M <mark>ore</mark>
How do I 💿	Path:	servers\AdminServer\upload\ISRA.jar	The path to the source (unit on the Administration Info	
Install a J2EE library	Staging Mode:	(not specified)	The mode that specifies application's files are co	
Target a J2EE library to a server	de la della dell			pieu irom a

15. Click **Save**. The successful upload confirmation screen appears:

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Change Center	Welcome, weblogi	с	Conr	nected to:	base_do	main	🟠 Home	Log Out	Preferenc	tes Help	AskBEA
View changes and restarts	Home > Summary of	Deployments $> I$	SRA								
Pending changes exist. They must be activated to take effect. Activate Changes Undo All Changes	Messages	pdated success	fully.								
Domain Structure	Overview	Configuration	Security	Targets	Control	Testing	Monitoring	Notes			
base_domain B-Environment -Deployments B-Services -Security Realms B-Interoperability B-Diagnostics	Save This pa	ge displays bas	ic informat	tion about	this resou	rce adaptx	er deploymer	nt.			
Li prograduco	Nami	ə:	ISRA			The nam	e of this app	lication de	eployment. N	Aore Info	
How do I	Sour	ce Path:	C:\test\	ISRA			to the sourc ration Server			nit on the	
 Install an Enterprise application Start and stop a resource adapter 	Deployment Plan:		(no plar			The path to the deployment plan document on Administration Server, More Info					
System Status	Stag	ing Mode:	(not spe	ecified)		copied fr Managed		on the Ad iging area	Iministration	ation's files are n Server to the lication	
Failed (0)	Secu	rity Model:	DDOnly				rity model sp ed. More Info		ow this deple	oyment should	1

The system returns to the same page with the message: 'Settings updated successfully' displayed.

16. Click Activate Changes button. The following screen appears:

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Address 🕘 http://fn-isra:7001/console/co	nsole.portal?_pageLabel=Home&_nfpb=true	&ChangeManagerPortlet_a	ctionOverride=/Ac	tivateChangesA	ction&changeCente	ar=ChangeCenterC] ∂Go Link
bea WEBLOGIC SERV							
Change Center	Welcome, weblogic	Connected to: bas	se_domain	🟠 Home	Log Out Pref	erences Help	AskBEA
View changes and restarts	Home > Summary of Deployments > IS	FRA					
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for ISRA						
	Overview Configuration	Security Targets C	ontrol Testing	Monitoring	Notes		
Lock & Edit	Click the Lock & Edit but	tton in the Change Cent	er to modify the	e settinas on t	his page.		
Release Configuration	This page displays basi			-			
Domain Structure							
base_domain B-Environment Deployments	Name:	ISRA	The nar	ne of this app	lication deploym	ent. More Info	1017
Services Security Realms Interoperability	Source Path:	C:\test\ISRA		The path to the source of the deployable unit on the Administration Server. More Info			
⊞-Diagnostics	Deployment Plan:	(no plan specified)		The path to the deployment plan document on Administration Server. More Info			
low do I 💿	Staging Mode:	(not specified) The I		The mode that specifies whether an application's files are			
 Install an Enterprise application Start and stop a resource adapter 				copied from a source on the Administration Server to the Managed Server's staging area during application preparation. More Info			18
System Status	Security Model:	DDOnly		urity model sp red. More Inf c		deployment shou	ld
Health of Running Servers	4 Deployment Order:	100	deploye			n this unit is eUnits on a server,	

An overview of the deployments made is reflected. The **ISRA.jar** file is successfully deployed.

17. Create a new directory META-INF in the **<WebLogic Installation Directory >\user_projects\domains\<domain-name> \servers\<server-name>\ upload** directory and copy **ra.xml** and **weblogic-ra.xml** into it. On Windows Server, enter the command:

copy C:\ISRATemp\META-INF <WebLogic
Installation Directory>\user_projects\<domainname>\<server-name>\upload\META-INF

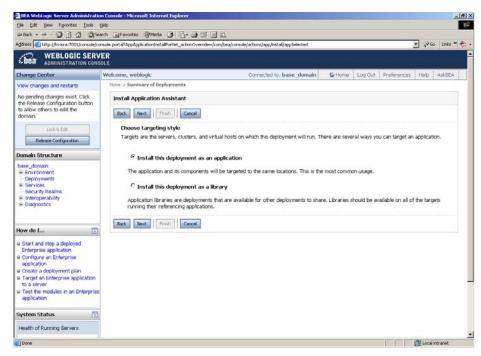
On a UNIX machine, enter the command:

cp / ISRATemp /META-INF <WebLogic Installation Directory>/user_projects/<domain-name>/<servername>/upload/META-INF

- 18. Click **Deployments** and then **Install** button.
- 19. Navigate to AdminServer /upload directory (Deployments -> Install). The following screen appears:

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	NAME OF TAXABLE PARTY OF TAXABLE PARTY.	vtietFILECHOOSERPATH=1D:1bea9.01user_projects)domains/base_domainIpervers1AdminServer1 🗾 🕫 Go 🛛 Links 🦉 🤯
Chea WEBLOGIC SER		
hange Center	Welcome, weblogic	Connected to: base_domain
/iew changes and restarts	Home > Summary of Deployments	
Vo pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Messages The file ISRA jar has been uploaded succe	ssfully to D:\beat.oluser_projects\domains\base_domain\\servers\vdminGerver\uplcad
Lock & Edt	Install Application Assistant	
Release Configuration	Back Next Fridh Cancel	
Iomain Structure	Locate deployment to install and prepa	re for deployment
	you want to install.	
Deployments Services Security Realms Interoperability	Note: Only valid file paths are displayed bell application contains the required deployment	w. If you cannot find your deployment files, upload your file(s) and/or confirm that your descriptors.
- Deployments 8: Sornices - Security Realms 9: Interoperability 8: Otagnostics	Note: Only valid file paths are displayed bei application contains the required deployment Location: theira \D: \bea0.0 \user_projects	descriptors.
Deployments Services Security Realms Interoperability Oragnostics	Note: Only valid file paths are displayed bei application contains the required deployment Location: theira \D: \bea0.0 \user_projects	descriptors.
Depipments Structos Scruty Realms Scruty Realms Interoperability il Diagnotics two do I Start and stop a deployed Enterprise application	Note: Only valid file paths are displayed bel application contains the required displayment Location: th irra \D: \bas0.0 \user_projects data bgs tmp	descriptors.
Historius Sorvices Security Realms Historgerability Holagnostics	Note: Only valid file paths are displayed bet application contains the required displayment Location: finiara \D: \bea0.0 \user_projects data bgs c @ dgpbad feet freith Content feet freith Content	descriptors.
Deployments Services Services	Note: Only valid file paths are displayed bel application contains the required deployment Location: fir-tira \0: \ba90.\user_projects data bgs trip c @ upbod field filest [Prein] Concel	descriptors.

20. Select the radio button corresponding to **upload**, and click **Next**. The following screen appears:



21. Select the radio button corresponding to **Install this deployment as an application**, if not selected by default, and click **Next.** The following screen appears:

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Chear WEBLOGIC SERV						
Change Center	Welcome, weblogic	Co	nnected to: base_domain	Home U	og Out Preference:	Help AskBEA
View changes and restarts	Home > Summary of Deployments					Anne Anne Anne Anne Anne Anne Anne Anne
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assistant Dack Next Frish Ca	ncel				
Lock & Edit Release Configuration	Optional Settings You can modify these settings	or accept the defaults				
Domain Structure	General					
base_domain Environment —Deployments E.Services	What do you want to name	this deployment?				
-Security Realms B-Interoperability Diagnostics	- Security	Logran .				
	What security model do you	u want to use with this applic	ation?			
How do I	Use the security role	es and policies exactly as	they are provided in the o	deployment des	criptors	
 Start and stop a deployed Enterprise application 	C Customize the secur	ity roles used by policies	provided in the deployme	nt descriptors l	ater	
Configure an Enterprise application Greate a deployment plan	C Use custom roles an	d policies other than tho	e in the descriptors			
Target an Enterprise application to a server	C Use security realm c	onfiguration (advanced o	ption)			
Test the modules in an Enterprise application	Source accessionity					
System Status	How should the source files					
Health of Running Servers	Ose the defaults def Recommended selection.	ined by the deployment's	targets			
Done	Kernmended selection.					Local intranet

This screen displays the optional settings of the deployed file.

22. Retain the default settings, and click Next. The following screen appears:

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didress a) http://fn-isra:7001/console/	console.portal?AppApplicationInstaliPortlet_a	actionOverride=/com/bea/console/actions/app/ins	tal/saveIdentky	🔹 🖓 Go Links 🏁 🧞
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Change Center	Welcome, weblogic	Connected to	: base_domain 🕼 Home Log Out	Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployment	łs		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assistan	Cencel		
Lock & Ede	Review your choices an	nd click Finish		
Release Configuration	Click Finish to complete the	e deployment. This may take a few mome	nts to complete.	
omain Structure	Additional configuration	on		
base_domain B Environment Deployments B Services Services - Security Realms B Interoperability - Diagnostics	after completing this as: Yes, take me to t		nal configuration. Do you want to review this a n.	plication's configuration
How do I For a deployed Enterprise application	Summary Deployment: Name:	D:\bea9.0\user_projects\domains\} upload	usse_domain\servers\AdminServer/upiload	
Configure an Enterprise application	Staging mode:	Use the defaults defined by the cho	sen targets	
 Croate a deployment plan Target an Enterprise application to a server 	Security Model:	Use the security roles and policies e	exactly as they are provided in the deployment	descriptors
Test the modules in an Enterpris application	Target Summary			
system Status	Modules 🚓		Targets	
Health of Running Servers	upload		AdminServer	

This screen displays the target server on which the Connector module should be deployed.

23. Retain the default settings, and click **Finish**. The following screen appears:

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Chea WEBLOGIC SERV					
Change Center	Welcome, weblogic	Connect	ed to: base_domain	We Home Log Out Preferences Help	AskBEA
View changes and restarts	Home > Summary of Deployments > uplo	ad			
Pending changes exist. They must be activated to take effect.	Settings for upload				
Activate Changes	Overview Configuration Si	ecurity Targets Control Test	ang Monitoring Notes		
Undo All Changes	Save				
Domain Structure	This page displays basic in	nformation about this resource a	dapter deployment.		
base_domain + Environment - Deployments + Services	Name:	upload	The name of this applic	ation deployment. M ore Info	
Security Realms E-Interoperability E-Diagnostics	Source Path:	servers\AdminServer\upload	The path to the source of Server, More Info	of the deployable unit on the Administration	
How do I	Deployment Plan:	(no plan specified)	The path to the deployn More Info	nent plan document on Administration Server.	
Install an Enterprise application Start and stop a resource adapter	Staging Mode:	(not specified)		whether an application's files are copied from a ation Server to the Managed Server's staging area aration. More Info	a)
System Status 🔲	Security Model:	DDOnly	The security model spec More Info	ifies how this deployment should be secured.	
Health of Running Servers	4 Deployment Order:	100		ndicates when this unit is deployed, relative to	
Failed (0) Critical (0) Overloaded (0)	Save		other DeployableUnits o	n a server, during startup. More Info	
Warn (0) OK (1)					

24. Click Save. The successful upload confirmation screen appears:

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Chea WEBLOGIC SERV			
Change Center	Welcome, weblogic	Connect	ted to: base_domain
View changes and restarts	Home > Summary of Deployments > up	load	
Pending changes exist. They must be activated to take effect.	Messages	ally.	
Undo All Changes	Settings for upload		
Domain Structure	Overview Configuration	Security Targets Control Test	ting Monitoring Notes
base_domain B Environment - Deployments C Services - Security Realms B Interoperability B Obsproatics	Save This page displays basi	: information about this resource a	dapter deployment.
in diagnostics	Name:	upload	The name of this application deployment. More Info
How do I	Source Path:	servers\AdminServer\upload	The path to the source of the deployable unit on the Administration Server. More Info
Install an Enterprise application Start and stop a resource adapter	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Administration Server. More Info
System Status 🛅	Staging Mode:	(not specified)	The mode that specifies whether an application's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation. More Info
Health of Running Servers	Security Model:	DDOnly	The security model specifies how this deployment should be secured.
Failed (0)		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	More Info
Critical (0) Overloaded (0)	🦉 Deployment Order:	100	A numerical value that indicates when this unit is deployed, relative to other DeployableUhits on a server, during startup. More Info
Warn (0) OK (1)	Save		

The system returns to the same page with the message: 'Settings updated successfully' displayed.

25. Click Activate Changes button. The following screen appears:

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Address a http://fin-isra:7001/console/co	nsole.portaP_pageLabel=Home&_n/pb=true&/	ChangeManagerPortlet_actionOverride	=/ActivateChangesAction8cha	ingeCenter=ChangeCenterClicked	💌 🖓 Go Links ** 👘
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Change Center	Welcome, weblogic	Connec	ted to: base_domain	Home Log Out Preferences	Help AskBEA
view changes and restarts	Home > Summary of Deployments > uplo	bad			
Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for upload				
domain. Overview Configuration Security Targets Control Testing Monitoring Notes					
Release Configuration	Non-Contraction of the owner owner owner owner owner owner	in in the Change Center to modify		9.	
Domain Structure	This page displays basic	information about this resource a	idapter deployment.		
base domain					
Environment Deployments	Name:	upload	The name of this application deployment. More Info		
Services Security Realms Interoperability Diagnostics	Source Path:	servers\AdminServer\upload	Applaid The path to the source of the deployable unit on the Administration Server. More Info		
a biagrostics	Deployment Plan:	(no plan specified)	The path to the deployn More Info	nent plan document on Administration	Server.
How do I	Staging Mode:	(not specified)	The mode that specifies whether an application's files are copied from a source on the Administration Server to the Managed Server's staging area		
a Start and stop a resource			during application prepa	aration. More Into	
adapter	Security Model:	DDOnly	The security model spectrum More Info	cifies how this deployment should be s	ecured.
System Status	🐠 Deployment Order:	100		ndicates when this unit is deployed, re n a server, during startup. More Info.	
Failed (0) Critical (0)	Click the Lock & Edit butto	in in the Change Center to modify	y the settings on this page	9.	
Overloaded (0) Warn (0)					
OK (1)					

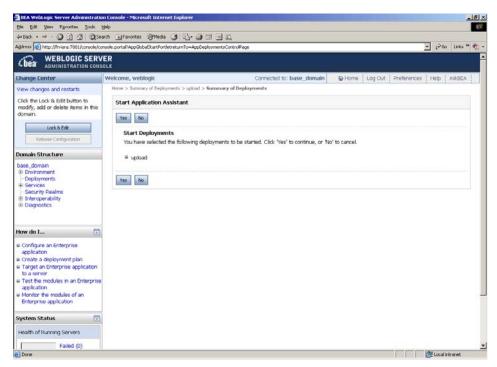
An overview of the deployments made is reflected. ISRA is successfully deployed in exploded format.

26. Click **Deployments**. The following screen appears:

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Chea WEBLOGIC SERV			
Change Center	Welcome, weblogic Connected to: base_domain	A Home Log Out P	references Help AskBEA
View changes and restarts	Home > Summary of Deployments > upload > Summary of Deployments		
Click the Lock & Edit button to modify, add or delete items in this	Summary of Deployments		
domain,	Control Monitoring		
Lock & Edit	This page displays a list of J2EE Applications and standalone application modules that have and modules can be started, stopped, updated (redeployed), or deleted from the domain		
	controls on this page.	-,,,	
Domain Structure	To install a new application or module for deployment to targets in this domain, click the t	Install button.	
base_domain Environment			
Deployments			
 Services Security Realms 	Deployments		
Interoperability	Install Update Delete Start - Stop -	Showing	1 - 1 of 1 Previous Next
B-Diagnostics	Name Servicing all requests Servicing only administration requests	State	Type Deployment Order
How do 1	edupload 역	Prepared	Resource Adapter 100
Install an Enterprise application Configure an Enterprise application	Install Update Delete Stop -	Showing	1-1 of 1 Previous Next
Update (redeploy) an Enterprise application			
Start and stop a deployed Enterprise application			
Monitor the modules of an			
Enterprise application			
a Deploy E38 modules			
Enterprise application # Doploy E18 modules # Install a Web application System Status			

A summary of deployments is reflected on the screen.

27. Select the check box corresponding to **upload**, and click **Servicing all requests** from the **Start** drop-down button. The **Start Application Assistant** screen appears:



28. Click **Yes** to start the deployment of upload file. The Summary of Deployments screen appears:

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WEBLOGIC SERV					
hange Center	Welcome, weblogic	Connected to: base_domain	Home Log Out F	references	Help AskBEA
iew changes and restarts	Home > Summary of Deployments > upload > Summary of	Deployments			
lick the Lock & Edit button to nodify, add or delete items in this omain.	Messages	d Deployments.			
Lock & Edt Release Configuration	Summary of Deployments				
main Structure	Control Monitoring				
ase_domain 8 Environment Deployments 8 Services	This page displays a list of J2EE Applications and and modules can be started, stopped, updated (r controls on this page. To install a new application or module for deploy	redeployed), or deleted from the domain t	by first selecting the applica		
Environment Deployments	and modules can be started, stoppid, updated (controls on this page. To install a new application or module for deploy Deployments	redeployed), or deleted from the domain t	by first selecting the applicanstall button.	ition name ar	nd using the
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Environment Deployments Services Security Realms Interoperability Diagnostics w do L Initial an Enterprise application Configure an Enterprise application	and moduler car be started, stoppid, updated (controls on this page. To install a new application or module for deploy Deployments [Instal] Ubdate Delete Start * St	redeployed), or deleted from the domain t	by first selecting the applicanstall button.	1 - 1 of 1 F	Previous (Next
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Environment Deployments Services Security Realms Interoperability Obignostics	and moduler can be started, stoppid, updated (controls on this page. To install a new application or module for deploy Deployments To find Ubdate Delete Start Control (Name & Start table by Kame	redeployod), oʻr deleted from the domain t ment to targets in this domain, clici: the b too w	py first selecting the application shall button. Showing State Active	1-1of1 F Resource Adapter	Previous Next Deployment Order 100

The **Status** of the deployed file changes to **Active**. The confirmation message: *'Start requests have been sent to the selected Deployments'* is displayed.

Deploying ISRA in a Clustered Environment

To deploy the **ISRA.rar** file:

Note	The weblogic-ra.xml deployment descriptor elements and
	Connector Descriptor attributes (ra.xml) of the Resource Adapter
	can be manually edited through WebLogic 9.x console.

- 1. Start the WebLogic Server.
 - On Windows Server, to start WebLogic Administration Server, navigate to:

Start > Programs > BEA Products -> User Projects > <domain_name> > Start Admin server for Weblogic Server Domain

Alternatively, the Configuration Wizard scripts can also be used to start the Administration Server. When the Configuration Wizard is used to create a domain, the wizard also creates a script that can be used to start an Administration Server for the domain. To use the script, execute the **startWebLogic.cmd** file located at the following path:

<WebLogic Installation Directory>\ user_projects\domains\<domain_name>

 On an UNIX system, login as the root user and execute the startWebLogic script, as:

cd <WebLogic Installation Directory>/
user_projects/domains/<domain_name>

./startWebLogic.sh

2. To open the administrative console, enter the following WebLogic admin console URL in a browser window: http://<hostname>:<portnumber>/console

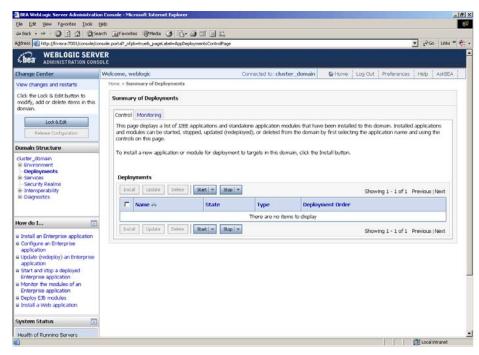
Depending on the WebLogic admin server setup, user may be prompted to enter the WebLogic admin user name and password.

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WEBLOOIC SERVER Log in to work with the WebLogic Server domain Username: Password:		- Ara 1994 B -
	WEBLOGIC SERVER Log in to work with the WebLogic Server domain Username: Password:	<u></u> (2 ² G) Links [™] (²)

3. The WebLogic admin console sign on screen appears. Enter the WebLogic admin **Username** and **Password**. Click **Log In** to access the WebLogic admin console. The following screen appears:

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Change Center	Welcome, weblogic	Connected to: clust	ter_domain	Home Log Out	Preferences Help AskBEA
View changes and restarts	Home				
Click the Lock & Edit button to modify, add or delete items in this	Domain				
domain. Lock & Edit Release Configuration	Information and Resources	General Information Common Administration Task De Set your console preferences Read the documentation	scriptions		
Luster_domain © Environment I <u>Deployments</u> © Services = Security Realms = Interoperability = Diagnostics	Domain Configurations Domain #Domain Environment	Services # Messaging > 3MS Servers > Store-and-Forward Agents	Interoper # WTC Ser # Jolt Com		
tow do I Use the Change Center View pending changes Release the configuration lock Change Console prefirences Monitor servers	# Servers # Clusters # Virtual Hosts # Migratable Targets # Machines # Work Managers	MS Modules Schildges DOC Data Sources Multi Data Sources Data Sources Data Source Factories	Diagnosti 9 Log Filos 9 Diagnost 9 Diagnost 9 Archives 9 SNMP Ag	ic Modules ic Images	
System Status	Startup And Shutdown Classes	Persistent Stores Path Services	> Prox		
Health of Running Servers Failed (0) Critical (0)	Vour Deployed Resources Poployments	# XML Registries # XML Entity Caches # Foreign INDI Providers # Work Contexts	> Log i > Attri		
Overloaded (0)	Your Application's Security Settings	# KOM			

4. Click **Deployments**. The following screen appears:



5. Click **Lock and Edit** button to make the console editable. The following screen appears.

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Cibea WEBLOGIC SERV	/ER						
Change Center	Welcome, weblogic		Connected to: clus	ter_domain	& Home : Lo	og Out : Preference	n Help AskBEA
View changes and restarts	Home > Summary of Deployments					-	
No pending changes exist. Click the Release Configuration button	Summary of Deployments						
to allow others to edit the domain.	Control Monitoring						
Lock & Edt Release Configuration	This page displays a list of 32B and modules can be started, st controls on this page.						
Domain Structure	To install a new application or	module for deployment	to targets in this do	main, click the B	nstall button.		
cluster_domain @ Environment Deployments @ Services -Security Realms	Deployments Instal Update Delete	Start = Stop =	1			Showing 1 - 1 of 1	Previous (Next
Interoperability Diagnostics	E Nome A	State	Туре	Deploy	ment Order		
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How do I 🛅	Install Update Delete	Start = Stop =	1			Showing 1 - 1 of 1	Previous Next
Install an Enterprise application Configure an Enterprise application uplication uplication start and stop a deployed Enterprise application Wonitor the modules of an Enterprise application Deploy ED modules Install a Web application							
System Status 💿							
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The **Release Configuration** button, along with the buttons under **Deployment** section is enabled.

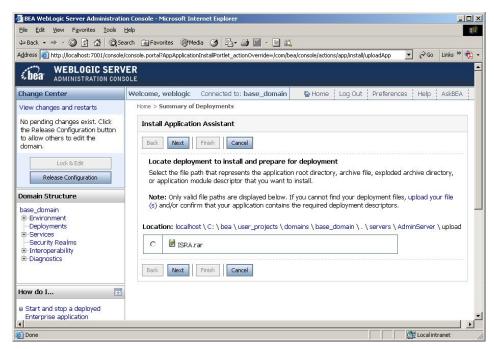
6. Under **Deployments** click **Install** button. The **Install Application Assistant** screen appears:

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	archevolutions		💌 🖓 Go Links " 📆
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Chea WEBLOGIC SERV			
Change Center	Welcome, weblogic	Connected to: cluster_domain	Withome Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assistant Back Next Frish Cancel		
Lock & Edt	Locate deployment to install and Select the file path that represents the		archive directory, or application module descriptor that
Release Configuration	you want to install.		
Domain Structure	Note: Only valid file paths are display application contains the required depl	ed below. If you cannot find your deployment files,	. upload your file(s) and/or confirm that your
cluster_domain P Environment - Deployments P Services - Security Realms P Interoperability E Diagnostics	Location: fn-isra		
How do I 🛅	Back Next Finish Cencel		
 Start and stop a deployed Enterprise application Configure an Enterprise application Croate a deployment plan Croate a deployment plan Target an Enterprise application to a server Test the modules in an Enterprise application 			
System Status 📃			
Health of Running Servers			
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7. Click the upload your file(s) link. The following screen appears:

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<u>Eile E</u> dit <u>V</u> iew F <u>a</u> vorites <u>T</u> ools	Help
🗘 Back 🔹 🤿 🖌 🎯 🛃 🖓 🤅	Search 🔝 Favorites 🛞 Media 🧭 🔂 - 🎒 📶 - 📑 📖
Address 🙋 http://localhost:7001/consc	le/console.portal?AppApplicationInstallPortlet_actionOverride=/com/bea/console/actions/app/install/selectUploadApp 🗾 🔗 Go Links » 🧞
WEBLOGIC SER	VFR
Shea ADMINISTRATION CO	
Change Center	Welcome, weblogic Connected to: base_domain & Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments > ISRA > Summary of Deployments > ISRA > ISCF > Summary of Deployments
Pending changes exist. They must be activated to take effect.	Install Application Assistant
Activate Changes	Back Next Finish Cancel
Undo All Changes	Upload a Deployment to the admin server
Domain Structure	
base_domain ⊕-Environment —Deployments ⊕-Services	Click the Browse button below to select an application or module on the machine from which you are currently browsing. When you have located the file, click the Next button to upload this deployment to the Administration Server.
Security Realms Interoperability	Deployment Browse
How do I	Upload a deployment plan (this step is optional) A deployment plan is a configuration which can supplement the descriptors included in the deployment archive. A deployment will work without a deployment plan, but you can also upload a deployment plan archive now. This deployment plan archive will be a directory of
-	configuration information packaged as a .jar file. See related links for additional information about deployment plans.
Start and stop a deployed	
 Start and stop a deployed Enterprise application Configure an Enterprise application 	Deployment Plan Browse

- 8. Click **Browse** to select the **ISRA.rar** file. The **ISRA.rar** file is located in **jar** subdirectory of the ISRA installation directory. For example, if user has installed ISRA in C:\fnsw\ISRA (/fnsw/ISRA on UNIX), the **ISRA.rar** is located in C:\fnsw\ISRA\jar\ (/fnsw/ISRA/jar on UNIX) directory.
- 9. Click **Next** to upload the **ISRA.rar** file. The system may take some time to upload the file. The following screen appears:



10. Select the radio button corresponding to **ISRA.rar**, and click **Next**. The following screen appears:

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		iverride=/com/bea/console/actions/app/install/appSelected	💌 🖓 Go Unis 🕷 👘
Chea WEBLOGIC SERV			
Change Center	Welcome, weblogic	Connected to: cluster_domain	Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assistant Back Next Finish Concernance	4	
Lock & Edt Release Configuration	Choose targeting style Targets are the servers, clusters	s, and virtual hosts on which this deployment will run. Ti	here are several ways you can target an application.
Domain Structure	Install this deployment	t as an application	
cluiter, domain (8) Environment —Deployments (8) Services —Service Nealms (8) Interoperability (8) Diagnostics	Install this deployment	wments that are available for other deployments to sha lications.	
How do I 🛅			
Start and stop a deployed Enterprise application 2 Configure an Enterprise application 3 Create a deployment plan 4 Greete a deployment plan 4 Greete a deployment plan 4 Greete a deployment plan 5 a server 8 Teet the modules in an Enterprise application			
System Status			
Health of Running Servers			
Done			The Local intranet

11. Select the radio button corresponding to **Install this deployment as an application**, if not selected by default, and click **Next.** The following screen appears:

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Shange Center	Welcome, weblogic	Connected to: cluster_domain	B Home Log Out Preferences Help AskBEA
/iew changes and restarts	Home > Summary of Deployments		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assistant Back Next Frish Cancel	1	
Lock & Edit Release Configuration	Select deployment targets Select the servers and/or clusters	to which you want to deploy this application. (You can	reconfigure deployment targets later).
Jomain Structure	Available targets for ISRA		
cluster_domain B-Environment Deployments B-Services Security Realms R-Interoperability B-Diagnostics	Servers		
Now do I	Part of the cluster		
Enterprise application Configure an Enterprise application Create a deployment plan	Server-2		
 Target an Enterprise application to a server Test the modules in an Enterpri application 		1	
System Status	1		

12. Select the check box corresponding to **Cluster 0**, and click **Next**. The following screen appears:

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Address i http://fn-isra:7001/console/co	onsole.portal?AppApplicationInstalPort	let_actionOverride—/com/bea/c	onsole/actions/app/install/applicationTargets5	elected			- 60	Units »
Chea WEBLOGIC SERV								
Change Center	Welcome, weblogic		Connected to: cluster_domain	Home	Log Out	Preferences	Help	AskBEA
View changes and restarts	Home > Summary of Deployn	nents						
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assis Book Next Finish	stant Cancel						
Lock & Edk Release Configuration	Optional Settings You can modify these s	ettings or accept the defau	lits					
Domain Structure	General							
cluster_domain B-Environment Deployments B-Services Security Realms	What do you want to Name:	o name this deployment? [ISRA						
Interoperability In⊡Diagnostics	Source accessibility	v	e ³					
How do I 🛅	8	Its defined by the deplo						
Start and stop a deployed Enterprise application	Recommended selec	ction.						
Configure an Enterprise application	C Copy this appl	ication onto every targ	et for me					
Create a deployment plan Target an Enterprise application	During deployment,	the files will be copied aut	omatically to the managed servers to v	which the appl	lication is tar	geted.		
to a server	C I will make the	e deployment accessible	from the following location					
	Location:	D. \bea9.0\user_	projects\domains\cluster_domain\serv	ers				
System Status			access this application's files. This is a	often a shared	d directory. '	'ou must ensu	re the	
Health of Running Servers								
c) Done	A dia						Local	intranet

This screen displays the optional settings of the deployed file.

13. Retain the default settings, and click **Next**. The following screen appears:

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Address 📳 http://fn-isra:7001/console/	console.portal?AppApplicationInstalPortlet_action0	Override—/com/bea/console/actions/app/install/saveIdentity	● (ở Go Unis »
Ciea WEBLOGIC SER			
Change Center	Welcome, weblogic	Connected to: cluster_domain	Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments		
No pending changes exist. Click the Release Configuration button	Install Application Assistant		
to allow others to edit the domain.	Back Tvext Finish Cano	ei	
Lock & Edit	Review your choices and clic	ck Finish	
Release Configuration	Click Finish to complete the dep	loyment. This may take a few moments to complete.	
Domain Structure	Additional configuration		
cluster_domain B-Environment Deployments	In order to work successfully, after completing this assistant		. Do you want to review this application's configuration
B Services Security Realms B-Interoperability	^(C) Yes, take me to the d	leployment's configuration screen.	
■ Diagnostics	C No, I will review the c	onfiguration later.	
	Summary		
How do I	Deployment:	D:\bea9.0\user_projects\domains\cluster_domain\si	ervers\AdminServer\upload\JSRA.rar
Start and stop a deployed Enterprise application	Name:	ISRA	
Configure an Enterprise application	Staging mode:	Use the defaults defined by the chosen targets	
 Create a deployment plan Target an Enterprise application to a server 	Target Summary		
I Test the modules in an Enterpris	e		
application	Modules 🚧	Tar	rgets
System Status 📑	ISRA	Clu	ster-0
Health of Running Servers			
	Back Next Enish Can	Kel I	tocal intranet

14. Retain the default settings, and click **Finish**. The following screen appears:

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Chea WEBLOGIC SERVER			
Change Center W	elcome, weblogic	Connected to: clust	ter_domain & Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments > ISRA	A	
Pending changes exist. They must be activated to take effect.	Settings for ISRA		
Activate Changes	Overview Configuration S	ecurity Targets Control Testing Mor	nitoring Notes
Undo All Changes	Save.		
Domain Structure	This page displays basic i	information about this resource adapter de	playment.
cluster_domain B-Environment Deployments			
 Services Security Realms 	Name:	Name: ISRA The name of this application deployment. More I	
Interoperability Diagnostics	Source Path:	servers\AdminServer\upbad\JSRA.rar	The path to the source of the deployable unit on the Administration Server. More Info
	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Administration Server, More Info
How do I 💽	1112-11-11-11-11-11-11-11-11-11-11-11-11		
 Install an Enterprise application Start and stop a resource adapter 	Staging Mode:	(not specified)	The mode that specifies whether an application's files are copied from a source on the Administration Server to the Managed Server's staging area during application preparation. More Info
System Status	Security Model:	DDOnly	The security model specifies how this deployment should be secured. More info
Health of Running Servers			COLUMN THE DIRUTE
Failed (0) Critical (0)	🚇 Deployment Order:	100	A numerical value that indicates when this unit is deployed, relative to other DeployableUnits on a server, during startup. More Info
Overloaded (0) Warn (0)	Save		

15. Click Save. The successful upload confirmation screen appears:

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Plathe to other DeployableUhits on a server, during startup.		Security Model:	DDOnly		w this deployment should be
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The system returns to the same page with the message: '*Settings updated successfully*' displayed.

16. Click Activate Changes button. The following screen appears:

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Click the Lock & Edit button to modify, add or delete items in this domain.	Settings for ISRA				
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Health of Running Servers	🖉 Deployment Order:	100		indicates when this unit is deployed, ableUnits on a server, during startup.	
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An overview of the deployments made is reflected. The **ISRA.rar** file is successfully deployed.

17. Click **Deployments**. The following screen appears:

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Change Center	Welcome, weblogic Connected to: cluster_domain	Home Log Out Preferences Help AskBEA
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Click the Lock & Edit button to modify, add or delete items in this domain.	Summary of Deployments Control Monitoring This page displays a list of IZEE Applications and standakore application modules that h and modules can be started, stopped, updated (redeployed), or deleted from the doma	ave been installed to this domain. Installed applications in the first electron the annihilation name and usion the
Domain Structure cluster_doman B Environment Deployments B Services Security Realme	controls on this page. To install a new application or module for deployment to targets in this domain, click th Deployments	e Install button.
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E-Diagnostics	Name Servicing all requests Servicing only administration requests	State Type Deployment Order
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Health of Running Servers	ta?_nfcb=trunt:_point.obni=AppDcpkrymentsControPagn#	Local intranet

A summary of deployments is reflected on the screen.

 Select the check box corresponding to ISRA, and click Servicing all requests from the Start drop-down button. The Start Application Assistant screen appears:

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19. Click **Yes** to start the deployment of the **ISRA.rar** file. The **Summary of Deployments** screen appears:

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The **Status** of the deployed file changes to **Active**. The confirmation message: *'Start requests have been sent to the selected Deployments'* is displayed.

Mandatory Requirements for ISRA 3.4.0

The mandatory requirements for ISRA 3.4.0 include:

- 1. Include **ISRA.jar**, **listener.jar** and **log4j-1.2.8.jar** in the classpath of WebLogic server. To include the jar files in classpath:
 - a. Navigate to the folder containing Application Server.
 - b. Click User_projects > domains > <domain-name>.
 - c. For Windows, open **startWebLogic.cmd** and for UNIX/Linux, open **startWebLogic.sh** in a text editor.
 - d. Include ISRA.jar, listener.jar and log4j-1.2.8.jar in the classpath.
- 2. Include the folder in which **WinPerfMon.dll** is present in the system path in case of Windows operating system. In UNIX, this file is not required.
- 3. Enter the initial and maximum JVM heap size as 512.

Explanation for Terminal name and ISRALock folder

The first instance of ISRA deployed on an Application Server creates a folder named "ISRALock" and a file named¹ "ISRALock.0" inside that folder. The counter "0" in the file name "ISRALock.0" increments subsequently with each new deployment of ISRA and the same is appended to the terminal name generated for an ISRA instance. This folder is created in the path resolved by the system property "user.dir", which is the same path where the ISRA logs are

¹ ISRALock.0 (0-9 and a-z) would be created in ISRA 3.4 FP3 and above. Prior versions of ISRA would have files created as ISRALock.0000 (0000-9999).

generated. This functionality has been introduced in ISRA 3.2.1 to support vertical cluster environment.

Terminal name identifies ISRA instance with a unique id so that IS can distinguish each ISRA client uniquely for communication. Earlier, the terminal name used to be of the form "SV<instance number>.<Counter1>@IPAddress". In case of a vertical cluster, ISRA can be deployed across the cluster on a single machine. But in such a scenario, all the managed server instances in a cluster will have the same ISRA instance deployed and will generate the same terminal name, as the "IPAddress" and "instance number" will be same for all the ISRA instances. The current format of a terminal name generated by ISRA is "RA<instance number>.<Counter1>.<Counter2>@IPAddress", where Counter2 is the counter appended to the files created in the ISRALock folder as mentioned above. The files created in the ISRALock folder will be automatically removed if the managed servers are gracefully shut down (in case of proper JVM shutdown).

See <u>Configurable ra.xml Properties</u> section below for "<u>DeploymentInstance</u>" property setting.

2

ISRA Configuration

This chapter describes the configuration of ISRA, deployed on BEA WebLogic 9.x Application Server.

Configuring Deployed ISRA

This section describes how to edit the ISRA deployment descriptor before and after deployment.

ISRA uses the J2EE Connector Architecture deployment descriptor, called **ra.xml**, to define its operational parameters. The deployment descriptor is defined by Sun Microsystems in the J2EE Connector Architecture 1.0 specification. It describes the Resource Adapter related attributes, types, and deployment properties, using a standard Document Type Definition (DTD).

To edit the ISRA deployment descriptor:

- 1. Remove all files from ISRATemp directory and copy ISRA.rar in it.
- 2. Change directory to ISRATemp. Run the command jar -xvf ISRA.rar. This command extracts the **ISRA.rar** file in the current directory.
- 3. Select the **ra.xml** file in the META-INF folder and edit the **ra.xml** file in a text editor.

For more details, refer <u>Configurable ra.xml Properties</u>, <u>Changing ISRA</u> <u>Specific Parameters for LDAP</u> and <u>Configuring ISRA Parameters for</u> <u>Performance Statistics</u>.

- 4. After making the modifications, save the **ra.xml** file in the same folder.
- 5. To reconstruct the **ISRA.rar** file, run the command from ISRATemp directory jar -cvf ISRA.rar *. This command will create **ISRA.rar** file with modified **ra.xml** bundled into it.

Changing ISRA Specific Parameters

Configurable ra.xml Properties

Note Please note that all properties described in the deployment descriptor are mandatory and no property should be removed. Default values should be specified for properties that users do not want to use.

The configurable properties to be set (modified) in **ra.xml** are:

- DomainName
- OrganizationName
- LoggingLevel
- LoggingMode

- PageBufferSize
- <u>CacheRefreshInterval</u>
- SecurityCacheMode
- <u>MetaDataCacheRefreshMode</u>
- LogFileName
- LogFileSize
- LdapImplClassName
- LdapImplClassString
- InherentLogin
- <u>DeploymentInstance</u>
- PCHLogging
- <u>AllowAnonymousUser</u>
- RPCLogging
- <u>ClientCodepage</u>
- GMTEnabled flag
- ISLocale
- IgnoreObjectBusyMsgInDocMigration

DomainName

This is the domain name of the IS server. The default value of DomainName is FileNetIS. It should be set according to the operational environment. Change this property to the domain name of your IS.

OrganizationName

This is the FileNet IS organization name. The default value for OrganizationName is IBM. It should be changed according to the operational environment.

LoggingLevel

This is an integer representing the amount of log information to be generated. The values are dynamically updatable by using the ISRA Console. The valid values are:

Logging Level	Description
-1	Disables ISRA Logging
0	Only Error and Warning messages will be logged by ISRA
1	Informative messages will also be logged by ISRA
2	Prints debug message in the log

The default value of LoggingLevel is 0. It can be modified to other valid Logging Levels. It is recommended to keep the logging level to 0. LoggingLevel can be increased if a problem is encountered while accessing ISRA through the application.

LoggingMode

Logging Mode	Description
0	No Logging
1	Only console logging
2	Only file logging
3	Both console logging and file logging

This is an integer representing the logging mode. The valid values are:

The default Value of LoggingMode is 3. It can be changed to other valid values according to the operational environment.

PageBufferSize

This is an integer value specified in kilobytes (KB). PageBufferSize specifies the chunk size that ISRA will use to transfer page data to and from IS. The default value is 64 KB. Specifying a higher value will require more memory for the Application Server process, and a low PageBufferSize will mean more trips to IS. The value should be set to an average page size on the target IS. The document buffer size on IS and ISRA should match to optimize image transfer performance.

CacheRefreshInterval

This is an integer value specified in minutes. ISRA stores meta-data information like Document class, Indices and menu details etc., in a local cache for faster retrieval. ISRA refreshes the cache information based on the CacheRefreshInterval value. The default value is 30 minutes.

SecurityCacheMode

This parameter can take two values:

Value Setting

- 1 Caches both users and Groups
- 2 Caches only groups

MetaDataCacheRefreshMode

This parameter can have a value in the range of (0-15).

Value Setting

- 0 No Metadata cache refresh
- 1 Printer cache refresh only
- 2 Document class cache refresh only
- 4 Key Fields cache refresh only
- 8 Menu Value cache refresh only
- 15 is the default value for this parameter, which will refresh all metadata.

Add corresponding values to get a combination of data.

For example, 1+2 = 3 Printer and Document class data 1+2+4 = 7 Printer, Document class, Key Fields data 0+1+2+4+8 = 15 all data

LogFileName

The LogFileName is a string containing the name and path of the log file. The default Value of LogFileName is ISRA.log. A complete or relative path can be provided to create the log file at a specific location on disk.

To ensure that each ISRA instance has a unique log file, the following steps will be followed:

- Configurable property "DeploymentInstance" will be read from ra.xml and appended to the log file name. If not specified, the default value "1" will be used as the deployment instance of ISRA.
- The unique ID used for terminal ID generation in ISRA will be appended to the log file name.

For instance, if the log file name configured in ra.xml is **ISRA.log** and the deployment instance is 1, the modified log file name would be **ISRA_1_0.log**. Here, "0-9 and a-z" is the unique ID^2 generated at run time. This ensures a unique name of the log file for each instance of ISRA.

LogFileSize

This is an integer representing the maximum size of the log file in Megabytes (MB). When the size of the file reaches this maximum limit, the log file is renamed, and a new file is created with the same name. For example, **ISRA_1_0.log** is renamed to **ISRA_1_0_1.log**, and a new file **ISRA_1_0.log** is created. The default value of LogFileSize is 5MB. Automatic purging of old ISRA log files has been implemented leaving behind only 5 latest versions.

LdapImplClassName

It is the name of the Implementation class for LDAP Authentication. This parameter contains the complete path of the LDAP Implementation class to be entered along with the LDAP Implementation Class Name.

The default value is 'com.filenet.is.ra.fnis.FN_IS_IPlanetImpl'

In addition, LDAP implementation has been provided for Microsoft Active Directory Server for Windows 2003 and Novell NDS 8.7.3. The value of the property for LDAP implementation for Active directory is com.filenet.is.ra.fnis.FN_IS_ActiveDirImpl and for Novell NDS 8.7.3 is com.filenet.is.ra.fnis.FN_IS_NovellNDSImpl.

² The modified log file name would be ISRA_1_<unique-ID>.log. The value for unique ID is 0-9, a-z in ISRA 3.4 FP3 and above. Older versions of ISRA use the unique ID value between 0000-9999.

LdapImpIClassString

This parameter is a general string that takes in all the LDAP Server specific parameters required for authentication. It takes the following inputs:

• Server Name – Name of the Server/ Machine on which LDAP Server exists.

Note In case that the LDAP server is located on a different subnet, it may be necessary to enter IP address or a full domain name.

- Port Number LDAP Server's port number used for transactions.
- User Path Organization unit under which the users are filed in the LDAP Directory Server.

The three parameters must be separated by semicolon and must appear in the order - server name, port number and user path. An example of LDAPImplClassString is:

• For Active Directory

filenetserver;389;ADS.com

• For IPlanet

filenetserver;389;ou=ISRA, dc=odc, dc=filenet, dc=com

• For Novell NDS

filenetserver;389;ou= ISRA, ou=odc,ou=filenet,o=com

InherentLogin

To use LDAP security, the value will be set to 1 from the default value 0.

DeploymentInstance

This is the instance number of ISRA that is being deployed. It is a user defined number between 1 and 100. The default value for this parameter is 1 when none is specified. The maximum is 100, which means that 100 different instances of ISRA can be deployed in a single WebLogic domain.

Each deployment/JNDI of ISRA on the same Web/Application server requires its own instance number. For example, there can be 2 ISRA applications deployed on the same Web/Application server. Each deployment would require its own instance number and JNDI name. This number is used on the IS server to differentiate between multiple connections from the same IP address of the Web/Application server.

IS always expects unique IDs from ISRA clients, and when it receives duplicate IDs from ISRA, it will reject communication.

So it is always advised to increment the deployment instance number when another instance of ISRA is deployed to achieve its unique id.

Format of the terminal ID is used by ISRA and IS in distinguishing a Unique ISRA instance.

RXXYYYZ@<ip-address>

Where,

XX = 899 + DeploymentInstance(ra.xml) (Converted to Base 36 and used by ISRA)

YYY = Counter that increments with the creation of a new LogonSession object (Values in base 36)

Z = Unique ID generated per ISRA instance. Introduced to support ISRA in clustered environment (Unique ID is a number in Base 36)

<ip-address> = IP Address of the machine where ISRA is deployed.

The Unique ID is obtained from the place holder file ISRALock.z (where Z=Unique ID) that is created in the ISRALock folder.Each cluster member creates its own place holder file (like ISRALock.0, ISRALock.1 and so on) within the common ISRALock folder.

PCHLogging

This is a String parameter to enable/disable PCH logging in ISRA. The default value for this parameter is "Disabled". PCHLogging enables user to log performance monitoring data of IS.

AllowAnonymousUser

It's a Boolean value to allow Anonymous user logon through LDAP, when blank password is passed from user/client. The default value of this parameter is "false".

RPCLogging

This is an integer representing the RPC logging level. The valid values are:

RPCLogging	Description
0	No Logging
1	File Logging

The default Value of RPCLogging parameter is 0. It can be changed to 1 if RPC Logging is required.

The RPC LogFileSize is taken as double the size of that of ISRA LogFileSize. So, when the size of the RPC log file reaches its maximum limit (10mb), the log file is renamed, and a new file is created with the same name. For example, ISRA_1_0000_RPC.log is renamed to ISRA_1_0000_RPC_1.log, and a new file ISRA_1_0000_RPC.log is created. Automatic purging of old ISRA RPC log files has been implemented leaving behind only 5 latest versions.

ClientCodepage

This is the code page for encoding Text and Sticky Note annotations. The default value for this property is blank.

On Microsoft Windows platform, the Locale character set is the Windows Code Page (1252 for US English and Western Europe) whereas on a UNIX platform, it is an ISO 8859-X character set (ISO 8859-1 for US English and Western Europe).

Thus, if the client locale character set, is Windows Code Page based (for example: Cp1252 for US English and Western Europe), and the server is UNIX

based, then Windows Code Page should be used for encoding the annotations data before committing to the server. This is because, there is an inconsistency in characters mapping between Microsoft Windows Code Pages and the equivalent ISO 8859-X series. For instance, Code page 1252 is built on ISO 8859-1 but uses the range 0x80-0x9F for extra printable characters rather than the C1 control codes used in ISO8859-1.

For Annotations data, ISRA internally retrieves the IS character set and uses the equivalent Windows Code Pages for the following ISO encodings:

ISO Encoding	MS Windows counterpart
ISO8859_1	Cp1252
ISO8859_2	Cp1250
ISO8859_5	Cp1251
ISO8859_6	Cp1256
ISO8859_7	Cp1253
ISO8859_8	Cp1255
ISO8859_9	Cp1254
ISO8859_13	Cp1257

Note Specifying an incorrect code page may lead to inconsistency and/or corruption of Annotations data.

GMTEnabled flag³

This parameter takes two values:

1. true

2. false

The default value of this parameter is false.

Setting "GMTEnabled" to false: When the flag is set to false, it is assumed that the ISRA client application is not "GMT Enabled" i.e. client applications will not do any timezone conversion. ISRA returns the date committed on the IS to client applications after adjusting the difference between the Application Server timezone and the GMT Timezone. As a result, the dates displayed in applications will be in accordance with the dates committed on the IS.

Setting "GMTEnabled" to true: When the flag is set to true, it is assumed that the client application is "GMT Enabled" i.e. client applications will display the dates in GMT. In this case, ISRA returns the date committed on the IS in the GMT timezone, without any adjustment. Set this value to true only if you have made changes to your application after of an upgrade to ISRA 3.3 FP6 or ISRA 3.4 FP2.

³ GMTEnable flag is available from ISRA 3.4 FP3 and above.

ISLocale

This is a String parameter which represents the ISRA Locale. The administrator can set the value of this configurable property as that of the IS locale. It is a lower-case two-letter code as defined by ISO-639. The default value of this parameter is "en" (English locale). The ResourceBundle used in ISRA will depend on the value set by the user for this property.

IgnoreObjectBusyMsgInDocMigration

This is a Boolean parameter which can be set to true to ignore the [77,0,11 The object is busy] error, incase of DocMigration. The default value for this parameter is false.

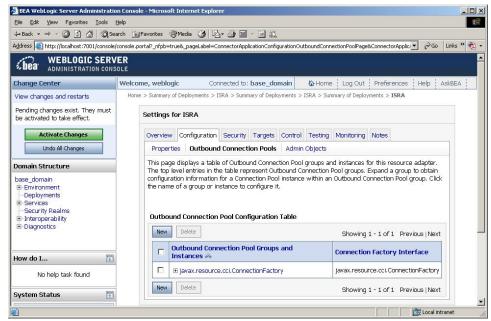
Configuring Weblogic-Specific Entities

Once the configurable properties are set for ISRA, user can configure parameters specific to the WebLogic Application Server. The configurable properties for a Connector in WebLogic Application Server are:

- Initial Capacity
- Max Capacity
- Capacity Increment
- Shrinking Enabled
- Shrink Frequency Seconds
- Highest Num Unavailable
- Highest Num Waiters
- Connection Reserve Timeout Seconds
- Test Frequency Seconds
- Connection Creation Retry Frequency Seconds
- Test Connections on Create
- Test Connections on Reserve
- Test Connections on Release
- Match Connections Supported

To configure Weblogic parameters:

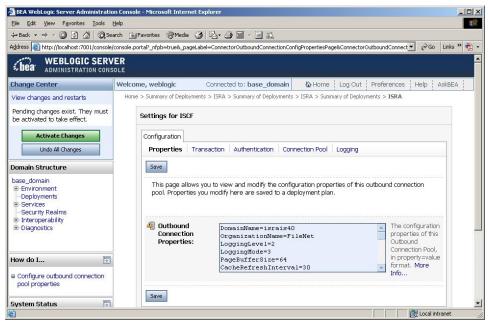
1. Navigate to **Deployments.** Click the deployed resource adapter. On the screen that follows, click **Configuration** -> **Outbound Connection Pools.**



2. Expand **javax.resource.cci.ConnectionFactory**, the following screen appears:

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Address 🙋 http://localhost:7001/console	s/console.portal?_pageLabel=ConnectorApplicationConfigurationOutboundConnectionPoolPage&_nfpb=true&ConnectorApplict 💌 🔗 Go 🛛 Links 🍅	 1
WEBLOGIC SERV		
Change Center	Welcome, weblogic Connected to: base_domain Welcome Log Out Preferences Help AskBEA	
View changes and restarts	Home > Summary of Deployments > ISRA > Summary of Deployments > ISRA > Summary of Deployments > ISRA	
Pending changes exist. They must be activated to take effect.	Settings for ISRA	
Activate Changes	Overview Configuration Security Targets Control Testing Monitoring Notes	
Undo All Changes	Properties Outbound Connection Pools Admin Objects	
Domain Structure	This page displays a table of Outbound Connection Pool groups and instances for this resource adapter.	
base_domain ⊕ Environment → Deployments ⊕ Services → Security Realms ⊕ Interoperability	The top level entries in the table represent Outbound Connection Pool groups. Expand a group to obtain configuration information for a Connection Pool Instance within an Outbound Connection Pool group. Click the name of a group or instance to configure it. Outbound Connection Pool Configuration Table	
⊡-Diagnostics	New Delete Showing 1 - 1 of 1 Previous Next	
How do I	□ Dutbound Connection Pool Groups and Instances A Connection Factory Interface	-
No help task found	avax.resource.cci.ConnectionFactory javax.resource.cci.ConnectionFactory	
	ISCF javax.resource.cci.ConnectionFactory	
System Status	New Delete Showing 1 - 1 of 1 Previous Next	
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3. Click ISCF. The following screen appears:



4. Click **Connection Pool**. The following screen appears:

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<u>File Edit View Favorites Tools</u>	Help				1
⇐ Back • ⇒ • ③ ④ ▲ ◎ Se	arch 🙀 Favorites 🎯 Media 🎯 🖣	3• 🤩 🔟 • 🗒 🛍			
Address Address http://localhost:7001/console,	/console.portal?_nfpb=true&_pageLabel=0	ConnectorOutboundConnectionCon	figPoolPage&ConnectorOutbo	undConnectionCol 💌 🔗 G	o Links » 📆 🔹
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Change Center	Welcome, weblogic Co	nnected to: base_domain	Home Log Out	Preferences Help	AskBEA
View changes and restarts Pending changes exist. They must be activated to take effect. Activate Changes Undo Al Changes Domain Structure base_domain Environment Deployments Services Service	Home > Summary of Deployments > Deployments > ISRA > Summary of Settings for ISCF Configuration Properties Transacti Save This page allows you	Deployments > ISRA	ection Pool Logging		#
el-Interoperability ■-Diagnostics	Initial Capacity:	0	The initial number of co More Info	nnections in the pool.	
How do I 🗊	Max Capacity:	1000	The maximum number of More Info	of connections in the poo	ol.
No help task found	Capacity Increment:	1	The number of connecti connections are added t More Info		
System Status					
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Change the required parameters.

A description of each attribute is given below:

- Initial Capacity: Defines the initial number of Managed Connections, which WebLogic Server attempts to obtain on creating a ConnectionFactory. Default value is 0. It is suggested to keep the default value unless user wants to configure Container managed sign-on on this ConnectionFactory.
- **Max Capacity**: Represents the maximum number of Managed Connections that can be created by the ManagedConnectionFactory. After this number is reached, no new connections are created and the requester waits for the ConnectionTimeout or a

ResourceAllocationException thrown by WebLogic. Maximum Connections must be greater than or equal to Minimum Connections.

- **Capacity Increment**: Represents maximum number of additional Managed Connections that WebLogic Server attempts to obtain during resizing of the maintained connection pool.
- **Shrinking Enabled**: Specifies whether the connection pool should reclaim unused managed connections to control system resources.
- Shrink Frequency Seconds: Specifies the amount of time the connection pool Manager will wait between attempts to reclaim unused managed connections.
- **Highest Num Unavailable**: Specifies the maximum number of connection requests that can concurrently block threads while waiting to reserve a connection from the connection pool.
- **Highest Num Waiters**: Specifies the maximum number of connections in the connection pool that can be made unavailable for use by an application.
- **Connection Reserve Timeout Seconds**: Specifies the number of seconds after which a call to reserve a connection from the pool will timeout.
- **Test Frequency Seconds**: Specifies the number of seconds between two consecutive WebLogic Server tests for unused database connections. Connections that fail the test are closed and reopened to re-establish a valid physical database connection.
- Connection Creation Retry Frequency Seconds: Specifies the number of seconds between two consecutive trials of the connection pool to establish connections to the database.
- **Test Connection on Create:** Specifies whether connections should be tested on creation.
- **Test Connections on Reserve:** Specifies whether connections should be tested on reserve.
- **Test Connections on Release:** Specifies whether connections should be tested on release.
- Match connections Supported: Specifies whether to match connections supported flag of this outbound connection.
- 5. Click **Save**. The **Save Deployment Plan Assistant** screen appears. Enable radio button against META-INF.

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Address () http://localhost:7001/console	/console.portal?_nfpb=true&_pageLabel=AppSavePlanPage
Chea WEBLOGIC SERV	
Change Center	Welcome, weblogic Connected to: base_domain Image: Home log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments > ISRA > Summary of Deployments > ISRA > Summary of Deployments > ISRA
Pending changes exist. They must be activated to take effect.	Save Deployment Plan Assistant
Activate Changes	Back Next Finish Cancel
Undo All Changes	Save Deployment Plan
Domain Structure	You have made configuration changes that need to be stored in a new Deployment Plan. Select a directory to receive these files.
base_domain ⊕ Environment → Deployments ⊕ Services Security Realms ⊕ Interoperability ⊕ Diagnostics	Location: localhost \ . \ servers \ AdminServer \ upload C Image: AdminServer \ upload Back Next Finish Cancel
How do I	
 Create a deployment plan Update a deployment plan 	
Specify a deployment plan	
Configure an Enterprise application	
Start and stop a deployed	
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6. Click Finish.

Configuring Multiple IS Servers with ISRA

To configure ISRA for accessing multiple IS servers:

- 1. Deploy a new ISRA instance for each IS that user wants to connect. Before deploying the second (and subsequent) ISRA, rename the ISRA.rar file. The new ISRA will overwrite the previously deployed ISRA configuration settings, if the .rar file is not renamed.
- 2. Ensure that the renamed ISRA.rar has the .rar file extension.
- 3. Configure the new ISRA and enter a DomainName and OrganizationName before deployment, for connecting to the target IS.

Configuring and Deploying ISRA Console and Sample Application

ISRA Console

The LoadISRA utility from ISRA 3.4.0 has now been replaced with the ISRA Console (in ISRA 3.4 fixpack 1 and above). This ISRA console has been developed to show the ra.xml properties in a well formatted table and also features buttons to enable/disable/edit logging levels dynamically.

The dynamic update of logging allows the user to enable and change logging levels while the ISRA is running and without needing to restart the appserver. The console also features links to launch Sample Application and to view JVM statistics.

This console is available as a Web Module (ISRAConsole.war) within ISRAConsole.ear and gets deployed automatically during the deployment of ISRAConsole.ear

Configuring Sample Application

The ISRA console and Sample Application are packaged within a single Enterprise Application Archive File (**ISRAConsole.ear**).

ISRAConsole.ear consists of:

- Two Web modules:
 - o ISRASampleWEB.war (ISRA Sample Application)
 - o ISRAConsole.war (ISRA Console)
- Deployment Descriptor (application.xml)

This chapter illustrates the deployment and configuration of the ISRA Console and Sample Application on BEA WebLogic 9.x platform using the WebLogic Administration Console.

Note ISRA product media comes with an IBM FileNet Image Viewer, which can be used to display the TIFF, JPEG, BMP, and other supported file formats on a Java-enabled browser.

This Sample Application is intended solely for illustrative purposes and it should not be expected to perform useful work, or be used for production deployment. This Sample Application is to be used strictly as reference material.

It is assumed that ISRA is deployed and configured for the target IS.

In ISRA 3.4 fixpack 1, a new properties file "jndiISRA.properties" has been introduced and it gets created in Application Server home directory. The JNDI names of connection factories mentioned in this properties file, which will be used by Sample application to display on the login page. Two JNDI names "ISCF" and "ISCF1" are mentioned in the file by default. Additional library names can be included by providing comma separated entries. The property file is mandatory and it should contain the same names as the JNDI Binding Paths specified for the configured ISRA ConnectionFactories.

For configuring Sample application, certain properties need to be updated in the web.xml of the **ISRASampleWEB.war**.

Follow the below steps for extracting web.xml from ISRASampleWEB.war.

- 1. Extract ISRASampleWEB.war from ISRAConsole.ear.
- 2. Extract web.xml from ISRASampleWEB.war
- 3. To enable extended annotation functionality modify the following parameters in **web.xml**:
 - a. Change env-entry-value for "DOCCLASSNAME" to the document class configured in the IS for digital signatures.

<env-entry-value>digDocClass</env-entry-value>

- b. Change env-entry-value for "MAXROWS" to the number of records to be fetched from the given document class.
 - <env-entry-value>200</env-entry-value>
- 4. To enable Remote Printing functionality modify the following parameters in **web.xml**:
 - a. Change env-entry-value for "USEPRINTVIEWOPTION" to either Yes or No. This value will determine whether to honor the print/view preference set in the **web.xml** or to take the value returned by ViewOne. Default value is No.

<env-entry-value>No</env-entry-value>

b. Change env-entry-value for "PRINTVIEWOPTION" to either View Only =1, Print Only =2, Print/View = 3. This value indicates the value of Print/View. The default value is 3.

<env-entry-value>3</env-entry-value>

Note If the PRINTVIEWOPTION is set to 3 (default) then the sticky note would be saved as a normal sticky note. If PRINTVIEWOPTION value is specified as 1 or 2 then the annotations will be saved as an extended annotation (*Extended annotations are non-standard annotations which are saved with a class name parameter* (*F_CLASSNAME*) of "Proprietary", a class id property (CLASS_ID) of {A91E5DF2-6B7B-11D1-B6D7-00609705F027} and a subclass name property (F_SUBCLASS) that describes the annotation).

The value of PRINTVIEWOPTION would be honored for each sticky note individually, and not for all the sticky notes on a document as a whole.

Thus, the setting for PRINTVIEWOPTION would be processed for either a new annotation being added or an existing annotation being modified.

5. Update web.xml in ISRASampleWEB.war

- 6. Add **weblogic.xml** with the following code into the WEB-INF folder of the ISRASampleWEB.war:
 - For Session Application, when deployed on clustered environment:

7. Update ISRASampleWEB.war in ISRAConsole.ear

Deploying the ISRA Console and Sample Application in a Standalone Environment

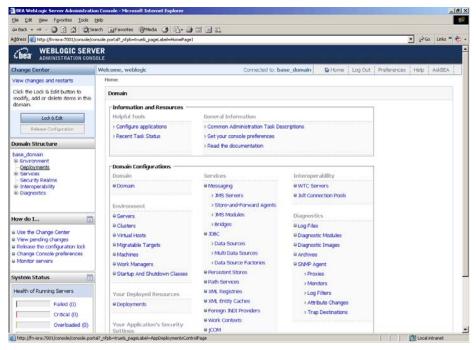
This section describes how to deploy the ISRA Console and Sample Application on a WebLogic Server to access ISRA in a managed environment. It is assumed that ISRA is deployed and configured for the target IS.

Before deploying the ISRA Console and Sample Application through the WebLogic Server Administration Console, ensure WebLogic Administration Server is running, else, start the Administration server as explained in the Deploying ISRA in a Standalone Environment section.

1. Start the administrative console. Open a browser window and enter the WebLogic admin console URL http://<hostname>:<portnumber>/console.

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- UCA ADMINISTRATION CONSOLS	
Log in to work with the WebLogic Server domain	
Username:	
Password:	
Password.	
Log In	
	_
Done -	2 Constant

2. The WebLogic admin console sign on screen appears. Enter the WebLogic admin **Username** and **Password**. Click **Log In** to access the WebLogic admin console. The following screen appears:



3. Click **Deployments**. The following screen appears:

	Help					
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Install an Enterprise application Configure an Enterprise application Update (redeploy) an Enterprise application Start and stop a deployed Enterprise application Monitor the modules of an			200 *			7.77
Install an Enterprise application Configure an Enterprise application Update (redeploy) an Enterprise application Start and stop a deployed Enterprise application Enterprise application Enterprise application Deploy EB modules			20 *			7.77
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ow do L Install an Enterprise application Configure an Enterprise application Update (redeplay) an Enterprise application Start and stop a deployed Enterprise application Benter prise application Deploy E& modules of an Enterprise application Deploy E& modules Install a Web application ystem Status			300 ×			7.77

 Click Lock and Edit button to make the console editable. The following screen appears:

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allow others to edit the omain.	Control Monitoring				
Lock & Edt Release Configuration		cations and standalone application modules that have updated (redeployed), or deleted from the domain b			
omain Structure	To install a new application or module	e for deployment to targets in this domain, click the Ir	nstall button.		
ase_domain 8-Environment —Deployments 8-Services Security Realms	Deployments Instal Update Delete Sta	ert/w Stop/w	Showing	1 - 1 of 1	Previous Next
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Install an Enterprise application Configure an Enterprise application	Install Update Delete Sta	at * Rop *	Showing	1 - 1 of 1	Previous Next
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Done					Local intranet

The **Release Configuration** button, along with the buttons under **Deployment** section is enabled.

5. Under **Deployments** click **Install** button. The **Install Application Assistant** screen appears:

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View changes and restarts	Home > Summary of Deployments		
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Domain Structure		yed below. If you cannot find your deployment files,	upload your file(s) and/or confirm that your
bese, domain B-Environment - Deployments H-Services Security Realms R-Interoperability B-Diagnostics	application contains the required depi Location: fn-isra Cr\ Dr\	oymen west parts.	
How do I	Back Next Frish Cancel		
Start and stop a deployed Enterprise application u Configure an Enterprise application @ Create a deployment plan w Target an Enterprise application to a correct w Test the modules in an Enterprise			_
a Lest the modules in an Enterprise application System Status			
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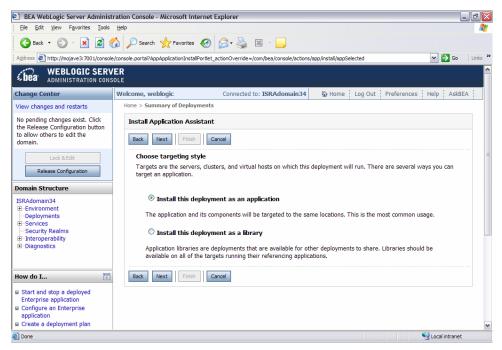
6. Click the **upload your file(s)** link. The following screen appears:

BEA WebLogic Server Administr	ration Console - Mozilla Firefox	ı 🛛
Ele Edit View Higtory Bookmarks	Took Reb	0
🔇 🖂 - C 🗙 🏠 🗋) http://locahosti.7001/console.jconsole.portal?AppApplicationInstalPortiet_actionOverride=/com,bea/console/actions/app/instal/selectLiploadApp 🟠 📲 🔀 • 🖉 💿	P
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No pending changes exist. Click	Install Application Assistant	
the Release Configuration button to allow others to edit the domain.	Body Next Prinh Cancel	
Lock & Edit	Upload a Deployment to the admin server	
Release Configuration		
Domain Structure	Click the Browse button below to select an application or module on the machine from which you are currently browsing. When you have located the file, click the Next button to upload this deployment to the Administration Server.	
ISRA341 Environment Deployments	Deployment Archive: 3.4.0.11/SFAConsole.ea(Browse.	
Services Security Realms	Upload a deployment plan (this step is optional) A deployment plan is a configuration which can supplement the descriptors included in the deployment archive. A deployment will work without a deployment plan, but you can also upload a deployment plan archive now. This deployment plan archive will be a directory of	
 Interoperability Diagnostics 	configuration information packaged as a .jar file. See related links for additional information about deployment plans.	
How do L	Deployment Plan Archive: Browse.	
Start and stop a deployed Enterprise application	Back Next Finish Cancel	
Configure an Enterprise application		
Create a deployment plan Target an Enterprise application to		
a server Test the modules in an Enterprise		
application		
System Status		
Health of Running Servers		
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Overloaded (0)		
Warn (0)		
Done		

- 7. Click Browse to select the ISRAConsole.ear file. The ISRAConsole.ear file is located in sample subdirectory of the ISRA installation directory. For example, if user has installed ISRA in C:\fnsw\ISRA (/fnsw/ISRA on UNIX), the ISRAConsole.ear is located in C:\fnsw\ISRA\sample\ (/fnsw/ISRA/sample on UNIX) directory.
- 8. Click **Next** to upload the **ISRAConsole.ear** file. The system may take some time to upload the file. The following screen appears:

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ISRAdomain34 B - Environment Deployments B - Services	Sele	ect the file path that dule descriptor that	to install and prepare for deploym at represents the application root direct it you want to install. waths are displayed below. If you cannot	ory, archive file, o					
-Security Realms -Interoperability -Diagnostics	con	firm that your appli	: \ bea \ user_projects \ domains \ ISR ²	nt descriptors.			s) anu/u	•	
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application	1.1				0.01				

9. Select the radio button corresponding to **ISRAConsole.ear**, and click **Next**. The following screen appears:



10. Select the radio button corresponding to **Install this deployment as an application**, if not selected by default, and click **Next.** The following screen appears:

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View changes and restarts	Home > Summary of Deployments
No pending changes exist. Click the Release Configuration button	Install Application Assistant
to allow others to edit the domain.	Back Next Finish Cancel
Lock & Edit	Optional Settings
Release Configuration	You can modify these settings or accept the defaults
Domain Structure	General
ISRAdomain34	What do you want to name this deployment?
Environment Deployments	
Services	Name: ISRAConsole
Security Realms	
Interoperability Diagnostics	- Security
	What security model do you want to use with this application?
How do I	$^{\odot}$ DD Only: Use only roles and policies that are defined in the deployment descriptors.
Start and stop a deployed Enterprise application	$^{\odot}$ Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the
Configure an Enterprise	
application Create a deployment plan	$^{\odot}$ Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.
Target an Enterprise application	
to a server	O Advanced: Use a custom model that you have configured on the realm's configuration page.
Test the modules in an Enterprise application	- Source accessibility
<	
🙆 Done	Second Intranet

This screen displays the optional settings of the deployed file.

11. Retain the default settings, and click Next. The following screen appears:

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Lock & Edit Release Configuration	Review your choices a Click Finish to complete t	a nd click Finish the deployment. This may take a few	v moments to complete.		· · · ·
Domain Structure	- Additional configura	ation			
ISRAdomain34 Environment Deployments Services		cessfully, this application may require ation after completing this assistant?	e additional configuration. Do you want ?	to review this	
- Interoperability - Diagnostics		o the deployment's configuration v the configuration later.	n screen.		
How do I	— Summary ———				
Start and stop a deployed Enterprise application	Deployment:	C:\bea\user_projects\domains\; \servers\AdminServer\upload\IS			=
Configure an Enterprise application	Name:	ISRAConsole			
Create a deployment plan	Staging mode:	Use the defaults defined by the	chosen targets		
to a server Test the modules in an Enterprise	Security Model:	DDOnly: Use only roles and polic	cies that are defined in the deployment	descriptors.	
application	Customize this table				
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Done				Second Second Second	

12. Retain the default settings, and click **Finish**. The following screen appears:

	Help		
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Change Center	Welcome, weblogic	Connected to: ISRAdomain34	Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments	> ISRAConsole	
Pending changes exist. They must be activated to take effect.	Settings for ISRAConsole	3	
Activate Changes Undo All Changes	Overview Deployment Pla	an Configuration Security Targets Con	trol Testing Monitoring Notes
ISRAdomain34 B-Environment -Deployments B-Services	the application files, the as	and EJBs) that are contained in the Enterpris	able at the end of the page lists the modules
Environment Deployments	the application files, the as (such as Web applications	sociated deployment plan, and so on. The ta and EJBs) that are contained in the Enterpris	able at the end of the page lists the modules
B-Environment Deployments B-Services	the application files, the as (such as Web applications module to view and update	sociated deployment plan, and so on. The ta and EJBs) that are contained in the Enterpris e its configuration.	able at the end of the page lists the modules se application. Click on the name of the The name of this Enterprise Application. More
⊕ - Environment	the application files, the as (such as Web applications module to view and update Name:	sociated deployment plan, and so on. The ta and EJBs) that are contained in the Enterpris its configuration. ISRAConsole C:\ bea\ user_projects\ domains\ ISRAdomain34\. \ servers\	able at the end of the page lists the modules se application. Click on the name of the The name of this Enterprise Application. More Info The path to the source of the deployable unit on
⊕ - Environment → Deployments ⊕ Services → Security Realms ⊕ - Diagnostics How do I ■ Start and stop a deployed	the application files, the as (such as Veb applications module to view and update Name: Path:	sociated deployment plan, and so on. The te and EBs) that are contained in the Enterpris e its configuration. ISRAConsole C:\ bea\ user_projects\ domains\ ISRAdomain34, \ servers\ AdminServer\ upload\ ISRAConsole. ear	able at the end of the page lists the modules se application. Click on the name of the The name of this Enterprise Application. More Info The path to the source of the deployable unit on the Administration Server. More Info The path to the deployment plan document on

13. Click **Save**. The successful upload confirmation screen appears:

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View changes and restarts	Home > Summary of Deployment	s > ISRAConsole									
Pending changes exist. They must be activated to take effect.	Settings for ISRAConso	le									
Activate Changes Undo All Changes	Overview Deployment P	lan Configuration	Security	Targets	Control	Testing	Monitoring	Notes			
	Save										
Domain Structure	Save										
ISRAdomain34 Be-Environment Deployments B-Services	Save Use this page to view the the application files, the a (such as Web application module to view and upda	associated deploym s and EJBs) that are	ent plan, and e contained i	d so on. T	he table	at the end	of the page	lists the r	, modules		
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ISRAdomain34 ⊕-Environment → Deployments ⊕-Services ⊕-Security Realms ⊕-Interoperability	Use this page to view the the application files, the a (such as Web application module to view and upda	associated deploym s and EJBs) that are te its configuration.	ent plan, and e contained i projects\ do \ . \ servers'	d so on. T in the Ente omains\	he table a erprise ap Th Inf Th	at the end plication. e name of o e path to	of the page Click on the	lists the r name of f rise Applic	modules the cation. M oyable u	ore	
ISRAdomain34 ⊕:Environment — Deployments ⊕: Services — Security Realms ⊕: Interoperability ⊕: Diagnostics	Use this page to view the the application files, the a (such as Web application module to view and upda Name:	ssociated deploym s and EJBs) that are te its configuration. ISRAConsole C:\ bea\ user_ ISRAdomain34	ent plan, and e contained i projects\ do \ . \ servers' upload\ ISR/	d so on. T in the Ente omains\	he table a erprise ap Th Inf Th the ear Th	e name of o e path to Administ e path to	of the page Click on the this Enterpr	lists the r name of t rise Applic f the depl r. More In ent plan d	oyable u ifo	ore nit on	

14. The system returns to the same page with the message: '*Settings updated successfully*' displayed. Click **Activate Changes** button. The following screen appears:

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iress [4] http://mojave3:7001/console/co	onsole.portal?_nfpb=true&_pageLabel=AppApplicationOverviewPage&A	
pplication		Administration Server to the Managed Server's staging area during application preparation. More Info
alth of Running Servers	Security Model: DDOnly	The security model that is used to secure a deployed module. More Info
Failed (0) Critical (0) Overloaded (0) Warn (0)	Epoperator and the second seco	A numerical value that indicates when this unit is deployed, relative to other DeployableUnits on a server, during startup. More Info
mann (o)		
OK (1)	Modules and Components	Shawina 1 - 1 of 1 Previous I Next
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OK (1)	Name ≫ □ 15Sort table by Name □ EJBs None to display □ Modules @ISRA	Type Enterprise Application Web App

An overview of the deployments made is reflected. The **ISRAConsole.ear** file is successfully deployed.

15. Click **Deployments**. The following screen appears:

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Change Center	Welco	me, we	eblogic	Connected to: ISRAdomain34	🕯 Home	Log Out	Preferences	Help As	skBEA
View changes and restarts	Home	e > Sum	mary of Deployments > I	SRAConsole > Summary of Deployme	ents				
Click the Lock & Edit button to modify, add or delete items in this domain.	Su	ımmary	y of Deployments						
Lock & Edit	т		ge displays a list of J2	EE Applications and stand-alone ap					n.
Release Configuration				dules can be started, stopped, upd e and using the controls on this pag		or deleted	from the dor	nain by first	
Domain Structure		ro insta	II a new application o	r module for deployment to targets	s in this domain, cli	ck the Insta	ill button.		
ISRAdomain34				., .,					
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Security Realms III-Interoperability		Instal	yments	Start V Stop V		Showin	g 1 - 3 of 3	Previous Ne	xt
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E-Interoperability E-Diagnostics How do I			I Update Delete Name B B ISRA B B ISRA B B ISRA	r		State Active Active Prepared	Type Enterprise Application Resource Adapter Enterprise Application	Deploymen Order 100 100	

A summary of deployments is reflected on the screen.

16. Select the check box corresponding to **ISRAConsole**, and click **Servicing all requests** from the **Start** drop-down button. The **Start Application Assistant** screen appears:

BEA WebLogic Server Administ	ration Console - Microsoft Internet Explorer	- 7 🗙
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Address Address http://mojave3:7001/console	;/console.portal?AppGlobalStartPortletreturnTo=AppDeploymentsControlPage&AppDeploymentsControlPortlethandle=com.bea.console.hand 💽 🔂 Go	Links »
WEBLOGIC SERV ADMINISTRATION CONS		<u>^</u>
Change Center	Welcome, weblogic Connected to: ISRAdomain34 & Home Log Out Preferences Help Askt	EA
View changes and restarts	Home > Summary of Deployments > ISRAConsole > Summary of Deployments	
Click the Lock & Edit button to modify, add or delete items in this	Start Application Assistant	
domain.	Yes No	
Lock & Edit Release Configuration	Start Deployments You have selected the following deployments to be started. Click 'Yes' to continue, or 'No' to cancel.	
Domain Structure	ISRAConsole	=
ISRAdomain34		
Environment Deployments	Yes No	
Services Security Realms		
Interoperability		
⊡-Diagnostics		
How do I		
No help task found		
System Status		
Health of Running Servers		~
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17. Click **Yes** to start the deployment of the **ISRAConsole.ear** file. The **Summary of Deployment** screen appears:

BEA WebLogic Server Administration	on Consol	- Microsoft Internet Explorer				- 7 🗙
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View changes and restarts Click the Lock & Edit button to modify, add or delete items in this domain.	Messag	mary or oppoyments > isk-console > summary or deployments is rt requests have been sent to the selected Deployments,				
Lock & Edit Release Configuration		y of Deployments				
Domain Structure	Control	Monitoring ge displays a list of J2EE Applications and stand-alone application modules the	at have h	e e e in stelle d	to this domain	
ISRAdomain34 Hernivronment Deployments Hernivros Services Factority Realms Hernivroperability Holanostics	selecti	d applications and modules can be started, stopped, updated (redeployed), or g the application name and using the controls on this page. all a new application or module for deployment to targets in this domain, click			nain by first	
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	Inst	II Update Delete Start V Stop V	Showin	g 1 - 3 of 3	Previous Next	
How do I		Name 🗞	State	Туре	Deployment Order	
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Enterprise application Deploy EJB modules Install a Web application	Inst	II Update Delete Start V Stap V	Showin	g 1 - 3 of 3	Previous Next	~
Done					Scal intranet	t

The **Status** of the deployed file changes to **Active**. The confirmation message: *'Start requests have been sent to the selected Deployments'* is displayed.

Deploying the ISRA Console and Sample Application in a Clustered Environment

This section describes how to deploy the ISRA Console and Sample Application on a WebLogic Server to access ISRA in a managed environment. It is assumed that ISRA is deployed and configured for the target IS.

Before deploying the ISRA Console and Sample Application through the WebLogic Server Administration Console, ensure WebLogic Administration Server is running, else, start the Administration server as explained in the Deploying ISRA in a Standalone Environment section.

1. Start the administrative console. Open a browser window and enter the WebLogic admin console URL http://<hostname>:<portnumber>/console.

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Log in to work with the WARLOGIC SERVER Log in to work with the WARLOGIC Server domain Username: Password: Log in	

2. The WebLogic admin console sign on screen appears. Enter the WebLogic admin **Username** and **Password**. Click **Log In** to access the WebLogic admin console. The following screen appears:

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Change Center	Welcome, weblogic	Connected to: b	ase_domain & Home : Log Out	Preferences Help AskBEA
View changes and restarts	Home			
Click the Lock & Edit button to modify, add or delete items in this	Domain			
domain.	Information and Resources	Deneral Information > Common Administration Task D > Set your console preferences > Read the documentation	escriptions	
base_domain		Read the documentation		
Benives Services Security Realms H-Interoperability E Diagnostics	Domain Configurations Domain © Domain Environment	Services Witessigng > IMS Servers > Store-and-Forward Agents > MS Michaes	Interoperability # WTC Servers # Jolt Connection Pools	
How do I Use the Change Center View pending changes a Release the configuration lock a Change Console preferences a Monitor servers	Geners Clusters Vintual Hosts Migratable Targets Middhines Work Managers	Anon Mobiles Bridges Wides Joaco Joaco Sources Multi Data Sources Data Source Factories	Diagnostics E Log Files Ø Diagnostic Modules Ø Diagnostic Images Ø Archives Ø SMMP Agent	
System Status 🛛 🔃	Startup And Shutdown Classes	# Persistent Stores # Path Services	> Proxies	
Health of Running Servers Pailed (0) Critical (0) Overloaded (0)	Your Deployed Resources © Deployments Your Application's Security Sections	W Parts Services W XML Registries W XML Entity Caches W Foreign INDI Providens W Work Contexts W COM	 Monitors Log Filters Attribute Changes Trap Destinations 	

3. Click **Deployments**. The following screen appears:

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hange Center	Welcome, weblogic	Connected to: cluster_domain	Home Log Out P	references Help Ask&EA
/iew changes and restarts	Home > Summary of Deployments > ISRA > Summary of Deployments			
Click the Lock & Edit button to modify, add or delete items in this domain.	s Summary of Deployments			
	Control Monitoring			
Lock & Edit Release Configuration	This page displays a list of 32EE Applicatio and modules can be started, stopped, upo controls on this page.	ons and standaione application modules that have dated (redeployed), or deleted from the domain b	been installed to this doma y first selecting the applicat	ain. Installed applications ton name and using the
Domain Structure				
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iow do I 🔟	C ØISRA		Active	Resource Adapter 100
Install an Enterprise application Configure an Enterprise application	Instal Lodate Delete Start	* Stop *	Showing	1 - 1 of 1 Previous Next
Update (redeploy) an Enterprise application				
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Monitor the modules of an				
Enterprise application Deploy EXB modules				
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4. Click **Lock and Edit** button to make the console editable. The following screen appears:

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ddress 🕘 http://fn-isra:7001/console/co	nsole.portal7_pageLabel=Home6_nfpb=true8Change	ManagerPortlet_actionOverride=/MakeChangesActionEchang	eCenter=ChangeCenterClicked		💌 🤗 Go Links	
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View changes and restarts	Home > Summary of Deployments > ISRA > Su	mmary of Deployments				
No pending changes exist. Click the Release Configuration button to allow others to edit the	Summary of Deployments					
to allow others to edit the domain.	Control Monitoring					
Lock & Edit	This page displays a list of J2EE Applic	ations and standalone application modules that have	e been installed to this doma	in. Installe	d applications	
Release Configuration	and modules can be started, stopped, controls on this page.	updated (redeployed), or deleted from the domain t	by first selecting the applicat	tion name a	and using the	
Release Configuration	Curre dis dir ens page.					
Domain Structure	To install a new application or module	for deployment to targets in this domain, click the Ir	nstall button.			
cluster_domain B Environment - Deployments	Deployments					
		st x Stop x	Chrowing	1 - 1 of 1	Previous Next	
Services Security Realms Intercover shifts	Install Update Delete Sta		Storing	-	a concentration from the	
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Security Realms 8-Interoperability 8-Diagnostics			Barris	Sec. 1	Deployment	
Security Realms B. Interoporability B. Diagnostics How do I	□ Name ↔ □ @ISRA	et =] 500p =]	State	Type Resource Adapter	Deployment Order	
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The **Release Configuration** button, along with the buttons under **Deployment** section is enabled.

5. Under **Deployments** click **Install** button. The **Install Application Assistant** screen appears:

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thea WEBLOGIC SERV			
Change Center	Welcome, weblogic	Connected to: cluster_domain	Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments > ISRA > Summary of Deploy	yments	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assistant		
Lock 6. Edit	Locate deployment to install and prepare for d	leployment	
Release Configuration	Select the file path that represents the application ro you want to install.	ot directory, archive file, exploded a	archive directory, or application module descriptor that
Domain Structure	Note: Only valid file paths are displayed below. If yo application contains the required displayment descrip		upload your file(s) and/or confirm that your
Brivitorment Deployments Services Services Security Realms Bi-Interoperability Diagnostics	Location: fr-kra \ D: \bea/.0 \ vior_projects \ domai	ins \ cluster_domain \ servers \ Adn	ninServer \ upload
How do I			
Start and stop a deployed Enterprise application Configure an Enterprise application Create a deployment plan Target an Enterprise application to a server Test the modules in an Enterprise			
application			
System Status			
Health of Running Servers			

6. Click the upload your file(s) link. The following screen appears:

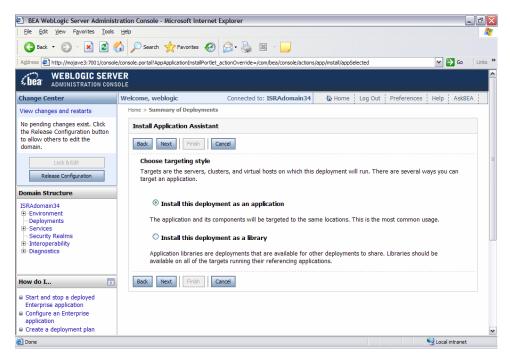
BEA WebLogic Server Administr	ation Console - Mozilla Firefox
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Change Center	Welcome, weblogic Connected to: ISRA341 🚱 Home Log Out Preferences Help AsiSEA
View changes and restarts	Home > PNImageNewer > Summary of Deployments > ISRA > Summary
No pending changes exist. Click	Install Application Assistant
the Release Configuration button to allow others to edit the domain.	Back Next Print Cancel
Lock & Edit	Upload a Deployment to the admin server
Release Configuration	
omain Structure	Click the Browse button below to select an application or module on the machine from which you are currently browsing. When you have located the file, click the Next button to upload this deployment to the Administration Server.
ISRA341 ®-Environment -Deployments Services -Security Realms ®-Interoperability ®-Disgnostics	Deployment Archive: 140.1USRAConsole ead Browse. Upload a deployment plan (this step is optional) A deployment plan is a configuration which can supplement the descriptors included in the deployment archive. A deployment will work which a deployment plan, but you can be load a deployment plan archive now. This deployment plan archive will be a directory of configuration information packaged as a. jar file. See related links for additional information about deployment plans.
łow do I 📧	Deployment Plan Archive: Browse
 Start and stop a deployed Enterprise application Configure an Enterprise application 	Bok Next Print Carel
Create a deployment plan	
 Target an Enterprise application to a server 	
Test the modules in an Enterprise application	
ystem Status 📧	
Health of Running Servers	
Failed (0)	
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Overloaded (0)	
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one	

7. Click Browse to select the ISRAConsole.ear file. The ISRAConsole.ear file is located in sample subdirectory of the ISRA installation directory. For example, if user has installed ISRA in C:\fnsw\ISRA (/fnsw/ISRA on UNIX), the ISRAConsole.ear is located in C:\fnsw\ISRA\sample\ (/fnsw/ISRA/sample on UNIX) directory.

8. Click **Next** to upload the **ISRAConsole.ear** file. The system may take some time to upload the file. The following screen appears:

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Address 🐌 http://mojave3:7001/console	/console.portal?AppApplicationInstallPortlet_actionOverride=/com/bea/console/actions/app/	install/uploadApp 🛛 🖌 🔂 Go 🕴 Links
WEBLOGIC SERV	ER	
Change Center	Welcome, weblogic Connected to: ISRAdomain34	Home Log Out Preferences Help AskBEA
/iew changes and restarts	Home > Summary of Deployments	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Messages The file ISRAConsole.ear has been uploaded successfully to C:\bee \serversi\AdminServer\upload	a\user_projects\domains\ISRAdomain34
Lock & Edit Release Configuration	Install Application Assistant Back Next Friefn Cancel	
Domain Structure	Locate deployment to install and prepare for deployment	
ISRAdomain34 Environment Deployments	Select the file path that represents the application root directory, arch module descriptor that you want to install.	nive file, exploded archive directory, or application
⊕-Services Security Realms ⊕-Interoperability ⊕-Diagnostics	Note: Only valid file paths are displayed below. If you cannot find you confirm that your application contains the required deployment descri Location: mojave3 \ C: \ bea \ user_projects \ domains \ ISRAdomain	iptors.
łow do I	ි ම් FNImageViewer.ear	
Start and stop a deployed	C 🙆 ISRA.rar	* * * * * * * * * * * * * * * * * * * *
Enterprise application Configure an Enterprise	☞ iSRAConsole.ear	
application		

9. Select the radio button corresponding to **ISRAConsole.ear**, and click **Next**. The following screen appears:



10. Select the radio button corresponding to **Install this deployment as an application**, if not selected by default, and click **Next.** The following screen appears:

The second secon	n/console.portaPAppApplicationInstalPortlet_actionOverrid	e=/com/bea/console/actions/app/install/targetStyleSelected	<u></u>	🔹 🖓 Go Links 🍟 👘
Thea WEBLOGIC SE				
hange Center	Welcome, weblogic	Connected to: cluster_domain	Home Log Out Preferences	Holp AskBEA
iew changes and restarts	Home > Summary of Deployments > ISRA > Sum	mary of Deployments		
io pending changes exist. Click he Release Configuration button	Install Application Assistant			
o allow others to edit the Iomain.	Back Next Finish Cancel			
Lock & Edt	Select deployment targets			
Release Configuration	Select the servers and/or clusters to v	which you want to deploy this application. (You can	reconfigure deployment targets later)	6
	Available targets for ISRASample			
omain Structure	Servers			
uster_domain Environment	Survey 9			
-Deployments	- AdminServer			
Services - Security Realms				
Interoperability	Clusters			
8 Diagnostics				
	Cluster-0			
w do I	All servers in the cluster			
	C Part of the cluster			
Start and stop a deployed Enterprise application	E Server-2			
Configure an Enterprise	C Server-1			
application Create a deployment plan	· 38/18/-1			
Target an Enterprise applicatio to a server	Back Next Finish Cancel			
Test the modules in an Enterpr application	ise			
ystem Status	1			
lealth of Running Servers				
0.2 PUT 27 PUT 28 PUT 28 PUT 28 PUT 29 PUT 2				

11. Select the check box corresponding to **Cluster 0**, and click **Next**. The following screen appears:

EA WebLogic Server Administr	ation Console - Microsoft Internet Explorer
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	🎾 🔎 Search 🧙 Favorites 🤣 😥 - 🥁
Address Address http://mojave3:7001/console/	console.portal?AppApplicationInstalPortlet_actionOverride=/com/bea/console/actions/app/install/targetStyleSelected 🛛 🍸 🔂 Go 🛛 Links 🌺
View changes and restarts	Home > Summary of Deployments
No pending changes exist. Click the Release Configuration button	Install Application Assistant
to allow others to edit the domain.	Back Next Finish Cancel
Lock & Edit	Optional Settings
Release Configuration	You can modify these settings or accept the defaults
Domain Structure	General
ISRAdomain34	
Environment	What do you want to name this deployment?
Deployments ITServices	Name: ISRAConsole
-Security Realms	Name: ISRAConsole
Interoperability	
Diagnostics	- Security -
	What security model do you want to use with this application?
How do I	$\ensuremath{\textcircled{\odot}}$ DD Only: Use only roles and policies that are defined in the deployment descriptors.
Start and stop a deployed Enterprise application	O Custom Roles: Use roles that are defined in the Administration Console; use policies that are defined in the
Configure an Enterprise	
application	O Custom Roles and Policies: Use only roles and policies that are defined in the Administration Console.
Create a deployment plan	 custom roles and roles. Ose only roles and policies that are defined in the Administration console.
Target an Enterprise application to a server	igodoldoldoldoldoldoldoldoldoldoldoldoldol
Test the modules in an Enterprise application	- Source accessibility
<	
🙆 Done	S Local intranet

This screen displays the optional settings of the deployed file.

12. Retain the default settings, and click **Next**. The following screen appears:

BEA WebLogic Server Administrat	tion Console - Microsoft Inter	rnet Explorer	_ 7 🗙
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🔇 Back 🝷 🐑 🚽 📓 🏠	🔎 Search travorites	🛛 🔗 🛬 🔟 - 🛄	
Address http://mojave3:7001/console/co	nsole.portal?AppApplicationInstalPo	ortlet_actionOverride=/com/bea/console/actions/app/install/saveIdentity	💌 🛃 Go 🕴 Links 🎇
Lock & Edit Release Configuration	Review your choices a Click Finish to complete t	and click Finish the deployment. This may take a few moments to complete.	·····
Domain Structure	- Additional configura	ation	_
ISRAdomain34 -Environment -Deployments B-Services		cessfully, this application may require additional configuration. Do you want to review ration after completing this assistant?	r this
Security Realms ⊡nteroperability ⊡-Diagnostics		to the deployment's configuration screen.	
	No, I will review	w the configuration later.	
How do I	— Summary —		
Start and stop a deployed Enterprise application	Deployment:	C:\bea\user_projects\domains\ISRAdomain34 \servers\AdminServer\upload\ISRAConsole.ear	=
Configure an Enterprise application	Name:	ISRAConsole	
Target an Enterprise application	Staging mode:	Use the defaults defined by the chosen targets	
to a server Test the modules in an Enterprise	Security Model:	DDOnly: Use only roles and policies that are defined in the deployment descripto	irs.
application	Customize this table		
System Status	Target Summary		
Health of Running Servers			
Failed (0)	Modules 🗞	Targets	~
Done Done			Local intranet

13. Retain the default settings, and click **Finish**. The following screen appears:

	Help		
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		I=AppApplicationOverviewPage&AppApplicationOver	rviewPortlethandle=com.bea.console.handles.a 💌 🎦 Go 🕴 Links
WEBLOGIC SERV			
Loca ADMINISTRATION CONS	DLE		
Change Center	Welcome, weblogic	Connected to: ISRAdomain34	Home Log Out Preferences Help AskBEA
View changes and restarts	Home > Summary of Deployments	> ISRAConsole	
Pending changes exist. They must be activated to take effect.	Settings for ISRAConsole	3	
Activate Changes Undo All Changes	Overview Deployment Pla	n Configuration Security Targets Con	trol Testing Monitoring Notes
ISRAdomain34	Use this name to view the r		
Environment Deployments Services	the application files, the as	and EJBs) that are contained in the Enterpris	able at the end of the page lists the modules
Environment Deployments	the application files, the as (such as Web applications	sociated deployment plan, and so on. The ta and EJBs) that are contained in the Enterpris	able at the end of the page lists the modules
B Environment →Deployments B Services Security Realms B Interoperability B Diagnostics	the application files, the as (such as Web applications module to view and update	sociated deployment plan, and so on. The ta and EJBs) that are contained in the Enterpris its configuration.	able at the end of the page lists the modules se application. Click on the name of the The name of this Enterprise Application. More
⊕ - Environment _ Deployments ⊕ - Services _ Services _ Security Realms ⊕ - Diagnostics ⊕ Wow do I	the application files, the as (such as Web applications module to view and update Name:	sociated deployment plan, and so on. The ta and EJBs) that are contained in the Enterpris its configuration. ISRAConsole C:\ bea\ user_projects\ domains\ ISRAdomain34\.\ servers\	able at the end of the page lists the modules se application. Click on the name of the The name of this Enterprise Application. More Info The path to the source of the deployable unit on
G: Environment - Deployments B: Services - Security Realms B: Interoperability B: Diagnostics How do I ■ Start and stop a deployed	the application files, the as (such as Web applications module to view and update Name: Path:	sociated deployment plan, and so on. The ta and EBs) that are contained in the Enterpris its configuration. ISRAConsole C:\ bea\ user_projects\ domains\ ISRAdomain34\ .\ servers\ AdminServer\ upload\ ISRAConsole. ear	ble at the end of the page lists the modules se application. Click on the name of the The name of this Enterprise Application. More Info The path to the source of the deployable unit on the Administration Server. More Info The path to the deployment plan document on

14. Click **Save**. The successful upload confirmation screen appears:

	ion Console - Microsoft Internet Explorer	- 7
Ele Edit View Favorites Tools H		
	🔎 Search 🤺 Favorites 🤣 😥 - 🧾	
Iddress I http://mojave3:7001/console/co	nsole.portal?_nfpb=true&_pageLabel=AppApplicationOverviewPage&AppAp	
application		Administration Server to the Managed Server's staging area during application preparation. More Info
ealth of Running Servers	Security Model: DDOnly	The security model that is used to secure a deployed module. More Info
Failed (0) Critical (0) Overloaded (0)	Epployment Order: 100	A numerical value that indicates when this unit is deployed, relative to other DeployableUnits on a server, during startup. More Info
Warn (0) OK (1)	Modules and Components	
		Showing 1 - 1 of 1 Previous Next
	Name 🗠	Туре
	□ ISSort table by Name	Enterprise Application
	= EJBs	
	None to display	
	Modules	
	I SRA	Web App
	isRAConsole	Web App
	Web Services	
	None to display	
lone		S local intranet

The system returns to the same page with the message: 'Settings updated successfully' displayed.

15. Click Activate Changes button. The following screen appears:

View changes and restarts Clock the Lock is Edit button to modify, add or cleater terms in the domain. Lock & Edit Release Carlinguation Domain Structure	aP_paget.abel=Home8_nfpb=true mer, weblogic > Sournery of Deployments > 15 ttings for ISRASample verview Deployment.Plan Click the Lock & Edif button les this page to leve the gans souchaid deployment plan, a	toChangeHanaganPartiet_actionOverride=/ActivatoChangeHanaganPartiet_actionOverride=/ActivatoChangeRa > Summary of Deployments > ISRAS-ample Configuration Security Targets Control in the Change Center to modify the settings o arai configuration of an Enterprise application,	r_domain & Hame Log Out Preferences Help AddBEA Testing Monitoring Notes In this page. Such as its name, the physical path to the application files, the the modules (outh as Web applications and EBo) that are
WEBLOGIC SERVER ADMINISTRATION CONSOLE Change Creater View Changes and restarts Click the Lock & Edit button to modify, add or delete terms in this domain. Lock & Edit Release Configuration Oomain Structure Claster_domain Berwironment Desponsets Security Realing Security Realing	ne, weblogic > Summery of Deployments > 15 ttings for ISRASample verview Deployment Plan Click the Lock & Edit button tee this page to view the gene soculated deployment plan, a ontained in the Enterprise app	Connected to: classis RA > Summary of Ceptoyments > ISRASemple Configuration Security Targets Control In the Change Center to modify the settings o aral configuration of an Enterprise application, nd so on. The state at the ord of the page list plication. Click on the name of the module to st	r_domain & Hame Log Out Preferences Help AddBEA Testing Monitoring Notes In this page. such as its name, the physical path to the application files, the the modules (such as Web applications and EBo) that are
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View Changes and restarts // Formodify, add or delete items in this domain.	Sournery of Deployments > 13 trings for ISRASample verview Deployment Plan Click the Lock & Edit button tee this page to view the gene socclubed deployment plan, a ontained in the Enterprise app	RA > Summary of Ceptoyments > ISRASemple Configuration Security Tergets Control in the Change Center to modify the settings o aral configuration of an Enterprise application, and so on. The table at the ord of the page late plicaton. Click on the name of the module to v	Testing Monitoring Notes in this page. such as its name, the physical path to the application files, the site modules (such as Web applications and EBo) that are
Cick the Lock & Edit button to modify, add or delete items in this domain. Lock & Edit Release Carlyaration Comain Structure Custer_domain Cestoryment Serviconment Cestoryments Services Servic	ttings for ISRASample verview Deployment Plan Click the <i>Lock & Edit</i> button tee this page to view the gene soccluted deployment plan, a ontained in the Enterprise app	Configuration Security Targets Control In the Change Center to modify the settings o eral configuration of an Enterprise application, nd so on. The table at the end of the page fai plication. Click on the name of the module to v	n this page. such as its name, the physical path to the application files, the the modules (such as Wite applications and E36s) that are
modify, add or delete items in this domain. Lock & Edit Release Configuration User domain Elever Configuration User domain Elever Configuration User domain Elever Configuration Elever contained to the Service Elever Configuration Elever Contained to the Service Elever Contained to th	Deployment Plan Click the Lock & Edit button les this page to view the gene esociated deployment plan, a ontained in the Enterprise app	In the Change Center to modify the settings o eral configuration of an Enterprise application, nd so on. The table at the end of the page list plication. Click on the name of the module to	n this page. such as its name, the physical path to the application files, the the modules (such as Wite applications and E36s) that are
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Release Configuration U Domain Structure at cluster_domain o Finat commant o Upper structure at Structure at Upper structure at Upper structure at Upper struct	ise this page to view the gene esociated deployment plan, a ontained in the Enterprise app	eral configuration of an Enterprise application, nd so on. The table at the end of the page list plication. Click on the name of the module to v	such as its name, the physical path to the application files, the Is the modules (such as Web applications and EBs) that are
acuster domain do acuster domain domain domain domain doma	ssociated deployment plan, a ontained in the Enterprise app	nd so on. The table at the end of the page list plication. Click on the name of the module to v	is the modules (such as Web applications and EIBs) that are
Deployments H: Services Security Realms B: Interoperability	Name:	ISPASamole	
Bi-Interoperability		the company the	The name of this Enterprise Application. More Info
	Path:	servers\AdminServer\upload\JSRASample	.ear The path to the source of the deployable unit on the Administration Server. More Info
	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Administration Server. More Info
low do I	Staging Mode:	(not specified)	The mode that specifies whether a deployment's files are
i Start and stop a deployed Enterprise application a Configure an Enterprise		,,	copied from a source on the Administration Server to the Managed Server's staging area during application preparation. More Info
application a Create a deployment plan	Security Model:	DDOnly	The security deployment model. More Info
Tanget an Enterprise application to a server Test the modules in an Enterprise application	🖲 Deployment Order:	100	A numerical value that indicates when this unit is deployed, relative to other DeployableUnits on a server, during startup. More Info
System Status	Click the <i>Lock & Edit</i> button	in the Change Center to modify the settings o	n this page.
Health of Running Servers	Modules and Components		

An overview of the deployments made is reflected. The **ISRAConsole.ear** file is successfully deployed.

16. Click **Deployments**. The following screen appears:

		.onsole	- Microsoft Interr	et Explorer						
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Address http://mojave3:7001/consol	e/console.	portal?_	nfpb=true&_pageLabel	=AppDeploymentsControlPage					~	Go Links
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View changes and restarts	Home	e > Sum	mary of Deployments 3	> ISRAConsole > Summary of	Deployments					
Click the Lock & Edit button to modify, add or delete items in this domain.	Su	ımmar	y of Deployments							
Lock & Edit Release Configuration	I	installed	applications and n	J2EE Applications and stand nodules can be started, stop me and using the controls o	ped, updated					
Domain Structure ISRAdomain34 B-Environment Deployments	- 1	Fo insta	5 11	or module for deployment i		this domain, e	click the Insta	all button.		
ISRAdomain34 B-Environment - Deployments B-Services			5 11	5		this domain, a	click the Insta	ill button.		
ISRAdomain34 B=Environment Deployments B=Services Security Realms B=Interoperability			all a new application	or module for deployment i		this domain, o		all button. g 1 - 3 of 3	Previous	Next
ISRAdomain34 B-Environment Deployments B-Services Security Realms		Deploy	all a new application	or module for deployment i		this domain, 4			Previous Deployi Order	
ISRAdomain34 B=Environment Deployments B=Services Security Realms B=Interoperability		Deploy Insta	yments	ete Start - Stop -		this domain, o	Showir	g 1 - 3 of 3	Deploy	
ISRAdomain34 ⊕ Environment → Deployments ⊕ Services → Security Realms ⊕ - Interoperability ⊕ - Diagnostics How do L ■ Install an Enterprise application ■ Configure an Enterprise		Deploy Insta	vments	ete Start - Stop -		this domain, i	Showir State	g 1 - 3 of 3 Type Enterprise	Deployr Order	
ISRAdomain34 Deployments Deployments Services Decountry Realms Decountry Realms		Deploy Insta	ill a new application yments ا Update Def Name ش ا شهر PNImageViev	ete Start - Stop -		this domain, i	Showin State Active	g 1 - 3 of 3 Type Enterprise Application Resource	Deployr Order 100	
ISRAdomain34 ⊕)-Environment → Deployments ⊕)-Services → Security Realms ⊕: Interoperability ⊕-Diagnostics How do L ■ Install an Enterprise application ■ Configure an Enterprise application		Deploy Insta	all a new application yments ا Update Del Name ش ا نابی ایند ا State ا Del ا Update Del ا Del ا Del ا Del ا Del ا Del ا Del I D	ete Start v Stop v		this domain, 4	Showin State Active Active Prepared	g 1 - 3 of 3 Type Enterprise Application Resource Adapter Enterprise	Deployr Order 100 100 100	nent

A summary of deployments is reflected on the screen.

17. Select the check box corresponding to **ISRASample**, and click **Servicing all requests** from the **Start** drop-down button. The **Start Application Assistant** screen appears:

BEA WebLogic Server Administ	tration Console - Microsoft Internet Explorer	PX
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Address Address Address Address Address	le/console.portal?AppGlobalStartPortletreturnTo=AppDeploymentsControlPage&AppDeploymentsControlPortlethandle=com.bea.console.han 🔽 🛃 Go 👘	Links »
WEBLOGIC SERV Administration cons		
Change Center	Welcome, weblogic Connected to: ISRAdomain34 We Home Log Out Preferences Help AskBEA	
View changes and restarts	Home > Summary of Deployments > ISRAConsole > Summary of Deployments	
Click the Lock & Edit button to modify, add or delete items in this domain.	Start Application Assistant	
	Yes No	
Lock & Edit	Start Deployments	
Release Configuration	You have selected the following deployments to be started. Click 'Yes' to continue, or 'No' to cancel.	=
Domain Structure	ISRAConsole	
ISRAdomain34		
Deployments	Yes No	
Services Security Realms		
Interoperability Diagnostics		
Li Diagnostica		
How do I		
No help task found		
System Status		
Health of Running Servers		~
🙆 Done	Second Intranet	

18. Click **Yes** to start the deployment of the **ISRAConsole.ear** file. The **Summary of Deployments** screen appears:

BEA WebLogic Server Administratio	on Co	onsole	- Microsoft Internet Explorer					-	. @ 🛛
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			nfpb=true&_pageLabel=AppDeploymentsControlPage				💌 🔁 (Go	Links
View changes and restarts	nome	> sum	mary or Deployments > ISRAConsole > Summary or Deployments						
Click the Lock & Edit button to modify, add or delete items in this domain.		ssage Sta	s trequests have been sent to the selected Deployments.						
Lock & Edit	Su	mmar	y of Deployments						
Release comparation	C	ontrol	Monitoring						
Domain Structure	-		e displays a list of J2EE Applications and stand-alone application modules that			ار د ال حد	an also dansa		1
ISRAdomain34 @-Environment -Depbyments @-Services -Security Realms @-Interoperability @-Diagnostics	SE	electin	i applications and modules can be started, stopped, updated (redeployed), or g the application name and using the controls on this page. II a new application or module for deployment to targets in this domain, click				num by mor		
	1	Deploy	ments						
		Insta	I Update Delete Stert V Stop V	Showin	g 1 -	3 of 3	Previous Ne	ext	
How do I 💿			Name 🗞	State	тур	е	Deploymer Order	nt	
Configure an Enterprise application			문 ᇕᆲ FNImage Viewer	Active		erprise lication	100		
 Update (redeploy) an Enterprise application Start and stop a deployed 			ig ISRA	Active		ource pter	100		
Enterprise application Monitor the modules of an			표 ᇔISRAConsole	Active		erprise lication	100		
Enterprise application Deploy EJB modules Install a Web application		Insta	I Update Delete Start V Stop V	Showin	g 1 -	3 of 3	Previous Ne	ext	
Done							Second Intra	anet	

The **Status** of the deployed file changes to **Active**. The confirmation message: *'Start requests have been sent to the selected Deployments'* is displayed.

Using the ISRA Console

To access the ISRA Console, follow the steps below:

 Go to the location where the application is available (http://<AppServerName>: <AppServerPort>/<ApplicationContextRoot>)ApplicationContextRoot is ISRAConsole.

For example : http://9.126.94.39:9088/ISRAConsole/

SRA Administration - Mozilla Firefox: IBM Edition		2
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🚑 🔹 🛶 😴 📀 🏠 📄 http://9.126.94.64:9080/ISRAConsole/	💌 🕨 💽 🛛 Google	Q
🔋 IBM Business Transfo 🕒 IBM Standard Softwa 📄 IT Help Central 🧇 Join World Communit 🔭 IBM		
ISRA Administration Consol	e	
JNDI Name. ISCF ISCF1)	
The ISRA Administration console supports IBM Fiderat Image Services Resource Ada (c) 2008 IBM Corporation	pter 3.4 Fix Pack 1 and above.	

2. Enter the JNDI name of the library and click **Submit**.

A page showing the current values configured in the ra.xml is shown along with controls to edit the ISRA logging levels.

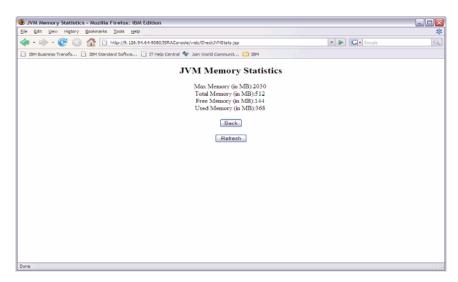
A link has been provided on the page, to access the ISRA Sample Application.

Administration - Mozilla Firefox: IBM Edition	1	
dit View Higtory Bookmarks Tools Help		
🗼 - 🧭 😣 🏠 🗋 http://9.126.94.64:9	080/ISRAConsole/DisplayRAServlet	🔻 🕨 💽 🕶 Google
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16	RA Administratio	an Canaala
15	KA Administratio	on Console
Set ISRA Logging	ISRA Release	Version : ISRA 3.4 Fix Pack 1
 ○ No Logging ○ Warning and Exceptions Logging 	ISCF: Custom	Properties defined in ra.xml
 Information Logging Debug Logging 	Custom Property	Value
C Deoug Logging	IS Domain Name	velocity3
Enable RPC Logging	IS Organisation Name:	IBM
	Product Name	IBM FileNet Image Services Resource Adapter
Change Logging Level	Product Version	ISRA 3.4.0.1 Enterprise
	Cache Refesh Interval (in minutes):	30
	Deployment Instance:	1
View JVM Statistics	Client Code Page:	Cp1252
	Char Set Encoding:	ISO8859_1
	Page Buffer Size (Bytes):	65536
ISRA Sample Application	Log File Name:	ISRA_1_0008.log
	RPC Log File Name:	ISRA_1_0008_RPC log
	RPC Logging Mode:	0

Changes to the logging level settings are applied to ISRA with immediate effect. The changes to logging levels are updated in the properties displayed on the screen.

The changes are valid till the application server is recycled. When the application server is restarted the log level settings specified in the ra.xml are used.

3. The JVM statistics can be used to study the memory usage in the Application Server JVM.



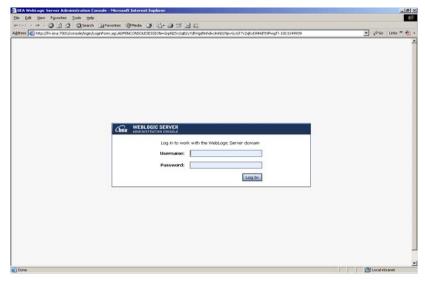
Deploying IBM FileNet Image Viewer in a Standalone Environment

This section describes how to deploy the IBM FileNet Image Viewer. This viewer is used by the ISRA Sample Application to display documents of specific mime types (TIFF, JPEG and BMP). Skip this section, if you do not want the IBM FileNet Image Viewer configured with the ISRA Sample application.

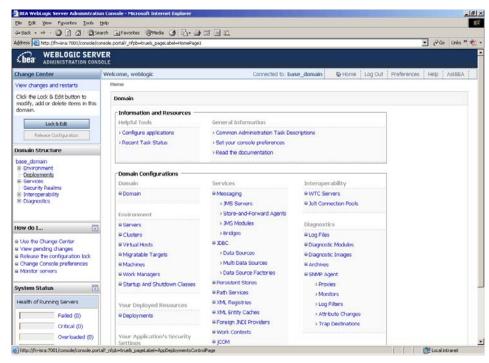
Before deploying IBM FileNet Image Viewer application through the WebLogic Server Administration Console, ensure that the WebLogic Administration Server is running, else, start the Administration as explained in the beginning of <u>Deploying ISRA in a Standalone Environment</u> section.

To deploy IBM FileNet Image Viewer:

1. Start the administrative console. Open a browser window and enter the WebLogic admin console URL http://<hostname>:<portnumber>/console.



2. The WebLogic admin console sign on screen appears. Enter the WebLogic admin **Username** and **Password**. Click **Log In** to access the WebLogic admin console. The following screen appears:



3. Click Deployments. The following screen appears:

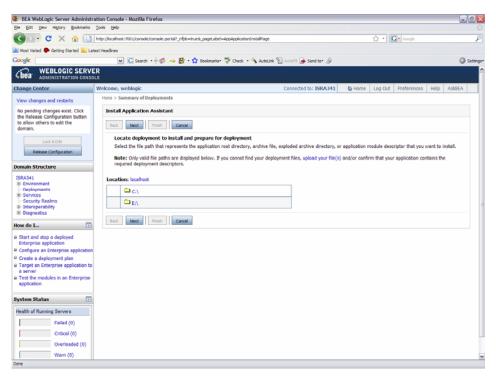
BEA WebLogic Server Administ					6
5le Edit View History Bookmarks	Tools Help				
Sol• C × 🏠 🗋	http://localhost:7001/console/console.portal?_pagel	Label=Home&_nfpb=true&ChangeManagerPortlet_actionOverride=/StopEditAction&ch	angeCenter=Ch 🏠 🔹 🔀	Google	
Most Visited 🇭 Getting Started 칦 La	test Headines				
oogle	M G Search • + 🗇 🔿 🎊 •	😭 Boolomarks* 🖑 Check * 🔦 AutoLink 🕥 AutoFill 🍙 Send to* 🏼			G Set
CO. WEBLOGIC SERV					
LEA ADMINISTRATION CONS					
hange Center	Welcome, weblogic	Connected to: ISRA341	A Home Log Out P	references	Help Ask8EA
View changes and restarts	Home > Summary of Deployments > ISRA > Su	mmary of Deployments > ISRAConsole > Summary of Deployments			
Click the Lock & Edit button to modify, add or delete items in	Summary of Deployments				
this domain.					
Lock & Edit	Control Monitoring				
Release Configuration		cations and standalone application modules that have been installed to th			dules can be
Nelease Contriguration		d), or deleted from the domain by first selecting the application name and	d using the controls on this p	page.	
omain Structure	To install a new application or module	e for deployment to targets in this domain, click the Install button.			
\$RA341					
 Environment Deployments 	Deployments				
 Deployments Services 	Install Update Delete	Start Y Stop Y	Showin	n1-1-011	Previous Next
-Security Realms			2020	91 1011	
 Interoperability Diagnostics 	🗖 Name 🙃		State	Туре	Deployment Order
low do L	II @ISRA		Prepared	Resource Adapter	100
Install an Enterprise application	I B jjaISRAConsole		Prepared	Enterprise Application	100
Configure an Enterprise application Update (redeploy) an Enterprise application		Start V Stop V	Showin		Previous Next
Start and stop a deployed					
Enterprise application Monitor the modules of an					
Enterprise application					
Deploy EJB modules					
Install a Web application					
ystem Status 😨					
Health of Running Servers					
Failed (0)					
Critical (0)					
Overloaded (0)					
Overloaded (0)					

4. Click **Lock and Edit** button to make the console editable. The following screen appears:

	Tools Field						
Sor C 🗙 🏠 🗋	http://localhost: 7001/console/console.portal?_nfpb=tru	e&_pageLabel=AppDeploymentsControlPage	ť	7 • [C]•	Google		
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loogle	M G Search - + @ → 🛐 - 5	🕽 Bookmarks- 💝 Check - 🔦 AutoLink 🗑 AutoFil 🔒 Send to- 🖉				(Set
Chea WEBLOGIC SERV							
hange Center	Welcome, weblogic	Connected to: ISRA341	♦ Home L	og Out P	references	Help AskBE/	x
View changes and restarts	Home > Summary of Deployments > ISRA > Summ	ary of Deployments > ISRAConsole > Summary of Deployments					_
No pending changes exist. Click	Summary of Deployments						
the Release Configuration button to allow others to edit the							
domain.	Control Monitoring						_
Lock & Edit	This name displays a list of 12EE Applicati	ions and standalone application modules that have been installed to th	ic domain Tocta	lad applicat	tions and ma	dulas can ha	
Release Configuration		or deleted from the domain by first selecting the application name and				Junies can be	
Release Configuration	To install a new application or module fo	r deployment to targets in this domain, click the Install button.					
omain Structure							
5RA341	Deployments						
Environment							
Deployments Services	Soctal Lipslate Calete Sta	t V Stap V		Shewin	g 1 - 1 of 1	Previous Next	
-Security Realms	□ Name ↔			-	-	Deployment	
 Interoperability 	🗆 Name 👄			State	Туре	Order	
	I GISRA			Prepared	Resource	100	
a Diagnostics				repored	Adapter		
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iow do I	ISRAConsole			Prepared	Application	100	
install an Enterprise application	ISRAConsole				Application		
ow do I	ISRAConsole	t T _ 500 T			Application	Previous Next	
ow do I Install an Enterprise application Configure an Enterprise applicatio Update (redeploy) an Enterprise application Start and stop a deployed	ISRAConsole	t * Sep *			Application		
ow do I Install an Enterprise application Configure an Enterprise application Update (redeploy) an Enterprise application Start and stop a deployed Enterprise application	ISRAConsole	t 💌 See 💌			Application		
ow do I Install an Enterprise application Configure an Enterprise application Update (redeploy) an Enterprise application Start and stop a deployed Enterprise application	ISRAConsole	tia Smola			Application		
Install an Enterprise application Configure an Enterprise application Update (redeploy) an Enterprise application Start and stop a deployed Enterprise application Monitor the modules of an Enterprise application	ISRAConsole	τ. [*] [Sico.]*			Application		
ow do L. Configure an Enterprise application Configure an Enterprise application Start and stop a deployed Enterprise application Monitor the modules of an Enterprise application Deploy LB modules	ISRAConsole	t 💌 Bee M			Application		
Inverted b.L.	Detail Update Delete See	t 💌 dee 💌			Application		
Instali an Enterprise application Configure an Enterprise application Update (redeploy) an Enterprise application Start and stop a deployed Enterprise application Monitor the modules of an Enterprise application Deploy EIB modules I Instali a Web application	Detail Update Delete See	t V See V			Application		
In the second se	Detail Update Delete See	tia Suo a			Application		
ow do L. Install an Enterprise application Configure an Enterprise application Quarte (redepicy) an Enterprise application Start and stop a deployed Enterprise application Monifor the modules of an Enterprise application Deploy DB modules Install a Web application ystem Status	Detail Update Delete See	t 💌 Zee 💌			Application		

The **Release Configuration** button, along with the buttons under **Deployment** section is enabled.

5. Under **Deployments**, click **Install** button. The **Install Application Assistant** screen appears:



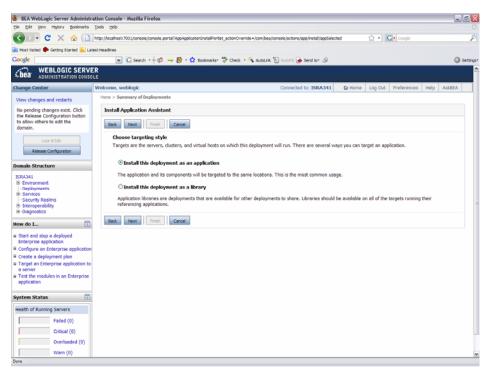
6. Click the **upload your file(s)** link. The following screen appears:

BEA WebLogic Server Administr	ation Console - Mozilla Firefox			. 6 🛛
Ele Edit View History Bookmarks				
🔇 🗔 - C 🗙 🏡 🗋	http://localhost:7001/console/console.portal?AppApplicationInstalli	ortlet_actionOverride=/com/bea/console/actions/app/install/selectUp	ioadiap 🟠 • 💽 Google	P
A Most Visited P Getting Started Started	test Headines			
Google	💌 🖸 Search - 🕂 🦈 🏕 - 🏠 Bookmar	is- 🂝 Check - 🔨 AutoLink 🔟 AutoFil 🍙 Send to- 🖉		Settings
Cea WEBLOGIC SERVE				1
Change Center	Welcome, weblogic	Connected to: ISRA341	Home Log Out Preferences Help	AskBEA
View changes and restarts	Home > Summary of Deployments			
No pending changes exist. Click	Install Application Assistant			
the Release Configuration button to allow others to edit the domain.	Back Next Pinish Cancel			
Lock & Edit	Upload a Deployment to the admin server			
Release Configuration				
Domain Structure	Click the Browse button below to select an ap Next button to upload this deployment to the	plication or module on the machine from which you are cu administration Server.	rrently browsing. When you have located the file, cl	ick the
ISRA341 B: Environment - Deployments B: Services - Security Realms B: Interoperability B: Diagnostics	deployment will work without a deployment p	Browse al) A deployment plan is a configuration which can supplem by bot you can also upload a deployment plan archive no lie. See related links for additional information about deplo	w. This deployment plan archive will be a directory of	
How do L	Deployment Plan Archive:	Browse.		
Start and stop a deployed Enterprise application	Back Next Finish Cancel			
Configure an Enterprise application Create a deployment plan				
Target an Enterprise application to				
a server Generation Test The modules in an Enterprise application				
System Status				
Health of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warn (0)				
Done				

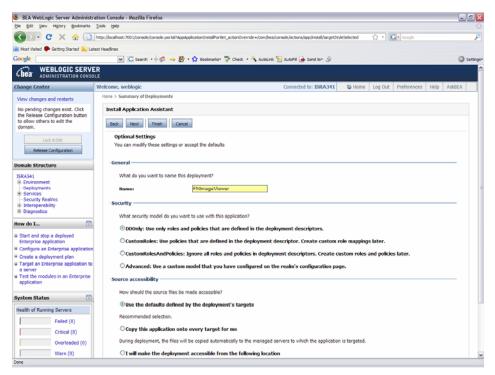
- 7. Click Browse to select the FNImageViewer.ear file. The FNImageViewer.ear file is located in sample subdirectory of the ISRA installation directory. For example, if user has installed ISRA in C:\fnsw\ISRA (/fnsw/ISRA on UNIX), the FNImageViewer.ear is located in C:\fnsw\ISRA\sample\ (/fnsw/ISRA/sample on UNIX) directory.
- 8. Click **Next** to upload the **FNImageViewer.ear** file. The system may take some time to upload the file. The following screen appears:

BEA WebLogic Server Administr			D
je Edit Vjew Higtory Bookmarks			
🌀 Di 🕻 C 🗶 🏠	http://ocalhost:7001/console/console.portal7AppApplicationInstaliPortlet_actionOverride=/com/bea/console/actions/	app/install/uploadApp 🏠 • Google	<i>,</i>
🗟 Most Visited 🌩 Getting Started <u>ର</u> La			
loogle	💌 🖸 Search 🔹 🖗 🥔 🤧 🎊 🕆 🏠 Bookmarks- 💝 Check 🔹 🐔 AutoLink 🐚 AutoPill 🍙	Send to* &	Setting
bea WEBLOGIC SERVI			
change Center	Welcome, weblogic Connected	i to: ISRA341 🕸 Home Log Out Preferences Help As	sk8EA
View changes and restarts	Home > Summary of Deployments		
No pending changes exist. Click	Install Application Assistant		
the Release Configuration button to allow others to edit the domain.	Back Next Finish Cancel		
Lock & Edit	Locate deployment to install and prepare for deployment		
Release Configuration	Select the file path that represents the application root directory, archive file, exploded arc	hive directory, or application module descriptor that you want to insta	
Release contrigui atori	Note: Only valid file paths are displayed below. If you cannot find your deployment files, u	pload your file(s) and/or confirm that your application contains the	
iomain Structure	required deployment descriptors.		
ISRA341	Location: localhost \ C: \ bea \ user_projects \ domains \ ISRA341 \ servers \ AdminServer \	upload	
 Environment Deployments 	🖸 🐇 FhänageViewer.ear		
Services Security Realms	○ Ø ISRA.rar		
 Interoperability Diagnostics 			
	ISRAConsole.ear		
low do L 🗈	ISRASample.ear		
Start and stop a deployed Enterprise application			
Configure an Enterprise application	Dack Next Pinish Cancel		
Create a deployment plan			
Target an Enterprise application to a server			
Test the modules in an Enterprise application			
ystem Status			
Health of Running Servers			
Failed (0)			
Critical (0)			
Overloaded (0)			
Warn (0)			

9. Select the radio button corresponding to **FNImageViewer.ear**, and click **Next**. The following screen appears:



10. Select the radio button corresponding to **Install this deployment as an application**, if not selected by default, and click **Next.** The following screen appears:



This screen displays the optional settings of the deployed file.

11. Retain the default settings, and click Next. The following screen appears:

BEA WebLogic Server Administr	ration Console - Mozilla Firefox						_ B 🗙
Ele Edit View Higtory Bookmarks	Tools Help						0
🕢 🕞 C 🗙 🏠 🗋	http://localhost:7001/console/console.portal?Ag	ppApplicationInstaliPortlet_actionOverride=/com/bea/console/actions/app/instal	l/saveIdentity	☆・	G• Google		۶
Anost Visited P Getting Started 📐 La	test Headines						
Google		😚 • 🏠 Bookmarks• 🖤 Check • 🐴 AutoLink 🐑 AutoFil ឝ Send to	· /4				G Settings*
Change Center	Welcome, weblogic	Connected to: 154		me Log Out	Preferences	Help Aski	1 1
View changes and restarts	Home > Summary of Deployments		-				
No pending changes exist. Click	Install Application Assistant						
the Release Configuration button	Install Application Assistant						
to allow others to edit the domain.	Back Next Finish Ca	ncel					
Lock & Edit	Review your choices and cli	ck Finish					
Release Configuration	Click Finish to complete the dep	oloyment. This may take a few moments to complete.					
Kelesse Configuration							
Domain Structure	Additional configuration						
ISRA341		, this application may require additional configuration. Do you want	to review this ap	plication's config	uration after co	mpleting this	
 Environment Deployments 	assistant?						
IB-Services	Yes, take me to the de	ployment's configuration screen.					
-Security Realms							
Interoperability Diagnostics	No, I will review the co	nfiguration later.					
	Summary						
How do L							
Start and stop a deployed	Deployment:	C:\bea\user_projects\domains\ISRA341\servers\AdminServe	r\upload\FNImage	Viewer.ear			
Enterprise application Configure an Enterprise application	Name:	FNImageViewer					
Create a deployment plan	Staging mode:	Use the defaults defined by the chosen targets					
Target an Enterprise application to a server	Security Model:	DDOnly: Use only roles and policies that are defined in the de	olovment descript	ors.			
# Test the modules in an Enterprise	-						
application	Customize this table						
System Status	Target Summary						
Health of Running Servers	Modules 🗠	Target					
	FNImageViewer	AdminS					
Failed (0)							_
Critical (0)	Back Next Finish Ca	not					
Overloaded (0)	Back Next Finish Ca	nce					
Warn (0)							
OK (1)							
Done	1						~

12. Retain the default settings, and click **Finish**. The following screen appears.

BEA WebLogic Server Administrati				_ 0
Edit View Higtory Bookmarks Is	ools Help			
🕘 🕒 🕶 😋 🕻 🗋 🖻	ttp://localhost:7001/console/console.portal?	nfpb=brue&_pageLabel=AppApplicationOverviewPage&App	ApplicationOverviewPortlethandle=com.bea.con 🏠 🌒 🔀 Google	
Most Visited 🐢 Getting Started 脑 Latest	tHeadines			
ogle	💌 🖸 Search - 🕂 🧔 🛶	🚰 - 🏠 Bookmarks- 💝 Check - 🍝 AutoLink 🐑	AutoFil 🍙 Send to- 🏼	🔘 Set
sust be activated to take effect.				
Activate Changes	Overview Deployment Plan Co	nfiguration Security Targets Control Testing	Monitoring Notes	
Undo All Changes	Save			
nain Structure				
RA341			s its name, the physical path to the application files, the associated	
Environment		table at the end of the page lists the modules (su the module to view and update its configuration.	ch as Web applications and EJBs) that are contained in the Enterprise	
-Deployments -Services				
-Security Realms Interoperability	Name:	FNImageViewer	The name of this Enterprise Application. More Info	
Diagnostics	Path:	C:\bea\user_projects\domains\ISRA341	The path to the source of the deployable unit on the Administrati	an Canada
w do L 🗖	Paul.	\.\servers\AdminServer\upload	More Info	un server.
		\FNImageViewer.ear		
Start and stop a deployed Interprise application	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Administration Se	erver. More
Configure an Enterprise application			Info	
Create a deployment plan	Staging Mode:	(not specified)	The mode that specifies whether a deployment's files are copied	from a
Farget an Enterprise application to a server			source on the Administration Server to the Managed Server's sta during application preparation. More Info	aging area
Test the modules in an Enterprise application			during application preparation. More pro-	
sppication	Security Model:	DDOnly	The security deployment model. More Info	
stem Status 📧	A Deployment Order:	100	A numerical value that indicates when this unit is deployed, relat	ive to other
alth of Running Servers	bepoyment order.	100	DeployableUnits on a server, during startup. More Info	
Failed (0)				
Critical (0)	Save			
Overloaded (0)				
Warn (0)	Modules and Components			
OK (1)	Modules and Components			
			Showing 1 - 1 of 1 Previous N	Next
	Name 🙃		Туре	
	FNImageViewer		Web App	
			Showing 1 - 1 of 1 Previous N	Next

13. Click **Save**. The successful upload confirmation screen appears:

BEA WebLogic Server Administr	ration Console - Mozilla Firefox			. 🗉 🔀
Ele Edit View Higtory Bookmarks	Iools Help			
🔇 🔊 • 😋 🗙 🏠 🗋	http://localhost:7001/console/console.portal?_pa	geLabel=Home&_nfpb=true&ChangeManagerPortlet_ac	tonOverride=/ActivateChangesActionSchangeCe 🏠 🔹 🔀 Coople	P
🚵 Most Visited 🇭 Getting Started 📐 La	test Headlines			
Google	💌 🖸 Search - 🕂 🐗 → 🛃	- 🏠 Bookmarks- 💝 Check - 🐴 AutoLink 🖫	Autofil 🕞 Send to+ 🖉	Settings*
Chear WEBLOGIC SERVI				<u>^</u>
Change Center	Welcome, weblogic		Connected to: ISRA341 & Home Log Out Preferences H	Help AskBEA
View changes and restarts	Home > Summary of Deployments > FNIma	geViewer		
Click the Lock & Edit button to modify, add or delete items in	Settings for FNImageViewer			
this domain.	Overview Deployment Plan Confi	guration Security Targets Control Testin	g Monitoring Notes	
Release Configuration	Click the Lock & Edit button in th	he Change Center to modify the settings on this	page.	
Domain Structure ISRA341 B-Environment —Deployments	deployment plan, and so on. The ta		is its name, the physical path to the application files, the associated ch as Web applications and EiBs) that are contained in the Enterprise	
Services Security Realms Security Realms Security Realms	Name:	FNImageViewer	The name of this Enterprise Application. More Into	-
B-Diagnostics	Path:	C:\bea\user_projects\domains\ISRA341 \.\servers\AdminServer\upload \FNImageViewer.ear	The path to the source of the deployable unit on the Administrat More Info	oon Server.
Start and stop a deployed Enterprise application Configure an Enterprise application	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Administration Se Info	erver. More
Create a deployment plan Target an Enterprise application to a server	Staging Mode:	(not specified)	The mode that specifies whether a deployment's files are copier source on the Administration Server to the Managed Server's st during application preparation. More Info	
Test the modules in an Enterprise application	Security Model:	DDOnly	The security deployment model. More Info	
System Status	👰 Deployment Order:	100	A numerical value that indicates when this unit is deployed, rela DeployableUnits on a server, during startup. More Info	tive to other
Health of Running Servers				
Failed (0) Critical (0)	Click the Lock & Edit button in th	e Change Center to modify the settings on this	page.	
Overloaded (0) Warn (0)	Modules and Components			
08/02				~
Done				

The system returns to the same page with the message: 'Settings updated successfully' displayed.

14. Click Activate Changes button. The following screen appears:

e Edit Vew History Bookmarks	ration Console - Mozilla Firefox			_ 0
		_pageLabel=Home&_nfpb=true&ChangeManagerPortlet_act	onOverride=/ActivateChangesAction8changeCe 🏠 • 🔀 • Google	
Most Visited P Getting Started 🔝 La				
sogle	💌 🖸 Search 🛛 🖗 🤿	📓 - 🏠 Bookmarks- 💝 Check - 🔦 AutoLink 🗑	lutoPil 👍 Send to* 🖉	Sett
bea ADMINISTRATION CONST				
ange Center	Welcome, weblogic	c	Connected to: ISRA341 & Home Log Out Preferences Help A	AskBEA
iew changes and restarts	Home > Summary of Deployments > FND	mageViewer		
lick the Lock & Edit button to	Settings for FillmageViewer			
iodify, add or delete items in his domain.				
	Overview Deployment Plan C	onfiguration Security Targets Control Testing	Monitoring Notes	_
Lock & Edit	Click the Lock & Edit button i	n the Change Center to modify the settings on this	sage.	
Release Configuration				
main Structure	Lise this name to view the nemer-	al configuration of an Enterprise application, such as	s its name, the physical path to the application files, the associated	
RA341	deployment plan, and so on. The	a table at the end of the page lists the modules (sur	h as Web applications and EJBs) that are contained in the Enterprise	
Environment Deployments	application. Click on the name of	f the module to view and update its configuration.		
Services Security Realms	Name:	FNImageViewer	The name of this Enterprise Application. More Info	
Interoperability				
Diagnostics	Path:	C:\bea\user_projects\domains\ISRA341 \.\servers\AdminServer\upload	The path to the source of the deployable unit on the Administration Serv More Info	Jer.
w do L 🔃		\FNImageViewer.ear		
Start and stop a deployed	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Administration Server. M	ore
Interprise application Configure an Enterprise application			Info	
Create a deployment plan	Staging Mode:	(not specified)	The mode that specifies whether a deployment's files are copied from a	
Target an Enterprise application to a server			source on the Administration Server to the Managed Server's staging ar during application preparation. More Info	ea
lest the modules in an Enterprise	6 - N - H - L - L			
pplication	Security Model:	DDOnly	The security deployment model. More Info	
stem Status 🔯	Æ Deployment Order:	100	A numerical value that indicates when this unit is deployed, relative to o DeployableUnits on a server, during startup. More info	ther
alth of Running Servers			Deproyable of the server, during startup. More and	
Failed (0)				
Critical (0)	Click the Lock & Edit button i	n the Change Center to modify the settings on this	page.	
Overloaded (0)				
Warn (0)	Modules and Components			

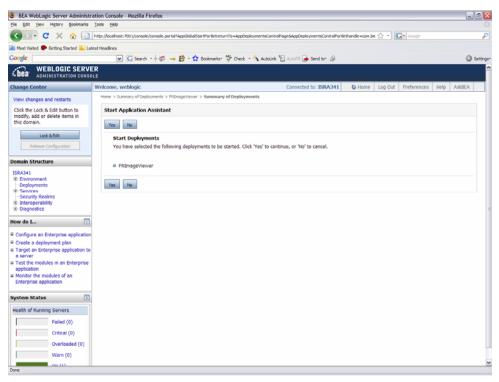
An overview of the deployments made is reflected. The **FNImageViewer.ear** file is successfully deployed.

15. Click Deployments. The following screen appears;

BEA WebLogic Server Administr	ation Console - Mozilla Firefox			. 8 🗙
Ele Edit View Higtory Bookmarks	Jools Help			
🔇 >>- C 🗙 🏠 🗋	http://localhost:7001/console/console.portal?_nfpb=true8_pageLabel=AppDeploymentsControPage	습 • 🖸	Google	P
🚵 Most Visited 🌪 Getting Started 脑 Lat	test Headines			
Google	💌 🖸 Search • 🕂 🧔 🛶 🐉 • 🏠 Bookmarks• 💝 Check • 🐴 AutoLink 🖫 AutoFil 🍙 Send to• 🏼			G Settings*
Chea WEBLOGIC SERVE				^
Change Center	Welcome, weblogic Connected to: ISRA341	Home Log Out P	references Help Ask88	EA
View changes and restarts	Home > Summary of Deployments > FN0mageViewer > Summary of Deployments			
Click the Lock & Edit button to modify, add or delete items in	Summary of Deployments			
this domain.	Centrel Monitoring			_
Lock & Edit Release Configuration	This page displays a list of J2EE Applications and standalone application modules that have been installed to this started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and i			
Domain Structure	To install a new application or module for deployment to targets in this domain, click the Install button.		-	
ISRA341				
B-Environment	Deployments			
Deployments Services	Soctal Ispelate Palate Start X Stop X	Showin	ng 1 - 1 of 1 Previous Next	
-Security Realms Interoperability	Servicing all requests		Deployment	1
Diagnostics	Name Servicing only administration requests	State	Type Order	
How do L	B FNImageViewer	Prepared	Enterprise Application 100	
 Install an Enterprise application Configure an Enterprise application 	C @ISRA	Prepared	Resource Adapter 100	
 Update (redeploy) an Enterprise application Start and stop a deployed 	ت SRAConsole التي 38 الم	Prepared	Enterprise Application	
Enterprise application Monitor the modules of an	Irotal Update Delete Start V Stop V	Showin	ng 1 - 1 of 1 Previous Next	Ł
Enterprise application				
Deploy EJB modules Install a Web application				
System Status				
Health of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Done				

A summary of deployments is reflected on the screen.

16. Select the check box corresponding to **FNImageViewer**, and click **Servicing all requests** from the **Start** drop-down button. The **Start Application Assistant** screen appears:



17. Click **Yes** to start the deployment of the **FNImageViewer.ear** file. The **Summary of Deployments** screen appears:

He Edit View History Bookmarks	Tools Help			
	http://ocalhost:7001/console/console.portal?_nfpb=true8_pageLabel=AppDeploymentsControlPage	÷.	G . Google	
		ы	CO I MARK	
Most Visited P Getting Started 🔊 Lat				-
Google	💌 💽 Search - 🖟 🧔 👄 🎒 - 🏠 Bookmarks- 🂝 Check - 🔦 AutoLink 🖺 AutoFil 🍙 Senc	d to* 🌽		0
Chea WEBLOGIC SERVE				
hange Center	Welcome, weblogic Connected to: 1	ISRA341 & Home Log Ou	t Preferences	Help AskBEA
View changes and restarts	Home > Summary of Deployments > FNImageViewer > Summary of Deployments			
Click the Lock & Edit button to	Messages			
modify, add or delete items in this domain.				
	Start requests have been sent to the selected Deployments.			
Lock & Edit	Summary of Deployments			
Release Configuration				
omain Structure	Control Monitoring			
-Deployments IE-Services	started, stopped, updated (redeployed), or deleted from the domain by first selecting the applicati To install a new application or module for deployment to targets in this domain, click the Install by			ooules can be
R-Services —Security Realms B-Interoperability B-Diagnostics	started, stopped, updated (redeployed), or deleted from the domain by first selecting the application	ion name and using the controls or utton.	this page.	
Coployments Senvices Security Realms Diagnostics tow do L T	startied, stopped, updated (redeployed), or deleted from the domain by first selecting the applicat To install a new application or module for deployment to tarsets in this domain, click the Install by Deployments Denal Update Celete Start W Stop W I name &	ion name and using the controls or utton.	this page.	
- Deployments - Services - Security Realms - Security Realms - Deployments - Deploy	startied, stopped, updated (redeployed), or deleted from the domain by first selecting the applicat To install a new application or module for deployment to tarsets in this domain, click the Install by Deployments Denal Update Celete Start W Stop W I name &	ion name and using the controls or utton.	howing 1 - 1 of 1	Previous Next Deployment Order
Depkyments Senices Security Realms Security Realms Interoperability Install an Enterprise application Update (redeploy) an Enterprise application Start and stop a deployed Enterprise application	startiad, stoppiad, updated (redeployed), or deleted from the domain by first selecting the applicati To install a new application or module for deployment to targets in this domain, click the Install by Deployments Detail Update Celete Start W Stop W Rame &	stand using the controls of standard standa	howing 1 - 1 of 1 Ite Type Enterprise	Previous Next Deployment Order
I → Depbyments I→ Senzias I→ Senzias I→ Senziaty Realms I→ Senziaty Realms I→ Disprostics teow do L. I of Configure on Enterprise application I update (redeploy) on Enterprise application I Start and stop a deployed Enterprise application I Montor the modules of an Enterprise application	startied, stopped, updated (redeployed), or deleted from the domain by first selecting the applicat To install a new application or module for deployment to tarsets in this domain, click the install by Deployments Decision Colette Start W Stop W Rame & W grfWangeViewer	ion name and using the controls of attention.	howing 1 - 1 of 1 tte Type Application Resource	Previous Next Deployment Order 1 100 100
Poppyments Sentres	startied, stopped, updated (redeployed), or deleted from the domain by first selecting the applicat To install a new application or module for deployment to tarsets in this domain, click the Install by Deployments Install Lipcate Creter Start W Stop W Rame & Start W Stop W Stop W Start W Stop W Stop W	ion name and using the controls or atton. Student Stud	this page. howing 1 - 1 of 1 ite Type Enterprise Application pared Adoptic Enterprise Application	Previous Next Deployment Order 1 100 100
DepAyments Services	startied, stopped, updated (redeployed), or deleted from the domain by first selecting the applicat To install a new application or module for deployment to tarsets in this domain, click the Install by Deployments Install Lipdam Restall Install Start BiggstStAconsole	ion name and using the controls or atton. Student Stud	this page. howing 1 - 1 of 1 ite Type Enterprise Application pared Adoptic Enterprise Application	Previous Next Deployment Order 100 100
Dephyments Services	startied, stopped, updated (redeployed), or deleted from the domain by first selecting the applicat To install a new application or module for deployment to tarsets in this domain, click the Install by Deployments Install Lipdam Restall Install Start BiggstStAconsole	ion name and using the controls or atton. Student Stud	this page. howing 1 - 1 of 1 ite Type Enterprise Application pared Adoptic Enterprise Application	Previous Next Deployment Order 100 100
Cophyments Services	startied, stopped, updated (redeployed), or deleted from the domain by first selecting the applicat To install a new application or module for deployment to tarsets in this domain, click the Install by Deployments Install Lipdam Restall Install Start BiggstStAconsole	ion name and using the controls or atton. Student Stud	this page. howing 1 - 1 of 1 ite Type Enterprise Application pared Adoptic Enterprise Application	Previous Next Deployment Order 100 100
Coppyments Services	startied, stopped, updated (redeployed), or deleted from the domain by first selecting the applicat To install a new application or module for deployment to tarsets in this domain, click the Install by Deployments Install Lipdam Restall Install Start BiggstStAconsole	ion name and using the controls or atton. Student Stud	this page. howing 1 - 1 of 1 ite Type Enterprise Application pared Adoptic Enterprise Application	Previous Next Deployment Order 100 100
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The **Status** of the deployed file changes to **Active**. The confirmation message: *'Start requests have been sent to the selected Deployments'* is displayed.

Deploying IBM FileNet Image Viewer in a Clustered Environment

This section describes how to deploy the IBM FileNet Image Viewer on a clustered environment. This viewer is used by the ISRA Sample Application to display documents of specific mime types (TIFF, JPEG and BMP). Skip this section, if you do not want the IBM FileNet Image Viewer configured with the ISRA Sample application.

Before deploying IBM FileNet Image Viewer application through the WebLogic Server Administration Console, ensure that the WebLogic Administration Server is running, else, start the Administration as explained in the beginning of <u>Deploying ISRA</u> section.

To deploy IBM FileNet Image Viewer:

1. Start the administrative console. Open a browser window and enter the WebLogic admin console URL http://<hostname>:<portnumber>/console.

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	Log in to work with the WebLogic Server domain		
	Username:		
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	Password:		
	Log In		

2. The WebLogic admin console sign on screen appears. Enter the WebLogic admin **Username** and **Password**. Click **Log In** to access the WebLogic admin console. The following screen appears:

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Release Configuration	Configure applications	Common Administration Task Des	scriptions	
Domain Structure	Recent Task Status	Set your console preferences		
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a Monitor servers	W Work Managers	Data Source Factories	# SMMP Agent	
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Health of Running Servers	Your Deployed Resources	# XML Registries	> Log Filters	
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Overloaded (0)	Your Application's Security Settings	# KOM		

3. Click **Deployments**. The following screen appears:

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Start and stop a deployed						
Enterprise application Monitor the modules of an						
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4. Click **Lock and Edit** button to make the console editable. The following screen appears:

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The **Release Configuration** button, along with the buttons under **Deployment** section is enabled.

5. Under **Deployments** click **Install** button. The **Install Application Assistant** screen appears:

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he Release Configuration button allow others to edit the				
omain.	Back Next Finish Cancel			
Lock & Edit	Locate deployment to install and prepare for			
Release Configuration	Select the file path that represents the application	n root directory, archive file, exploded archive directory, or	application module descriptor that you want to in	stall.
and a second second second		f you cannot find your deployment files, upload your file(s)	and/or confirm that your application contains the	
nain Structure	required deployment descriptors.			
RA341	Location: localhost			
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Start and stop a deployed				
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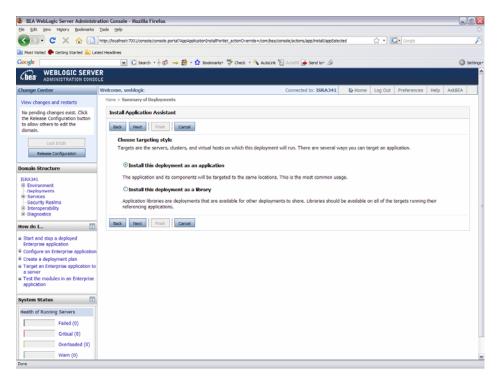
6. Click the upload your file(s) link. The following screen appears:

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Change Center	Welcome, weblogic	Connected to: ISRA341 🔯 H	iome Log Out Preferences Hel	p AskBEA
View changes and restarts	Home > Summary of Deployments			
No pending changes exist. Click	Install Application Assistant			
the Release Configuration button to allow others to edit the				
domain.	Back Next Finish Cancel			
Lock & Edit	Upload a Deployment to the admin	server		
Release Configuration				
	Click the Browse button below to sele	ct an application or module on the machine from which you are currently b	rowsing. When you have located the fil	e, click the
Domain Structure	Next button to upload this deployment			
ISRA341 R-Environment	Deployment Archive:	Browse.		
Deployments Services				
-Security Realms		s optional) A deployment plan is a configuration which can supplement the yment plan, but you can also upload a deployment plan archive now. This o		
 Interoperability Diagnostics 	configuration information packaged as	s a .jar file. See related links for additional information about deployment p	Nans.	
How do L	Deployment Plan Archive:	Browse		
Start and stop a deployed Enterprise application	Back Next Finish Cancel			
Configure an Enterprise application				
Create a deployment plan				
Target an Enterprise application to a server				
Test the modules in an Enterprise application				
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System Status				
Health of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Warn (0)				
Done				

7. Click Browse to select the FNImageViewer.ear file. The FNImageViewer.ear file is located in sample subdirectory of the ISRA installation directory. For example, if user has installed ISRA in C:\fnsw\ISRA (/fnsw/ISRA on UNIX), the FNImageViewer.ear is located in C:/fnsw/ISRA/sample/ (/fnsw/ISRA/sample on UNIX) directory. 8. Click **Next** to upload the **FNImageViewer.ear** file. The system may take some time to upload the file. The following screen appears:

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Change Center	Welcome, weblogic Connected to: ISRA341 & Home Log Out Preferences Help AskBEA	
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Lock & Edit	Locate deployment to install and prepare for deployment Select the file path that represents the application root directory, archive file, exploded archive directory, or application module descriptor that you want to install.	
Release Configuration	Note: Only valid file paths are displayed below. If you cannot find your deployment files, upload your file(s) and/or confirm that your application contains the	
Domain Structure	required deployment descriptors.	
ISRA341 B-Environment - Deployments	Location: localhost \ C: \ bea \ user_projects \ domains \ ISRA341 \ servers \ AdminServer \ upload	
B-Services	C BarbangeViewer.eor	
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Diagnostics	0 Jin ISRAConsole.ear	
How do L	○ 🖉 ISRASample.ear	
Start and stop a deployed Enterprise application Configure an Enterprise application	Itod: Next Print Cancel	
Create a deployment plan		
Target an Enterprise application to a server	3	
# Test the modules in an Enterprise		
application		
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
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Warn (0)		¥
Done		

9. Select the radio button corresponding to **FNImageViewer.ear**, and click **Next**. The following screen appears:



10. Select the radio button corresponding to **Install this deployment as an application**, if not selected by default, and click **Next.** The following screen appears:

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Change Center	Welcome, weblogic	Connected to: cluster_domain	A Home Log Out Preferences	Help As	KBEA
View changes and restarts	Home > Summary of Deployments > ISRA > Sur	mmary of Deployments > ISRASample > Summary of Deployments	oyments		
No pending changes exist. Click the Release Configuration button to allow others to edit the domain.	Install Application Assistant Back Next Freish Cancel				
Lock & Edit Release Configuration	Select deployment targets Select the servers and/or clusters to Available targets for FNImageViewer	which you want to deploy this application. (You can	reconfigure deployment targets later)	•	
Domain Structure					
cluster_domain B Environment Deployments Services Security Realms	Servers				
Diagnostics	Clusters				
How do I	Cluster-0 All servers in the cluster Part of the cluster				
Start and stop a deployed Enterprise application Configure an Enterprise	Server-2				
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Target an Enterprise application to a server	Back Next Finish Cancel				
Test the modules in an Enterprise application					
System Status					
Health of Running Servers					
Done				Local intrar	

11. Select the check box corresponding to **Cluster 0**, and click **Next**. The following screen appears:

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Change Center	Welcome, weblogic Connected to: ISRA341 & Home Log Out Preferences Help AskBEA	1
View changes and restarts	Hone > Summary of Deployments	1
No pending changes exist. Click	Install Application Assistant	1
the Release Configuration button to allow others to edit the domain.	Back Next Fresh Cancel	
Lock & Edit Release Configuration	Optional Settings You can modify these settings or accept the defaults	
Domain Structure	General	1
ISRA341 ®-Environment Deployments	What do you want to name this deployment? Rame: FNImogoViewer	
B-Services Security Realms		1
 Interoperability Diagnostics 	security	1
How do L.,	What security model do you want to use with this application?	1
	ODOnly: Use only roles and policies that are defined in the deployment descriptors.	1
Start and stop a deployed Enterprise application	O CustomRoles: Use policies that are defined in the deployment descriptor. Create custom role mappings later.	1
Configure an Enterprise application	OcustomRolesAndPolicies: Ignore all roles and policies in deployment descriptors. Create custom roles and policies later.	1
 Create a deployment plan Target an Enterprise application to a server 	OAdvanced: Use a custom model that you have configured on the realm's configuration page.	l
 a server Test the modules in an Enterprise application 	Source accessibility	l
	How should the source files be made accessible?	l
System Status	\odot Use the defaults defined by the deployment's targets	
Health of Running Servers	Recommended selection.	
Failed (0)		
Critical (0)	○ Copy this application onto every target for me	
Overloaded (0)	During deployment, the files will be copied automatically to the managed servers to which the application is targeted.	
Warn (0)	OI will make the deployment accessible from the following location	~
Date		

This screen displays the optional settings of the deployed file.

12. Retain the default settings, and click **Next**. The following screen appears:

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Change Center	Welcome, weblogic	Connected to	: ISRA341 & Home	Log Out Preferences Help	AskBEA
View changes and restarts	Home > Summary of Deployments				
No pending changes exist. Click the Release Configuration button	Install Application Assistant				
to allow others to edit the domain.	Back Next Finish Ca	ncel			
Lock & Edit Release Configuration	Review your choices and cli Click Finish to complete the dep	ck Finish loyment. This may take a few moments to complete.			
Domain Structure	Additional configuration				- 11
ISRA341 B-Environment - Deployments B-Services - Security Realms B-Interoperability B-Diagnostics	assistant?	this application may require additional configuration. Do you i ployment's configuration screen. ifiguration later.	want to review this applica	ation's configuration after completing	this
How do I	Summary				- 1
Start and stop a deployed	Deployment:	C:\bea\user_projects\domains\ISRA341\servers\AdminS	erver\upload\FNImageVie	wer.ear	
Enterprise application	Name:	FNImageViewer			
Create a deployment plan	Staging mode:	Use the defaults defined by the chosen targets			
Target an Enterprise application to a server	Security Model:	DDOnly: Use only roles and policies that are defined in th	e deployment descriptors.		
Test the modules in an Enterprise application	P Customize this table				
System Status	Target Summary				
		-			
Health of Running Servers	Modules 🙃		rgets		
Failed (0)	FNImageViewer	Adr	ninServer		
Critical (0)					
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Warn (0)					
OK (1)					
Done					~
Done					

13. Retain the default settings, and click **Finish**. The following screen appears:

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must be activated to take effect.				
Activate Changes Undo All Changes	Overview Deployment Plan Co Save	nfiguration Security Targets Control Testing	Monitoring Notes	
Domain Structure ISRA341 B: Environment Deployments B:-Services	deployment plan, and so on. The		its name, the physical path to the application files, the associated h as Web applications and EJBs) that are contained in the Enterprise	
Security Realms	Name:	FNImageViewer	The name of this Enterprise Application. More Info	
Diagnostics How do L	Path:	C:\bea\user_projects\domains\ISRA341 \servers\AdminServer\upload \FNImageViewer.ear	The path to the source of the deployable unit on the Administration $\ensuremath{More\ Info}$	Server.
Start and stop a deployed Enterprise application Configure an Enterprise application	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Administration Serve	r. More
Create a deployment plan Target an Enterprise application to a server Test the modules in an Enterprise	Staging Mode:	(not specified)	The mode that specifies whether a deployment's files are copied fro source on the Administration Server to the Managed Server's stagin during application preparation. More Info	
application	Security Model:	DDOnly	The security deployment model. More Info	
System Status Health of Running Servers	🚑 Deployment Order:	100	A numerical value that indicates when this unit is deployed, relative DeployableUnits on a server, during startup. More Info	to other
Failed (0) Critical (0) Overloaded (0) Warn (0)	Save			
OK (1)	Modules and Components			
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	Name 🙃		Туре	
	FNImageViewer		Web App	
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Done				

14. Click **Save**. The successful upload confirmation screen appears:

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Change Center	Welcome, weblogic		Connected to: ISRA341 & Home Log Out Preferences H	Help AskBEA
View changes and restarts	Home > Summary of Deployments > FNIma	geViewer		
Click the Lock & Edit button to modify, add or delete items in	Settings for FNImageViewer			
this domain.	Overview Deployment Plan Confi	guration Security Targets Control Testin	g Monitoring Notes	
Release Configuration	Click the Lock & Edit button in th	he Change Center to modify the settings on this	page.	
Domain Structure ISRA341 B-Environment —Deployments	deployment plan, and so on. The ta		is its name, the physical path to the application files, the associated ch as Web applications and EiBs) that are contained in the Enterprise	
Services Security Realms Security Realms Security Realms	Name:	FNImageViewer	The name of this Enterprise Application. More Into	-
B-Diagnostics	Path:	C:\bea\user_projects\domains\ISRA341 \.\servers\AdminServer\upload \FNImageViewer.ear	The path to the source of the deployable unit on the Administrat More Info	oon Server.
Start and stop a deployed Enterprise application Configure an Enterprise application	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Administration Se Info	erver. More
Create a deployment plan Target an Enterprise application to a server	Staging Mode:	(not specified)	The mode that specifies whether a deployment's files are copier source on the Administration Server to the Managed Server's st during application preparation. More Info	
Test the modules in an Enterprise application	Security Model:	DDOnly	The security deployment model. More Info	
System Status	👰 Deployment Order:	100	A numerical value that indicates when this unit is deployed, rela DeployableUnits on a server, during startup. More Info	tive to other
Health of Running Servers				
Failed (0) Critical (0)	Click the Lock & Edit button in th	te Change Center to modify the settings on this	page.	
Overloaded (0) Warn (0)	Modules and Components			
08/02				~
Done				

The system returns to the same page with the message: 'Settings updated successfully' displayed.

15. Click Activate Changes button. The following screen appears:

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le Edit Vew Higtory Bookmarks					
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hange Center	Welcome, weblogic	0	Connected to: ISRA341 🚯 Home Log Out Preferences Help	AskBEA	
View changes and restarts	Home > Summary of Deployments > FNIn	nageViewer			
Click the Lock & Edit button to	Settings for FillmageViewer				
modify, add or delete items in this domain.					
	Overview Deployment Plan Co	onfiguration Security Targets Control Testing	Monitoring Notes		
Look & Edit Release Configuration	Click the Lock & Edit button in	n the Change Center to modify the settings on this	xage.		
omain Structure					
SRA341 Environment Deployments	Use this page to view the general configuration of an Enterprise application, such as its name, the physical path to the application files, the associated deployment play, and yoo. This table at the end of the page lists the modules (such as Web applications and EBS) that are contained in the Enterprise application. Click on the name of the module to view and update its configuration.				
Services Security Realms Interoperability	Name:	FNImageViewer	The name of this Enterprise Application. More Into		
meroperability Diagnostics ow do L	Path:	C:\bea\user_projects\domains\ISRA341 \servers\AdminServer\upload \FNImageViewer.ear	The path to the source of the deployable unit on the Administration S More Info	erver.	
Start and stop a deployed Enterprise application Configure an Enterprise application	Deployment Plan:	(no plan specified)	The path to the deployment plan document on Administration Server. Info	More	
Create a deployment plan Target an Enterprise application to a server	Staging Mode:	(not specified)	The mode that specifies whether a deployment's files are copied from source on the Administration Server to the Managed Server's staging during application preparation. More Info		
Test the modules in an Enterprise application	Security Model:	DDOnly	The security deployment model. More Info		
/stem Status	Deployment Order:	100	A numerical value that indicates when this unit is deployed, relative to DeployableUnits on a server, during startup. More Info	o other	
tealth of Running Servers					
Failed (0) Critical (0)	Click the Lock & Edit button in	n the Change Center to modify the settings on this p	age.		
Overloaded (0) Warn (0)	Modules and Components				
Hum (o)	modules and components				

An overview of the deployments made is reflected. The **FNImageViewer.ear** file is successfully deployed.

16. Click **Deployments**. The following screen appears:

BEA WebLogic Server Administr	ation Console - Mozilla Firefox			. 8 🗙
Ele Edit View Higtory Bookmarks	Jools Help			
🔇 >>- C 🗙 🏠 🗋	http://localhost:7001/console/console.portal?_nfpb=true8_pageLabel=AppDeploymentsControPage	습 • 🖸	Google	P
🚵 Most Visited 🌪 Getting Started 脑 Lat	test Headines			
Google	💌 🖸 Search • 🕂 🧔 🛶 🐉 • 🏠 Bookmarks• 💝 Check • 🐴 AutoLink 🖫 AutoFil 🍙 Send to• 🏼			Settings*
Chea WEBLOGIC SERVE				^
Change Center	Welcome, weblogic Connected to: ISRA341	Home Log Out P	references Help Ask88	EA
View changes and restarts	Home > Summary of Deployments > FN0mageViewer > Summary of Deployments			
Click the Lock & Edit button to modify, add or delete items in	Summary of Deployments			
this domain.	Centrel Monitoring			_
Lock & Edit Release Configuration	This page displays a list of J2EE Applications and standalone application modules that have been installed to this started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and i			
Domain Structure	To install a new application or module for deployment to targets in this domain, click the Install button.		-	
ISRA341				
B-Environment	Deployments			
Deployments Services	Soctal Ispelate Palate Start X Stop X	Showin	ng 1 - 1 of 1 Previous Next	
-Security Realms Interoperability	Servicing all requests		Deployment	1
Diagnostics	Name Servicing only administration requests	State	Type Order	
How do L	B FNImageViewer	Prepared	Enterprise Application	
 Install an Enterprise application Configure an Enterprise application 	C @ISRA	Prepared	Resource Adapter 100	
 Update (redeploy) an Enterprise application Start and stop a deployed 	ت SRAConsole التي 38 ه	Prepared	Enterprise Application	
Enterprise application Monitor the modules of an	Irotal Update Delete Start V Stop V	Showin	ng 1 - 1 of 1 Previous Next	Ł
Enterprise application				
Deploy EJB modules Install a Web application				
System Status				
Health of Running Servers				
Failed (0)				
Critical (0)				
Overloaded (0)				
Done				

A summary of deployments is reflected on the screen.

17. Select the check box corresponding to **FNImageViewer**, and click **Servicing all requests** from the **Start** drop-down button. The **Start Application Assistant** screen appears:

😉 BEA WebLogic Server Administr	stration Console - Mozilla Firefox	ð 🗙
Ele Edit View Higtory Bookmarks	a Ioola Help	ं
🔇 🔄 - C 🗙 🏠 🚺] http://acahost: 7001/console/console.portal?AppGlobalStartPortletreturnTo=AppDeploymentsControlPage&AppDeploymentsControlPartlethandle=com.be 🏠 + 🛛 🔀 +	P
🚵 Most Visited 🕐 Getting Started 칦 La	Latest Headines	
Google	💌 🖸 Search - 🕴 🔊 🛶 😫 - 🏠 Boolmarks- 🌮 Check - 🔨 AutoLink 🔞 AutoPill 🍙 Send to- 🖉	ettings≁
Chear WEBLOGIC SERVE		î
Change Center	Welcome, weblogic Connected to: ISRA341 & Home Log Out Preferences Help Asi8EA	
View changes and restarts	Home > Summary of Deployments > FlümageViewer > Summary of Deployments	
Click the Lock & Edit button to	Start Application Assistant	
modify, add or delete items in this domain.	Yes No	
Lock & Edit Release Configuration	Start Deployments You have selected the following deployments to be started. Click 'Yes' to continue, or 'No' to cancel.	
Domain Structure	FRImageViewer	
ISRA341 B-Environment Deployments P-Services -Security Realms B-Interoperability	Yes No.	
Diagnostics How do L	a	
Configure an Enterprise application Create a deployment plan Target an Enterprise application to a server Test the modules in an Enterprise application Monitor the modules of an Enterprise application	to	
System Status		
Health of Running Servers		
Failed (0)		
Critical (0)		
Overloaded (0)		
Warn (0)		
Done (1)	N	Ť

18. Click **Yes** to start the deployment of the **FNImageViewer.ear** file. The Summary of Deployments screen appears:

BEA WebLogic Server Administ le Edit View History Bookmarks	e Tanle Hala			
		A		
🌖 D - C 🗙 🏠 🗋	http://localhost:7001/console/console.portal?_nfpb=true8_paget.abel=AppDeploymentsControlPage	☆ · 🖸	Google	
Most Visited 🗭 Getting Started 🔝 L				
ogle	💌 🖸 Search - 🕂 🧔 🛶 🎒 - 🏠 Bookmarks- 💝 Check - 🐴 AutoLink 🖺 AutoFil 🍙 Send to- 🖉			0
bea ADMINISTRATION CONS				
hange Center	Welcome, weblogic Connected to: ISRA341	Home Log Out P	Preferences Help Ask	BEA
lew changes and restarts	Home > Summary of Deployments > FNImageViewer > Summary of Deployments			
lick the Lock & Edit button to	Messages			
nodify, add or delete items in his domain.				
nis domain.	Start requests have been sent to the selected Deployments.			
Lock & Edit	Common of Darksmarks			
Release Configuration	Summary of Deployments			
omain Structure	Control Monitoring			
E Environment Deployments E Services	This page displays a list of I2EE Applications and standalone application modules that have been installed to th started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and To install a new application or module for deployment to targets in this domain, click the Install button.			
SRA341 ⊕ Environment → Deployments ⊕ Servires → Security Realms ⊕ Diagnostics ow do L Ţ	started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and To install a new application or module for deployment to targets in this domain, click the Install button. Deployments	d using the controls on this j	page.	xt
Briversenset Deployments Services Servic	started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and To install a new application or module for deployment to tartets in this domain, click the Install button. Deployments Deployments Manage real Manage real	d using the controls on this j		
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Environment Deployments Genvires Genvires Security Realms Betroperability biogenetics model Install an Enterprise application Configure an Enterprise application update (redeploy) an Enterprise application Start and stop a deployed Enterprise application Monitor the modules of an Enterprise application Deploy DB modules Install a Veb application	started, stopped, updated (redeployed), or deleted from the domain by first selecting the application name and To install a new application or module for deployment to tartets in this domain, click the install button. Deployments Image: Image domain Image: Image: Image: Image domain Image: Image: Image: Image domain Image: Image: Image: Image: Image: Image: Image domain Image: Image: Image: Image: Image: Image: Image domain Image: Image: Ima	d using the controls on this p Showin State Active Prepared Prepared	hg 1 - 1 of 1 Previous Her Type Deploymen Order Enterprise Adopter 100 Resource 100 Enterprise 100	t
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The **Status** of the deployed file changes to **Active**. The confirmation message: *Start requests have been sent to the selected Deployments*' is displayed.

IBM FileNet Image Viewer Quick Start Feature

The Quick Start feature provides a mechanism for initializing a Web browser, Java, and Image Viewer session. The background task required to initialize an Image Viewer session is done at the time when the Web browser is initialized, prior to the time when Image Viewer is actually required. This reduces the startup time of Image Viewer. This feature is supported on various Operating Systems, such as Microsoft Windows 98, NT, 2000 Professional, and XP. The only Web browser supported for this feature is Internet Explorer. The Quick Start feature is not enabled by default; user needs to manually enable it.

Enabling Quick Start Feature

To enable quick start feature:

- 1. Extract FNImageViewer.ear from the patch.
- 2. Check the availability of "quickstart.htm" file in the FNImageViewer.war extracted from FNImageViewer.ear
- 3. Extract ISRAConsole.ear from the patch.
- 4. Extract ISRASampleWEB.war file from ISRAConsole.ear.
- 5. Extract 'DisplayDocument.jsp' file from ISRASampleWEB.war.
- 6. Add the highlighted tag to the file as shown in the code segment below:

```
<APPLET CODEBASE = "/FNImageViewer/FNJavaVlFiles" ARCHIVE
="ji.jar"
CODE = "ji.applet.jiApplet.class" NAME = " viewONE" WIDTH =
"100%"</pre>
```

```
HEIGHT = "97%" HSPACE = 0 VSPACE = 0 ALIGN = middle
MAYSCRIPT="true">
-- -- --
<%if(RAVersion2.equalsIgnoreCase("Enterprise")){%>
-- -- --
<param name="UserId" value="<%=userId%>">
<param name="UserId" value="<%=userId%>">
<param name="guickstartURL" value="guickstart.htm">
<%}/*End of if condition where
RAVersion2.equalsIgnoreCase("Enterprise")*/%>
</Applet>
```

- 7. Save and close the file.
- 8. Bundle the new file into ISRASampleWEB.war
- 9. Bundle the WAR file into ISRAConsole.ear.
- 10. Undeploy the old ISRAConsole.ear
- 11. Deploy the new ISRAConsole.ear.
- 12. Open a document in IBM FileNet Image Viewer.
- 13. Right-click the document to open the context menu.
- From the context menu, click Preferences > QuickStart to enable the Quick Start feature. A 'tick' icon appears on the left-hand side of the Quick Start menu indicating that the feature is enabled.

Enabling the Quick Start feature will add an icon within the System tray (bottom right of the Windows Desktop) and a menu item "IBM FileNet JavaView QuickStart for Internet Explorer" under Start > Programs > Startup menu. After enabling Quick Start, if the machine is rebooted, the Quick Start feature remains enabled. Disabling the Quick Start feature will remove the Quick Start icon from the System tray and the menu item "IBM FileNet JavaView QuickStart for Internet Explorer" from the Start > Programs > Startup menu.

Known Issues in the Quick Start Feature

Following are the known issues in IBM FileNet Image Viewer:

- Web session will not end until Quick Start feature is disabled or the user explicitly logs out of the session with the Web server. If the Quick Start feature is enabled, closing the browser window(s) will not terminate the session with the Web server.
- If Quick Start is enabled and Internet Explorer is not the default browser, then on machine re-login or reboot, a message will display asking whether to make Internet Explorer the default browser. To avoid the message:
 - 1. Open a browser window.
 - 2. Select **Tools > Internet Options**.
 - Click **Programs** tab and deselect the check box corresponding to "Internet Explorer should check to see whether it is the default browser".
 - 4. Click **Apply**.
 - 5. Click OK.

- If Always button is not selected on the security dialog box of the security certificate associated with the Image Viewer, then on machine re-login or reboot, a security dialog box is displayed.
- QuickStart feature is not available in Image Viewer if web server is accessed using IP address instead of host name in the URL.

Testing Sample Application

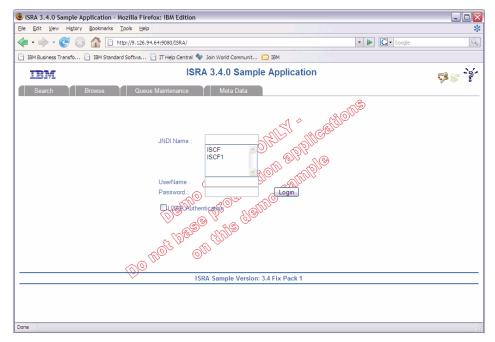
After the ISRA Sample Application is started, the steps to verify the deployment and access the ISRA Sample Application are:

1. Open a Web browser and enter the URL

http://<server:port>/context_root.

For example: http://9.126.94.39:9088/ISRA/

The Web application context_root is case sensitive. On a Weblogic Server, the default port number is 7001. The default context_root of the Sample Application is ISRA.



2. Enter valid **Username** and **Password** for the configured IS (check configured ConnectionFactory for IS details) and click **Logon**.

ISRA 3.4.0 Sample Application	- Mozilla Firefox: IBM Edition			_ 🗆 🔀
<u>File Edit View History Bookmarks</u>	s <u>T</u> ools <u>H</u> elp			*
- 🔶 - 🧭 😣 🏠 🗉	http://9.126.94.64:9080/ISRA/web/SearchWAS.jsp		🔹 🕨 💽 🛛 Goog	le 🔍
📄 IBM Business Transfo 📄 IBM Star	ndard Softwa 📄 IT Help Central 🔷 Join World Communit 📔	IBM		
IBM	ISRA 3.4.0 Sample	Application (Enterp	orise)	🕫 📽 - Ìế-
Search Browse	Queue Maintenance Meta Data	Heart SucAdmin	INDI Namo: ISCE	ISDomain: velocity3
Search for Documents :		User: SysAdmin	JNDI Name: ISCF	TSDomain: velocity5
Query : Folder Name : Max Rows :	<pre>select F_DOCNUMBER, F_PAGES from FnDocument where F_DOCNUMBER > 1 16 * Search Documents </pre>			
Done				

3. Click **Help (?)** icon on the Sample Application page for details on the interaction parameters and options.

4

LDAP Configuration

In addition to direct IS logging, ISRA 3.4.0 also supports LDAP Authentication by third party Servers.

It is necessary to map users present on the LDAP Server to the IS, before using LDAP Authentication.

Note The installation of LDAP Server and creation of users on the LDAP machine are out of the scope of this document.

IBM FileNet provides two utilities - Idap_export and Idap_import, to map existing users on the LDAP Server to the IS. These utilities are part of the IS package and must be executed on the machines running the LDAP Server and the IS.

The ldap_export utility is used to export usernames on the LDAP Server to an xml file. While, the ldap_import utility imports usernames that have been mapped to the xml file and creates corresponding users on the IS.

It is mandatory that the ldap_import algorithm and the xml file be present on the same machines, where IS exists. The ldap_import algorithm uses a hashing algorithm to generate user passwords for the IS.

Mapping Existing LDAP Server Users to IS

To configure user IDs in an IBM FileNet IS library:

- 1. Create user entries on the LDAP server. The user attribute "uid" will be used to create a user on IS. The remaining attributes (including "password") can be assigned any value.
- 2. Use the **LDAP_EXP.exe** utility to export the user entries created into an XML file.

Option	Description		
s <server></server>	LDAP server name or IP address required value.		
p <port></port>	LDAP port number, optional value, 389 is default.		
d <binddn></binddn>	LDAP administrator bind domain name (DN), required value.		
w <bindpw></bindpw>	LDAP administrator bind password, required value.		
t <ldap server="" type=""></ldap>	Required value for server type: msft – Microsoft Active Directory sun – Sun One Directory (iPlanet) nov – Novell eDirectory(NDS).		

3. LDAP_EXP program has the following parameters options:

Option	Description
	ibm – IBM Directory.
b <basedn></basedn>	LDAP Base DN, optional value.
g <grouplist filename=""></grouplist>	Group list file for input, optional value.
o <xml output<br="">filename></xml>	XML output filename, optional value.
l <log filename=""></log>	Log Filename to use, optional value.
i	Check for special characters on <id> tags only</id>
е	Remove all escape characters – '\'.
k	Use paged results. Windows to AD only
Z	Use secure socket connection
x <grouplist filename=""></grouplist>	Group list file name for output, optional value.
v	Verbose log output.
c1 <user class="" object=""></user>	Class type for User, default is 'person'.
c2 <group class="" object=""></group>	Class type for Group, default is 'groupofuniquenames'.
a1 <user attribute=""></user>	Attribute to be used for user; default is 'dn'.
a2 <group attribute=""></group>	Attribute to be used for group; default is 'dn'
a3 <member attribute=""></member>	Attribute to be used for member; default is 'uniqueMember'.

Note User may use /?, -?, /h or -h to generate help.

Example command lines:

• Sun One directory (iPlanet) server:

ldap_exp -s SunSrvr1 -d "cn=Directory Manager" -w
":/,.++=" -t sun -b "dc=iPlanet, dc=com"

• Microsoft Active Directory (AD) server:

ldap_exp -s Win2KSrvr1 -d
"CN=Administrator,CN=Users,DC=win2ksrvr1,DC=com" -w
":/,.++=" -t msft -b "dc=win2ksrvr1,dc=com"

• Novell eDirectory(NDS) server:

ldap_exp.exe -s NovSrvr1 -d "cn=Admin, o=server" -w

- ":/,.++="-t nov -b "o=wa"
- IBM Directory server:

ldap_exp -s IBMSrvr1 -d "Cn=Administrator" -w ":/,.++="
-t

- ibm -b "dc=ibmsrvr1, dc=com"
- 4. Use the LDAP_IMPORT.exe for IS libraries to import the user entries from XML file into the specified IBM FileNet IS library.

Parameters:

<i>I</i> ?	Help screen	
/h <host>[:organization]</host>	IS host or domain name, organization.	
/u <id> (used with /p)</id>	Authorized IS user name	
<pre>/p"<pwd>" (used with /u)</pwd></pre>	Encrypted IS user password.	
/i <file></file>	XML input file.	

For example, to import user entries from XML file:

C:\>ldap_import /hIMGSERV:FileNet /ildap_exp.xml

Note	Options are NOT case sensitive. All the information or error
	messages are logged to the system log or the file
	'Idap_importyyyymmddlog.txt'. If Username and password are not
	specified in the command, it prompts for username and password.

5. The IBM FileNet users created will have a password generated from the corresponding user IDs.

Changing ISRA Specific Parameters for LDAP

The configurable properties to be set (modified) in **ra.xml** are:

- LdapImplClassName
- LdapImplClassString
- InherentLogin

Refer to <u>LdapImplClassName</u>, <u>LdapImplClassString</u>, and <u>InherentLogin</u>, in section <u>Configurable ra.xml Properties</u> for details on the configuration of the respective entities.

Configuring Performance Statistics from ISRA

User can execute an EnablePerformanceLogging interaction to enable or disable the logging of performance statistics of each ISRA interaction. To enable this, configure JMS server, connection factory and JMS queue. The current value of EnablePerformanceLogging interaction will be updated in the file name mentioned by the user while deploying ISRA.

Enabling the performance logging statistics will send the messages to JMS queue, else these messages will not be logged in the JMS queue.

To configure the performance statistics, perform the following:

- 1. Configure a new JMS server
- 2. Configure a JMS queue
- 3. Configure JMS connection factory

These are explained in detail in the following sections.

Configuring JMS Server

To configure a JMS server:

 On the left pane of the WebLogic 9.x console, click Services > Messaging > JMS Servers. The following screen appears:

BEA WebLogic Server Administration	Console - Microsoft Internet Exp	lorer		_8
File Edit View Favorites Iools He	dp			
⇔Back • → • ② ② 🚮 ③Sean	ch 😹 Favorites 🎯 Media 🎯	5- <i>3</i> I I II		
Address 🕘 http://fn-isra:7001/console/cons	sole.portal?_pageLabel=Home&_nfpb=	-true&ChangeManagerPortlet_actionOverride=/S	itopEditAction&changeCenter=Ch	angeCenterClicked 💌 🔗 Go Links
Chear WEBLOGIC SERVE		ومستعددة مستعدة		
Change Center	Welcome, weblogic	Connected to: base_domain	Home Log Out P	references Help AskBEA
View changes and restarts	Home > Summary of JMS Server	s > JMSServer-0 > Summary of JMS Server	5	
Click the Lock & Edit button to modify, add or delete items in this	Summary of JMS Serve	rs		
domain.		gement containers for the queues and to ne JMS servers that have been created in		
Domain Structure base_domain ⊕ Environment	Customize this table			
Deployments	Click the Lack & Edith	utton in the Change Center to activate all	the buttons on this name	
 Services Messaging 	New Delete	action in the change center to activate an		0-0 of 0 Previous Next
JMS Servers Store-and-Forward Agents JMS Modules	T Name 🔿	Persistent Store	Showing	Target
⊞-Bridges ⊞-JDBC		There are no items	to display	
H-DBC Persistent Stores Path Services New Delete Showing 0 - 0 of 0 Previous Next Forcing NDI Providers				
- Work Contexts - XML Registries - XML Entity Caches - JCOM - Mail Sessions - File T3 - JTA - Security Realms B: Interoperability				at Local intranet

Note User may also use an existing JMS server.

2. Click Lock & Edit Button. The following screen appears:

BEA WebLogic Server Administration	Console - Microsoft Internet Exp	olorer		لل
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Back 🔹 🔿 🖌 🙆 🔂 🖓 Searc				
dress 🙋 http://fn-isra:7001/console/cons	sole.portal?_pageLabel=Home&_nfpb	=true&ChangeManagerPortlet_actionOverride=/M	lakeChangesAction&changeCente	r=ChangeCenterClick▼ 🔗Go Lii
bea WEBLOGIC SERVE				
nange Center	Welcome, weblogic	Connected to: base_domain	Home Log Out Pr	eferences Help AskBEA
iew changes and restarts	Home > Summary of JMS Server	rs > JM55erver-0 > Summary of JMS Servers		
o pending changes exist. Click the elease Configuration button to	Summary of JMS Serve	rs		
Lock & Edit Release Configuration		agement containers for the queues and top he JMS servers that have been created in		
main Structure se_domain -Environment -Deplovments	Customize this table			
Services	New Delete		Showing I	0-0of0 Previous Next
JMS Servers Store-and-Forward Agents JMS Modules	□ Name ↔	Persistent Store There are no items	to dioplay	Target
E-Bridges E-DBC Persistent Stores Path Services	New Delete			0-0 of 0 Previous Next
- Avid State				

File Edit View Favorites Tools He		
The second state of the se		
	rch 🔄 Favorites 🛞 Media 🧭 🛃 🖕 🍰 🖾 📃 📖	
ddress 🥘 http://fn-isra:7001/console/cons	nsole.portal?_nfpb=true&_pageLabel=JmsServerCreateJMSServer 💆 🔗 Go 🛛	Links
bea WEBLOGIC SERVE		
Change Center	Welcome, weblogic Connected to: base_domain Welcome Log Out Preferences Help AskBEA	
View changes and restarts	Home > Summary of JMS Servers > JMSServer-0 > Summary of JMS Servers	
No pending changes exist. Click the Release Configuration button to allow others to edit the domain. Lock & Edit Release Configuration	Create a New JMS Server Back Next Frich Cancel JMS Server Properties The following properties will be used to identify your new JMS Server.	
Domain Structure base_domain = Environment —Deployments = Services	What would you like to name your new JMS Server?	
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- Foreign INDI Providers Work Contexts XML Registries XML Entity Caches JCOM Mail Sessions File T3 JTA Security Realms	Čit Local Intranet	

4. Click **Next** (user can enter a name other than default). The following screen appears:

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-File T3 JTA Security Realms B-Interoperability	Cocal intranet	

5. Select the target server from the drop down list and click **Finish**. The following screen appears:

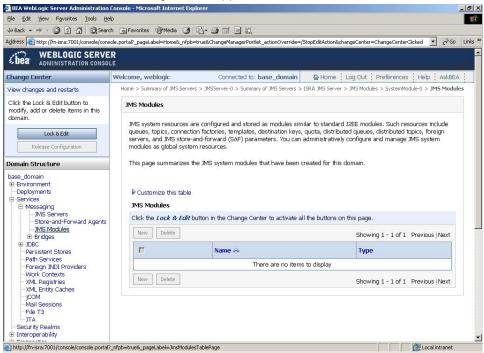
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6. Click Activate Changes. An overview of created JMS Server is reflected.

Configure a JMS Queue

JMS resources, such as, queues, connection factories, templates, destination keys and distributed queues are configured and stored as modules similar to J2EE modules. To configure a JMS queue:

1. On the WebLogic 9.x console, navigate to **Services > Messaging > JMS Modules**. The following screen appears:



2. Click Lock & Edit Button. The following screen appears:

Console - Microsoft Internet Explorer	_ 5
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Home > Summary of JMS Servers > JMSServer-0 > Summary of JMS Serve	ers > ISRA JMS Server > JMS Modules > SystemModule-0 > JMS Modules
JMS Modules	
JNS system resources are configured and stored as modules queues, topics, cornection factories, templates, destination i servers, and JNS store-and-forward (SAF) parameters. You modules as global system resources.	eys, quota, distributed queues, distributed topics, foreign
This page summarizes the JMS system modules that have be	een created for this domain.
Customize this table	Showing 1 - 1 of 1 Previous Next
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3. Click **New** Button. The following screen appears:

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No pending changes exist. Click the	Create JMS System Module			
Release Configuration button to allow others to edit the domain.				
anow others to edit the domain.	Back Next Finish Cancel			
Lock & Edit	The following properties will be used to identify your new module.			
Release Configuration	JMS system resources are configured and stored as modules similar to standard J2EE modules. Such n	esources in	clude	
	queues, topics, connection factories, templates, destination keys, quota, distributed queues, distributed	topics, for	eign	
Domain Structure	servers, and JMS store-and-forward (SAF) parameters. You can administratively configure and manage	e JMS syste	em	
base_domain	modules as global system resources.			
Environment				
Deployments				
E-Services				
E-Messaging	What would you like to name your System Module?			
Store-and-Forward Agents				
JMS Modules	Name: SystemModule-0			
😟 Bridges				
⊞-JDBC	What would you like to name the descriptor file name? If you do not provide a name, a default will	oe assigned	d.	
-Persistent Stores				
Path Services Foreign JNDI Providers	Descriptor File			
-Work Contexts	Name:			
-XML Registries	Where would like to place the descriptor for this System Module, relative to the ims configuration si	ih-director	vof	
-XML Entity Caches	vour domain?		y 01	
-jCOM	,			
-Mail Sessions	Location In			
File T3	Domain:			
Security Realms				
Jecurity Realms E-Interoperability	Back Next Finish Cancel			
		Cocal in		1 1

4. Click **Next** (User can enter the name of System Module, other than default). The following screen appears:

Bit A Workbody: Server Administration Console - Microsoft Internet Explorer ■ Ø × Ø × Ø Bit E dt yew Favorites Tools telp Image Server Administration Console - Microsoft Internet Explorer Address ● Http://finite.7001/console/console.portal/Create.3MSSystemModule/order_action/wendee/console/actions/ms/module/system/createmodule/selectTargets Image Server Address ● Microsofte Console_optal/Create.3MSSystemModule/order_action/wendee/console/actions/ms/module/system/createmodule/selectTargets Image Server Change Center Welcome, weblogic Connected to: base_domain Image Home i Log Out i Preferences Help AsI&EA No pending changes exit. Click the Release Configuration button to allow others to edit the domain. Image To adit Servers > MicServer-0 > Summary of 3MS Servers > MicServer > System Module Servers > Servers Base_domain Exervices Image to select the server or cluster on which you would like to deploy this 3MS system module. You can reconfigure targets later if you wish. Desag.domain Exervices Microselect Base_domain Exervices Base_domain <t< th=""><th></th><th></th></t<>		
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B Interoperability	E Services E Messaging	Servers AdminServer Back Next Finish Cancel

5. Select Target Servers and click **Next.** The following screen appears:

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base_domain @-Environment —Deployments @-Services @-Messaging	This page displays gene configure new resources			nodule and its resouces. It als	o allows you to	
JMS Servers Store-and-Forward Agents JMS Modules	4 Name:	SystemModule	9-0	The name of this JMS system	module. M <mark>ore Info</mark>	
⊞-Bridges ⊡-JDBC —Persistent Stores	4 Descriptor File Name:	jms/systemm	odule-0-jms.xml	The name of the JMS module	descriptor file. More Info.	
Path Services Foreign NID Providers -Work Contexts -XML Englishies -XML Englishies -JCOM -Mail Sessions -File T3 -JTA		nnection factories, servers, and store- le	JMS templates, de	created for this JMS system m stination sort keys, destination meters.		i
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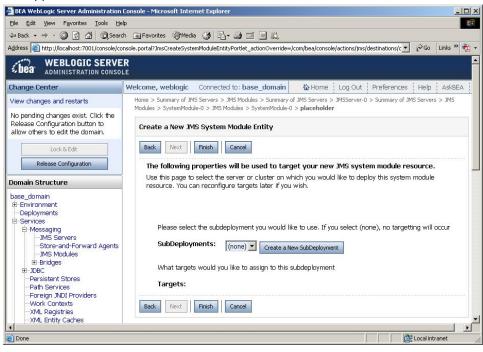
6. Click **New** for creating Queue. The following screen appears:

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Address a http://localhost:7001/console/con:	sole.portal?_nfpb=true&_pageLabel=JmsCreateSystemModuleEntity&JmsCreateSystemModuleEntityPortletcurr 💌 🤗 Go 🛛 Links ᠉ 🤅	1.
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Pending changes exist. They must be activated to take effect.	Create a New JMS System Module Entity	
Activate Changes Undo All Changes	Back Next Finish Cancel	
	Please choose the type of resource you would like to create.	
Domain Structure base, domain Bervironment Deployments Services Dystry and Forward Agents Dystry Modules Bervidges Bervidges Bervidges Bervidges Bervidges Bervidges Bervidges DoBC Persistent Stores Path Services Foreviden JNDI Providers	Use these pages to create IMS system module resources, including queues, topics, connection factories, IMS templates, destination keys, destination quota, distributed destinations, foreign servers, and IMS store-and-forward (SAF) parameters. Depending on the type of resource you select, you will be prompted to enter basic information to create the resource. For targetable system resources, like topics, queues, connection factories, distributed topics, distributed queues, and foreign servers you can also precede to targeting page where you can select appropriate IMS server, server, and cluster targets. You can also associate targetable resources with subdeployments, which is a mechanism by which targetable IMS module resources, or cluster).	
Work Contexts XML Registries XML Registries XML Entity Caches jCOM Mail Sessions File T3 JTA Security Realms intercoerability	Type: Queue	
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7. Select **Queue** type from the drop down list and click **Next.** The following screen appears:

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base_domain B-Environment Deployments Services B-MessagingMS ServersStore-and-Forward AgentsMS Modules B-Bridges B-DBCPersistent StoresPark ServicesForeign JNDI ProvidersWork ContextsXML RegistriesXML RegistriesXML Entity Caches	Name: Queue-O JNDI Name: Template: None V Back Next Finish Cancel
Done	Local Intranet

8. Enter the **JNDI Name** of the JMS queue and click **Next**. The following screen appears:



Note The JNDI name of the queue must be the same (also case-sensitive) as in the deployment descriptor (**ra.xml** file).

9. Click Finish The following screen appears:

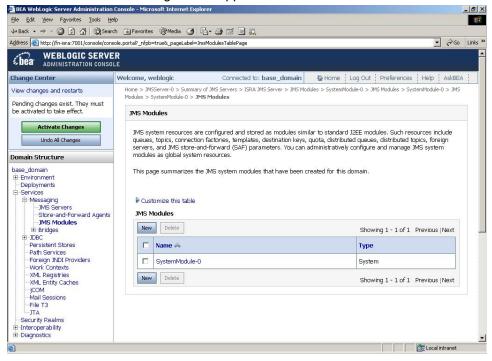
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Environment Deployments	This page disn	lavs general infn	rmation ahou	ut a JMS system	module and its resouces. It also	allows you to		
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⊞-Bridges	4 Descript	or File jn	ns/systemma	idule-0-jms.xml	The name of the JMS module of	descriptor file. More Inf	ö	
B-JDBC	Name:							
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10. Click Activate Changes. An overview of the settings is reflected.

Configure JMS Connection Factory

To configure the JMS connection factory:

 On the WebLogic 9.x console, navigate to Services > Messaging > JMS Modules. The following screen appears:

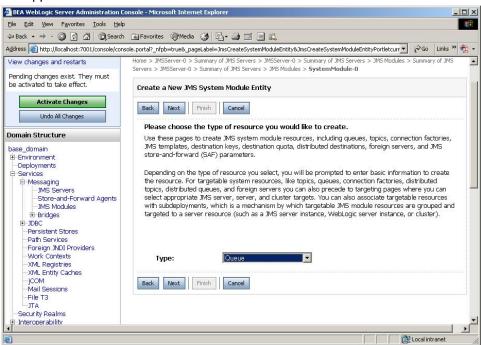


Note The user can also use an existing connection factory.

2. Click on the configured system module. The following screen appears:

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Address 🕘 http://localhost:7001/console	/console.portal?_nfpb=true&_pageL	abel=JMSSystemModuleConfigGer	neralPage 💽 🔗 Links » 📆 🗸
SICA ADMINISTRATION CONS	OLE		
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View changes and restarts	Home > JMS Modules > Syst e	emModule-0	
Pending changes exist. They must be activated to take effect.	Settings for SystemM	lodule-0	
Activate Changes	Configuration Targets	Security Notes	
Undo All Changes Domain Structure		eral information about a JMS esources and access existing	S system module and its resouces. It also allows g resources.
base_domain ⊕-Environment —Deployments ⊕-Services	Name:	SystemModule-0	The name of this JMS system module. More Info
Security Realms ⊡riteroperability ⊡Diagnostics	Descriptor File Name:	jms/systemmodule-0- jms.xml	The name of the JMS module descriptor file, More Info
How do I	including queue and	topic destinations, connection	ave been created for this JMS system module, on factories, JMS templates, destination sort keys, gn servers, and store-and-forward parameters.
 Configure JMS system modules Configure resources for JMS system modules 	Customize this t		
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Done			Local intranet

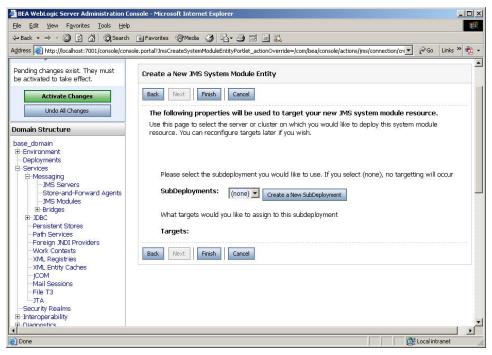
3. Click **New** Button for creating JMS Connection Factory. The following screen appears:



4. Select radio button corresponding to **Connection Factory** and click **Next**. The following screen appears:

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Pending changes exist. They must be activated to take effect.	Create a New JMS System Module Entity
Activate Changes	Back. Next Finish Cancel
Undo All Changes	Connection Factory Properties
Domain Structure	The following properties will be used to identify your new connection factory. The current module is SystemModule-0.
base_domain Environment Deployments Services	What would you like to name your new connection factory?
Services Oressaging Oressaging Oressaging Oressaging Oressaging Oressaging Oressaging	Name: ConnectionFactory-0 What JNDI Name would you like to use to look up your new connection factory?
JMS Modules ⊕-Bridges ⊕-JDBC	A JNDI Name:
Persistent Stores Path Services Foreign JNDI Providers Work Contexts	Back Next Finish Cancel
—XML Registries —XML Entity Caches —jCOM	
—Mail Sessions —File T3 —JTA	
Security Realms ⊡Interoperability	
⊡ Diagnostics	
•	J.
E)	🔀 Local intranet

 Enter the Connection factory name (User can enter the name, other than default). The JNDI name of the connection factory must be the same (also case-sensitive) as mentioned in the **ra.xml** file. Click **Next.** The following screen appears:



6. Click **Finish**. The following screen appears:

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View changes and restarts	Home > Summary of JMS Serve	ers > ???Summary of Services???	> JMS Modules > SystemModule-0
Pending changes exist. They must be activated to take effect.	Messages	created successfully.	
Activate Changes Undo All Changes	Settings for SystemM	odule-0	
Domain Structure	Configuration Targets	Security Notes	
base_domain B-Environment Deployments E-Services		eral information about a JMS esources and access existing	5 system module and its resouces. It also allows g resources.
Hessaging MS Servers Store-and-Forward Agents MS Modules	Name:	SystemModule-0	The name of this JMS system module. More Info
⊞-Bridges ≇-JDBC —Persistent Stores	Descriptor File Name:	jms/systemmodule-0- jms.xml	The name of the JMS module descriptor file. More Info
Path Services Foreign JNDI Providers Work Contexts XML Registries XML Entity Caches COM	including queue and	topic destinations, connection	ave been created for this JMS system module, on factories, JMS templates, destination sort keys, gn servers, and store-and-forward parameters.

7. Click Activate Changes. An overview of the settings is reflected.

Configuring ISRA Parameters for Performance Statistics

The following parameters must be configured in **ra.xml** if user wants to configure EnablePerformanceLogging:

JmsConnectionFactory

It is the name of the connection factory configured on the JMS server. The default value is 'ConnectionFactory'.

• JmsQueueName

It is the name of the queue configured on the JMS server. The default value is 'testQueue'.

PortNumber

It is the port number on which the WebLogic server is running. The default value is 7001.

• MachineName

This is the machine name on which the WebLogic server is running. The default value is 'local host'.

AppServerInitialContext

It is the name of the initial context class for WebLogic server. The default value is 'Weblogic.jndi.WLInitialContextFactory'.

• EnableLoggingFileName

This is the name of the file where the current value of PerformanceLogging will be updated. The default value is 'enableJMS_ISCF.properties'.

Note This file must be a properties file.

6

Undeployment

This section describes undeployment procedure to remove the ISRA and the Sample Application from the WebLogic Server.

Undeploying ISRA

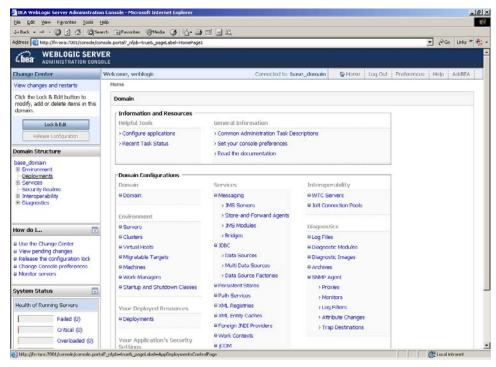
To undeploy ISRA ensure that WebLogic admin server is running. If it is not, start the WebLogic Administration Server as explained in the <u>Deploying ISRA</u> section.

The steps to undeploy ISRA using the Administration Console are:

1. To start the administrative console, enter the following URL in the Web browser http://hostname:portnumber/console. The WebLogic admin console sign on screen appears, as shown below:

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Down (adde Phototop)		Log in to work with the WebLogic Server domain Username: Password: Log in

2. Enter **Username** and **Password**. Click **Sign In** to access the WebLogic admin console. The following screen appears:



3. Click **Deployments**. The following screen appears:

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4. Select the check box corresponding to the name of the file to be undeployed, and click **Force stop now** from the **Stop** drop-down button. For example: in the above screenshot, **ISRA** is selected. The following screen appears:

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-Security Realms B-Interoperability B-Diagnostics	
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Target an Enterprise application to	
a server Test the modules in an Enterprise	
application	
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Critical (0)	
Overloaded (0)	
Warn (0)	
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5. Click **Yes** to stop the application. The **Summary of Deployments** screen appears:

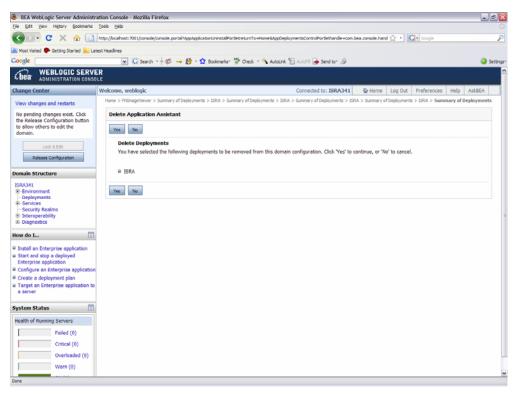
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6. Click **Lock and Edit** button to make the console editable. The following screen appears:

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The **Release Configuration** button, along with the buttons under **Deployment** section is enabled.

7. Under **Deployments**, select the same file as in step 4, and click **Delete** button. The **Install Application Assistant** screen appears:



8. Click Yes. The following screen appears:

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The message: 'Selected Deployments were deleted. Remember to click Activate Changes after you are finished' is displayed.

9. Click Activate Changes button. The following screen appears:

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Overloaded (0)	Critical (0)					

The system returns to the Deployment page, showing ISRA is undeployed.

Note The steps to undeploy the ISRA in clustered environment are same as the above steps.

Undeploying Sample Application

The procedure of undeploying Sample Application is same as Undeploying ISRA. Refer to <u>Undeploying ISRA</u> section for the details.

Ensure that WebLogic Administration server is running, else start the WebLogic Administration Server as explained in the <u>Deploying ISRA</u> section.

Undeploying IBM FileNet Image Viewer

The procedure of undeploying IBM FileNet Image Viewer is same as Undeploying ISRA. Refer to <u>Undeploying ISRA</u> section for the details.

Ensure that WebLogic Administration server is running; else start the WebLogic Administration Server as explained in the <u>Deploying ISRA</u> section.

Note The user must undeploy the previous version of IBM FileNet Image Viewer before deploying the latest version.

Troubleshooting

This section describes how to troubleshoot ISRA.

Disabling NCH Broadcasts

ISRA users (application client) need to access IS libraries across routers on networks where broadcasts are disabled. This is done by creating alias entries for the IS libraries in the hosts file, where ISRA is deployed. ISRA must locate the IP address of the NCH server to find other IS services for an IS setup.

ISRA attempts to find the NCH server by generating broadcast packets, even if the NCH server was not reachable using broadcasts. User can disable NCH server location broadcasts to reduce broadcast traffic on the network.

User may want to disable NCH broadcasts, if:

- Routers are present between servers;
- Want no broadcast activity on the networks;
- Want to force a multi-homed server to use a specific IP address configured by the operating system network directory search facility.

To specify the alias in the hosts file:

- Locate hosts file on the server. It is located in the /etc folder on UNIX systems. On a Microsoft Windows Server, it is located in the \system32\drivers\etc under the Windows installation directory.
- 2. Open the hosts file with a text editor. If the hosts file does not exist, create a new file.
- 3. For each IBM FileNet library that user needs to connect through ISRA, entries should be made in the hosts file as <IP address of domain:organization> <domain-organization>-nch-server, where:
 - <IP address of domain:organization> is IP address of an IBM FileNet domain and organization identifying the target IBM FileNet library system (NCH Server).
 - <domain-organization> is domain and organization name. The rules to follow while specifying the domain-organization name are:
 - Delete all characters except ASCII alphanumeric characters and hyphens.
 - Convert all upper case characters to lower case.
 - Insert a hyphen between the domain and organization names.
 - Append nch-server as a literal.

For example, if an IBM FileNet library has a domain, fn_is, and organization, IBM, and its IP address is 123.45.6.78, the hosts file entry will be 23.45.6.78 fnis-IBM-nch-server

Appendix A

ra.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE connector PUBLIC '-//Sun Microsystems, Inc.//DTD Connector
1.0//EN' 'http://java.sun.com/dtd/connector_1_0.dtd'>
<connector>
  <display-name>ISRA</display-name>
  <vendor-name>IBM</vendor-name>
  <spec-version>1.0</spec-version>
  <eis-type>IBM FileNet Image Services</eis-type>
  <version>3.4.0</version>
  cense>
    <license-required>false</license-required>
  </license>
  <resourceadapter>
    <managedconnectionfactory-
class>com.filenet.is.ra.spi.FN_IS_SpiManagedConnectionFactory</managedc
onnectionfactory-class>
    <connectionfactory-
interface>javax.resource.cci.ConnectionFactory</connectionfactory-
interface>
    <connectionfactory-impl-
class>com.filenet.is.ra.cci.FN_IS_CciConnectionFactory</connectionfacto
ry-impl-class>
    <connection-interface>javax.resource.cci.Connection</connection-
interface>
    <connection-impl-
class>com.filenet.is.ra.cci.FN_IS_CciConnection</connection-impl-class>
    <transaction-support>NoTransaction</transaction-support>
    <config-property>
      <description>Domain name of the Image Services
Server</description>
      <config-property-name>DomainName</config-property-name>
      <config-property-type>java.lang.String</config-property-type>
      <config-property-value>FileNetIS</config-property-value>
    </config-property>
    <config-property>
      <description>Organization name of the Image Services
Server</description>
      <config-property-name>OrganizationName</config-property-name>
      <config-property-type>java.lang.String</config-property-type>
      <config-property-value>IBM</config-property-value>
    </config-property>
    <config-property>
      <description>0-Exceptions and Warnings; 1-Info; 2-Debug
Level</description>
      <config-property-name>LoggingLevel</config-property-name>
      <config-property-type>java.lang.Integer</config-property-type>
      <config-property-value>0</config-property-value>
```

```
</config-property>
    <config-property>
      <description>0-No Logging; 1-Console Logging; 2-File Logging; 3-
Both(File and console) </description>
      <config-property-name>LoggingMode</config-property-name>
      <config-property-type>java.lang.Integer</config-property-type>
      <config-property-value>3</config-property-value>
    </config-property>
    <config-property>
      <description>Page data fetch size (in kilo bytes)</description>
      <config-property-name>PageBufferSize</config-property-name>
      <config-property-type>java.lang.Integer</config-property-type>
      <config-property-value>64</config-property-value>
    </config-property>
    <config-property>
      <description>Cache refresh interval(in minutes)</description>
      <config-property-name>CacheRefreshInterval</config-property-name>
      <config-property-type>java.lang.Integer</config-property-type>
      <config-property-value>30</config-property-value>
    </config-property>
    <config-property>
      <description>Security cache mode(1-caches users and groups 2-
caches groups only)</description>
      <config-property-name>SecurityCacheMode</config-property-name>
      <config-property-type>java.lang.Integer</config-property-type>
      <config-property-value>1</config-property-value>
    </config-property>
    <config-property>
      <description>Selective metadata refresh(1-printer cache 2-doc
class cache 4-key fields cache 8-menu values cache )</description>
      <config-property-name>MetaDataCacheRefreshMode</config-property-
name>
      <config-property-type>java.lang.Integer</config-property-type>
      <config-property-value>15</config-property-value>
    </config-property>
    <config-property>
      <description>Name of the Product</description>
      <config-property-name>ProductName</config-property-name>
      <config-property-type>java.lang.String</config-property-type>
      <config-property-value>IBM FileNet Image Services Resource
Adapter</config-property-value>
    </config-property>
    <config-property>
      <description>Product Version</description>
      <config-property-name>ProductVersion</config-property-name>
      <config-property-type>java.lang.String</config-property-type>
      <config-property-value>ISRA 3.4.0 Enterprise</config-property-</pre>
value>
    </config-property>
    <config-property>
      <description>ISRA Logfile name (can include path) </description>
      <config-property-name>LogFileName</config-property-name>
      <config-property-type>java.lang.String</config-property-type>
```

```
<config-property-value>ISRA.log</config-property-value>
    </config-property>
    <config-property>
       <description>Maximum Size of ISRA LogFile (in mega
bytes)</description>
        <config-property-name>LogFileSize</config-property-name>
        <config-property-type>java.lang.Integer</config-property-type>
        <config-property-value>5</config-property-value>
    </config-property>
      <config-property>
               <description>LDAP Authentication Class
Name</description>
           <config-property-name>LdapImplClassName</config-property-
name>
           <config-property-type>java.lang.String</config-property-
type>
           <config-property-
value>com.filenet.is.ra.fnis.FN_IS_IPlanetImpl</config-property-value>
    </config-property>
    <config-property>
               <description>Server details for LDAP Authentication
</description>
           <config-property-name>LdapImplClassString</config-property-
name>
           <config-property-type>java.lang.String</config-property-
type>
           <config-property-
value>filenetserver;389;ou=Users,ou=FileNet,dc=FilenetRoot</config-
property-value>
    </config-property>
    <config-property>
               <description>Inherently login through LDAP
authentication or not 0-Direct IS Login;1-LDAP
Authentication</description>
         <config-property-name>InherentLogin</config-property-name>
         <config-property-type>java.lang.Integer</config-property-type>
         <config-property-value>0</config-property-value>
    </config-property>
    <config-property>
       <description>ISRA instance that is currently being deployed on a
single machine; Min Value = 1, Max Value = 10</description>
        <config-property-name>DeploymentInstance</config-property-name>
        <config-property-type>java.lang.Integer</config-property-type>
        <config-property-value>1</config-property-value>
    </config-property>
   <config-property>
      <description>Parameter to enable PCH Logging in ISRA
</description>
      <config-property-name>PCHLogging</config-property-name>
      <config-property-type>java.lang.String</config-property-type>
      <config-property-value>Disabled</config-property-value>
   </config-property>
   <config-property>
         <description>LDAP Anonymous user login flag</description>
         <config-property-name>AllowAnonymousUser</config-property-
name>
         <config-property-type>java.lang.Boolean</config-property-type>
```

```
<config-property-value>true</config-property-value>
 </config-property>
 <config-property>
      <description>0-No Logging; 1-File Logging</description>
      <config-property-name>RPCLogging</config-property-name>
      <config-property-type>java.lang.Integer</config-property-type>
      <config-property-value>0</config-property-value>
    </config-property>
 <config-property>
      <description>Codepage for ISRA</description>
      <config-property-name>ClientCodepage</config-property-name>
      <config-property-type>java.lang.String</config-property-type>
      <config-property-value>cp1250</config-property-value>
 </config-property>
 <config-property>
      <description>Locale of the Image Services Server (two letter ISO
language code, for example en, de, ar, ja)</description>
      <config-property-name>ISLocale</config-property-name>
      <config-property-type>java.lang.String</config-property-type>
      <config-property-value>en</config-property-value>
  </config-property>
  <config-property>
   <description>It is a configurable parameter to Ignore [77,0,11 The
object is busy] error, incase of DocMigration</description>
   <config-property-name>IgnoreObjectBusyMsgInDocMigration</config-
property-name>
   <config-property-type>java.lang.Boolean</config-property-type>
   <config-property-value>false</config-property-value>
 </config-property>
    <authentication-mechanism>
      <authentication-mechanism-type>BasicPassword</authentication-
mechanism-type>
      <credential-
interface>javax.resource.security.PasswordCredential</credential-
interface>
    </authentication-mechanism>
    <reauthentication-support>false</reauthentication-support>
  </resourceadapter>
</connector>
```

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Index

AllowAnonymousUser, 41 CacheRefreshInterval, 41 Changing ISRA Specific Parameters, 40 Changing ISRA Specific Parameters for LDAP, 96 ClientCodepage, 41 Configure a JMS Queue, 99 Configure JMS Connection Factory, 104 Configuring and Deploying ISRA Console and Sample Application, 52 Configuring Deployed ISRA, 40 Configuring ISRA Parameters for Performance Statistics, 107 Configuring JMS Server, 97 Configuring Multiple IS Servers with ISRA, 51 Configuring Performance Statistics from **ISRA**, 97 Configuring Sample Application, 52 Configuring Weblogic-Specific Entities, 47 Deploying FileNet Image Viewer in a Clustered Environment, 81 Deploying FileNet Image Viewer in a Standalone Environment, 73 Deploying ISRA in a Clustered Environment, 29 Deploying ISRA in a Standalone Environment, 7 Deploying the ISRA Console and Sample Application in a Clustered Environment, 62 Deploying the ISRA Console and Sample Application in a Standalone Environment, 54 Deployment Requirements, 7 DeploymentInstance, 39, 41

Disabling NCH Broadcasts, 114 DomainName, 40 Enabling Quick Start Feature, 90 Explanation for Terminal name and ISRALock folder, 38 FileNet Image Viewer Quick Start Feature, 90 GMTEnabled flag, 46 InherentLogin, 41 ISRA Configuration, 40 ISRA Console, 52 ISRA Deployment, 7 Known Issues in the Quick Start Feature, 91 LDAP Configuration, 94 LdapImplClassName, 41 LdapImplClassString, 41 LogFileName, 41 LogFileSize, 41 LoggingLevel, 40 LoggingMode, 40 Mandatory Requirements for ISRA 3.3.0, 38 Mapping Existing LDAP Server Users to IS, 94 OrganizationName, 40 PageBufferSize, 41 PCHLogging, 41 ra.xml, 115 RPCLogging, 41 Testing Sample Application, 92 Troubleshooting, 114 Undeploying FileNet Image Viewer, 113 Undeploying ISRA, 108 Undeploying Sample Application, 113 Undeployment, 108 Using the ISRA Console, 71