Express Runtime

**IBM**

# Application Development Toolkit InfoCenter

*Version 2  Release 1*

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# Contents

# Chapter 1. Overview

Welcome to the Express Runtime application development toolkit InfoCenter. This InfoCenter is intended to provide information to help you install and use the Express Runtime application development toolkit. To begin, select a topic from the navigation pane.

## Introduction to the Express Runtime application development toolkit

Use the Express Runtime application development toolkit to install tools that you can use to develop applications. You can then bundle these applications with the middleware components provided with Express Runtime. Alternatively, you can deploy the development tools as complete solutions.

The Express Runtime application development toolkit CD contains the following tools:

- DB2 Universal Database Express 8.2 Development Environment for Windows
- DB2 Universal Database Express 8.2 Development Environment for Linux
- DB2 Universal Database Express 8.2 Development Environment for Linux on Power
- IBM WebSphere Application Server Express 6.0 Development Environment for Windows
- IBM WebSphere Application Server Express 6.0 Development Environment for Linux
- IBM WebSphere Application Server Express 6.0 Development Environment for Linux on Power
- IBM WebSphere Application Server Express 6.0 Development Environment for i5/OS
- IBM Rational Web Developer 6.0 for Windows
- IBM Rational Web Developer 6.0 for Linux

The Express Runtime application development toolkit InfoCenter contains additional information about the Express Runtime application development toolkit. You can access the InfoCenter by clicking the link in the launchpad displayed when you insert the Express Runtime application development toolkit CD.

## DB2 UDB Express 8.2

IBM DB2 Universal Database Express Edition for Windows and Linux (i5/OS database is embedded in the operating system) is designed for small and medium business needs. DB2 UDB Express Edition features self-tuning, self-managing, and self-configuring capabilities that increase reliability while reducing complexity and required skills.

# WebSphere Application Server Express 6.0

IBM WebSphere Application Server Express is a tool that you can use to develop, deploy, and manage both static and dynamic Web sites. Through the use of wizards and templates, IBM WebSphere Application Server Express generates code, provides views of database information, and performs database updates. It also creates and uses Web services.

# Rational Web Developer 6.0

IBM Rational Web Developer is powered by the Eclipse open source platform so you can adapt and extend your development environment to match your needs and increase productivity. Rational Web Developer is an integrated development environment that makes Web, Web services and Java development quick and easy. With a broad range of visual development, testing and deployment tools that are easy to learn and use, Rational Web Developer is a perfect fit for software developers who are building applications for an on demand business.

# Chapter 2. Installing

This section provides the procedure for installing the Express Runtime application development toolkit.

## Hardware and Software Requirements

There are two computer systems involved when deploying the Runtime Express application development toolkit: the staging server computer and the target computer. The target computer is the system you are deploying the tools to.

The following tables list possible operating systems. If the operating system is deployable as a target operating system (for the tools: WebSphere Application Server Express 6.0, DB2 Universal Database Express 8.2, and IBM Rational Web Developer), it will state it as a target OS in the table. If it is not listed as a target OS, then it is only available as an operating system for the staging server.

For specific hardware requirements to run each of the tools, see the appropriate section below.

**Windows®**

| Operating System | Deployable as Target OS? |
|---|---|
| Windows XP Professional SP™ 2 | No |
| Windows 2000 Server SP4 | Yes |
| Windows 2000 Advanced Server SP4 | Yes |
| Windows 2000 Professional SP3 | Yes |
| Windows Server 2003, Standard Edition SP1 | Yes |
| Windows Server 2003, Enterprise Edition SP1 | Yes |

**Linux™ (Intel™ platforms only)**

| Operating System | Deployable as Target OS? |
|---|---|
| Red Flag Advanced Server 4.1 | Yes |
| Red Hat Enterprise Linux 3.0 WS/AS/ES | Yes |
| Red Hat Desktop 3.0 | No |
| SUSE LINUX Enterprise Server 8.0 | Yes |
| SUSE LINUX Enterprise Server 9.0 | Yes |
| SUSE LINUX Desktop 8.0 | No |
| Novell Linux Desktop 9.0 | No |

**Linux (IBM® POWER5™ processor-based technology systems only)**

| Operating System | Deployable as Target OS? |
|---|---|
| Linux on POWER™ (using SUSE LINUX Enterprise Server 8.0, SUSE LINUX Enterprise Server 9.0, or Red Hat Enterprise Linux AS 3.0) | Yes |

**OS/400®**

| Operating System | Deployable as Target OS? |
|---|---|
| V5R2 | Yes |

**i5/OS™¹**

| Operating System | Deployable as Target OS? |
|---|---|
| V5R3 | Yes |

**General requirements for all systems:**

- A Web browser to view the online documentation and readme file.
- A local area network (LAN) connection.
- The following network support must be configured when deploying solutions to network-attached target computers:
  - TCP/IP
  - DNS
- An SVGA monitor with a minimum 1024 x 768 video resolution configured to display a minimum color depth of 256 colors.
- Approximately 13 GB of disk space. Refer to the readme for complete disk space requirements.
- A minimum of 512 MB; preferred, 1 GB of memory.

**Target computer requirements**

The target computer that you deploy the tools included with the Express Runtime application development toolkit, must meet certain software and hardware requirements. See the requirements for each tool before you deploy that tool to a target computer.

**WebSphere Application Server Express 6.0 for Linux (for Intel) hardware requirements:**

- Linux for Intel: Intel® x86 processor at 500 MHz or faster
- Intel EM64T, or AMD 64-bit Opteron (32-bit kernel support only) minimum of 995MB available disk space (including IBM Software Developer Kit)
- minimum of 512MB memory, 1 GB recommended
- CD-ROM drive

**Websphere Application Server Express 6.0 Windows hardware requirements:**

- Intel Pentium processor (or equivalent) at 500 MHz or faster
- Intel EM64T, or AMD 64-bit, Opteron (32-bit Operating System support only)
- minimum 990 MB free disk space for installation (includes SDK)
- minimum 512 MB physical memory; 1 GB recommended
- CD-ROM drive

**DB2 Universal Database Express 8.2 Development Environment for Linux hardware requirements:**

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1. The OS/400 operating system is known as the i5/OS operating system beginning with V5R3.

- x86 requires Intel Pentium 4 or higher, Intel Xeon, or AMD Athlon based systems
- x86-64 requires Intel EM64T or AMD64 based systems
- POWER requires IBM eServer OpenPower, iSeries, or pSeries systems that support Linux
- Memory requirements: at a minimum, DB2 UDB requires 256 MB of RAM. 512MB of RAM memory is recommended
- Disk space requirements: the disk space required for your product depends on the type of installation you choose and the type of file system you have. The DB2 Setup wizard provides dynamic size estimates based on the components selected during a typical, compact, or custom installation.
- Communication requirements: TCP/IP is required to access remote databases.

**DB2 Universal Database Express 8.2 Development Environment for Windows hardware requirements:**
- For DB2 on 64-bit Windows, Intel Itanium, or higher, is required
- For DB2 products running on Intel systems, a Pentium® central processing unit (CPU), or higher
- For AMD systems, an AMD Athlon CPU
- Memory requirements: at a minimum, DB2 UDB requires 256 MB of RAM. 512MB of RAM memory is recommended
- Disk space requirements: the disk space required for your product depends on the type of installation you choose and the type of file system you have. The DB2 Setup wizard provides dynamic size estimates based on the components selected during a typical, compact, or custom installation.
- Communication requirements: you can use TCP/IP, Named Pipes, and NetBIOS. To remotely administer a DB2 Version 8 database, you must connect using TCP/IP.

**Rational Web Developer (Windows and Linux) hardware requirements:**
- Intel ® Pentium ® III 800 MHz or higher
- Display,,minimum requirements:1024 x 768
- 768MB RAM minimum; 1GB RAM recommended
- Disk space requirements: 3.0 GB minimum for installing Web Developer and additional disk space for development resources (minimum disk space can be reduced if optional features and run times are not installed).

**OS/400 and i5/OS software requirements for all tools**
- OS/400 V5R2 (5722SS1) or i5/OS V5R3 (5722SS1)
- Host Servers (5722SS1, option 12)
- QShell (5722SS1, option 30)
- Java Developer Kit 1.4 (5722JV1, option 6)
- Crypto Access Provider 128-bit (5722AC3)
- WebSphere version 6 group and cumulative PTFs (most recent)

# Installing the Express Runtime application development toolkit

When you start the Express Runtime application development toolkit installation, the setup files are automatically unpacked. This can take anywhere from a few seconds to several minutes, depending on the speed of your system, the condition of your hard disk (fragmented), and the speed of your disk access. Laptop

computers with their slower disk access might require several minutes to complete this process. You should notice disk and CPU activity during this process. Please wait while this unpacking completes.

## Launchpad

In Microsoft Windows the launchpad dialog starts automatically from the installation CD. If it does not start automatically, you can start it by using the WindowsLaunchpad program on Microsoft Windows

To start the launchpad dialog on Linux, use the LinuxLaunchpad program.

The launchpad dialog provides links to the following tasks:
- Viewing the Express Runtime application development toolkit readme file
- Viewing the Express Runtime application development toolkit product documentation
- Deploying a solution

Click the links on the launchpad to go to the task descriptions and steps, or click **Exit** to quit. To continue with the installation documentation, click **Deploy Solution**.

## Select a language

When you click **Deploy Solution** from the launchpad, or double-click WindowsSetup.exe from the Install directory of the installation disk, you are prompted to select a language.

Select the language that you want to use for the installation of the Express Runtime application development toolkit and click **OK**.

## Welcome

The Welcome dialog displays the name of the product to be installed..

Read the dialog text and click **Next**.

## Select an installation location

The installation directory dialog prompts you for a destination to install The Express Runtime application development toolkit. This dialog is not displayed if you have previously installed Express Runtime application development toolkit on this computer.

Either accept the default destination or select a new destination. Additional subdirectories are created under the destination directory.

You can either manually enter a directory or click **Browse** to navigate to a directory where you want to install the Express Runtime application development toolkit.

Click **Next**.

## Review installation summary

The summary panel shows the installation directory, the features to be installed, and the estimated total size of the features that you selected to install.

Review your installation options before beginning the installation. To make changes, click **Back** to return to the previous dialogs and make any necessary changes.

Click **Next** to begin the installation.

## The deployment wizard

When the installation of the Express Runtime application development toolkit completes, the deployment wizard is displayed. The deployment wizard helps you deploy any of the tools that are part of the Express Runtime application development toolkit to one or more target computers. The end-to-end process for using the deployment wizard is documented in the "Chapter 3, "Deploying," on page 9" section of this InfoCenter.

## Silent installation

You can perform a silent installation of the solutions of the Express Runtime application development toolkit by modifying IRU_install.iss. By default this response file resides in the installation root directory.

To modify IRU_install.iss, perform the following steps:
1. Open IRU_install.iss in a text editor.
2. Uncomment the -silent option.
3. Uncomment the Task file name option.
4. Save IRU_install.iss.

When you have modified IRU_install.iss, you can modify the task file. A task file is an .xml file that stores information about the tasks that are part of a solution, and target computers that each task in a solution is deployed to. By default, the task file is named *solution name*_Task.xml where *solution name* corresponds to the name of the solution that the task file is associated with. By modifying the task file, you can specify tasks to deploy, target computers, and other information, such as the password that is used by the IBM Installation Agent so that you can silently deploy to remote computers.

To modify the task file, perform the following steps:
1. Open the task file in a text editor.
2. If you are deploying to remote computers locate the createkey element. Modify the phrase attribute to match the password of the IBM Installation Agent that is running on the computers you want to deploy to. If you are deploying locally, you don't need to provide a value for this attribute.
3. For each task that is part of a solution, modify the task file to specify target computers that the task is deployed to, the applications that are deployed to the target computer, and configuration parameters for the application.
4. Save the task file.

When you have modified the response and task files, you can initiate a silent installation.

To initiate a silent installation, perform the following steps:
1. Copy the contents of the disk1 folder, and the bin subdirectory of all folders for disk2 and above from the Express Runtime application development toolkit to the computer that you are deploying from.

2. Navigate to the disk1 folder, and double-click the launchpad executable for the operating system you use. Installation progresses without any panels being displayed to the user.

3. View log files to confirm a successful installation. The log files are in the location that is specified in the User files default location section of IRU_install.iss

## Uninstalling the Express Runtime application development toolkit

When you exit the deployment wizard for any reason, the Express Runtime application development toolkit runs an unistallation program that removes all of the contents that were added to your computer during installation. In this way, the Express Runtime application development toolkit does not leave code behind when it is not in use.

# Chapter 3. Deploying

This section contains the procedure for using the deployment wizard to deploy solutions that are provided as part of the Express Runtime application development toolkit.

## Using the deployment wizard

The deployment wizard provides a simple graphical user interface for deploying a solution.

The deployment wizard helps you deploy a solution (.ser file) to target computers that you specify.

The deployment wizard is displayed as a set of steps. Navigate the steps of the deployment wizard by completing them in order and clicking **Back** and **Next** to switch to the previous or subsequent step.

Open a solution to begin the deployment process. To open a solution, perform the following steps:

1. Open the deployment wizard:
   - From Windows: Select **Start > Programs > Express Runtime 2.1 > Start Deployment Wizard**.
   - From Linux: Select **Main Menu > Express Runtime 2.1 > Start Deployment Wizard**.
2. Click **File > Open**.
3. Click the solution with the .ser file extension that you want to deploy and click **Open**. The deployment wizard Welcome dialog is displayed.
4. Click **Next**.

**Note:** If you are deploying from a solution launcher image, such as the Express Runtime application development toolkit, the default solution will automatically open in the deployment wizard.

## Selecting tasks to deploy

The deployment wizard provides a list of all of the tasks that are part of the solution. A task is a set of actions that are performed together. Select any combination of tasks listed in the wizard for deployment to one or more target computers.

To select tasks for deployment, perform the following steps:

1. Select at least one task from the list that is displayed in the deployment wizard, by selecting the corresponding check box.
2. Click **Next**.
3. Tasks might contain one or more sets of subtasks. Select at least one subtask for each task.
4. Click **Next**.

# Define target computers

Define one or more target computers for each task that you select for deployment. You can define up to 100 target computers. To define a target computer, the fully-qualified domain name or the IP address of that computer is required. A fully-qualified domain name includes all higher level domain names up to the top-level domain name.

Use the following guidelines to ensure the correct format of a domain name:
- An alphanumeric text string up to 24 characters in length, containing any of the letters A-Z, digits between 0-9, and the - and . characters.
- The first character must be an alphabetical.
- You can use upper and lowercase letters.
- The last character cannot be a minus sign or a period.
- Only use periods to delimit components of a domain name.
- Do not use blank or space characters.

Use the following guidelines to ensure the correct format for an IP Address:
- A 32-bit numeric address written containing four numbers.
- Each of these four numbers can range from 0 to 255.
- Each of the four numbers is separated by periods.

To define a target computer, perform the following steps:
1. In the target field, type the fully-qualified domain name, or the IP address of the target computer.
2. Click **Add**.
3. Repeat steps one and two for all additional target computers.
4. Click **Test Connections** to verify the deployment wizard can connect to the specified target computers. The Target Computer Data window is displayed and shows the status for each target computer. If the deployment wizard cannot connect to a target computer, verify that the fully-qualified domain name or IP address is correct. If this information is correct, contact the computer owner to determine if the target computer is running and connected to a network.
5. Click **Next**.

# Configuring deployment parameters

The deployment parameters dialog contains the deployment parameters for an application associated with a selected task. Use deployment parameters to configure an installation during deployment. Examples of deployment parameters include user IDs, passwords, and target directories.

In many cases, the deployment parameters can have default values. You can use or modify the default values. The values are shared with all target computers associated with a task.

Complete all the fields on the deployment parameters dialog denoted with an asterisk. Provide deployment parameters for every task in the solution selected for deployment, and click **Next**.

Modify parameters listed on the **Typical** tab only. The parameters on the **Advanced** tab are for advanced users only. Do not modify advanced parameters unless you understand the potential results of changing the parameter.

## Deploying tasks to target computers

The summary dialog of the deployment wizard displays a summary of the tasks that have been selected to deploy and the target computers selected for deployment. An estimate of the time to install each task is provided, along with the summary of the task. This dialog also shows the status of the last attempted deployment for each task.

There are two methods for deploying tasks. Click **Deploy Task** to deploy each task individually. Click **Deploy All** to deploy all of the tasks that are displayed on the summary dialog sequentially.

If the files required for deployment span more than one disk or cannot be located, the Deployment Packages Needed dialog prompts you for the correct location of each of the deployment packages JAR files that do not exist in the default directory. You must enter the proper path for each required file before deployment can begin. A dialog prompts you for each file directory needed to complete the deployment.

## Viewing deployment status

The status dialog of the deployment wizard provides detailed information on the deployment process. It contains deployment status and messages that explain the reason for any errors that occurred during deployment. To view a list of all the messages that are displayed during deployment, click **Detailed Messages**. Detailed messages provides the name of the solution, time, and the target computer for the deployment of each solution.

To view a log of the tasks that were performed during deployment, click **Master Log**. The Master log provides a list of every action that occurred as part of deployment. You might need to refer to this information when debugging unsuccessful deployments.

## Deployment logging options

You can use specific logging options in the deployment wizard to generate log files that provide information that is useful to have when resolving problems that you might encounter during deployment. You can enable logging to provide diagnostic information that is related to the Express Runtime support framework, the deployment wizard, or both. The logging capability of Express Runtime records Express Runtime support framework diagnostic information and the deployment wizard diagnostic information in separate log files. You can specify the name that you want to use for each log file, and the maximum amount of space that each log file can physically occupy.

Logging diagnostic information is CPU intensive, and therefore slows system performance. Use diagnostic logging only when it is necessary for troubleshooting a deployment.

To use deployment logging, perform the following steps:
1. From the deployment wizard select **Edit > Preferences**.

2. From the Deployment Preference dialog, click **Diagnostic Trace**.
3. In the Diagnostic Trace dialog, select the checkbox that corresponds to the type of diagnostic information you want logged. You can select Express Runtime support framework information, deployment wizard information, or both.
4. Provide a name for the file to which diagnostic information is recorded.
5. Provide a value for the maximum amount of space that each log file can physically occupy.
6. From the Diagnostic Trace dialog, click **OK**.
7. From the Deployment Preference dialog, click **OK**.

The log files that the deployment wizard generates are saved in the following locations:

- *Installation_Directory*/SolutionEnabler/logs/
- *Installation_Directory*/IIA/logs/

You can also use deployment diagnostic logging when you start the deployment wizard from the command line.

To use deployment diagnostic logging when you start the deployment wizard from the command line, you can apply the following arguments:

- **-enableSolutionDeployerTrace** - Enables the deployment wizard diagnostic logging.
- **-solutionDeployerTraceFile** - Sets the name of the deployment wizard log file.
- **-maxSolutionDeployerTraceFileSize** - Sets the maximum size of the deployment wizard log file.
- **-enableSupportFrameworkTrace** - Enables the support framework diagnostic logging.
- **-supportFrameworkTraceFile** - Sets the name of the support framework log file.
- **-maxSupportFrameworkTraceFileSize** - Sets the maximum size of the support framework log file.

The following command provides an example of a command line invocation of a solution that uses all of the available arguments to perform diagnostic values:

```
DJTJRE\bin\java -jar DJT_ibmnsit.jar -enableSolutionDeployerTrace
-solutionDeployerTraceFile myTrace.log -maxSolutionDeployerTraceFileSize 10
-enableSupportFrameworkTrace -supportFrameworkTraceFile mySupportTrace.log
-maxSupportFrameworkTraceFileSize 2
```

# Chapter 4. Reference

This section lists the messages generated by the deployment wizard, and the installation program. You can use the information in this chapter to identify and resolve an error using the appropriate recovery action. You can also use this information to understand where messages are generated and logged.

## Messages

This chapter lists the messages generated by the deployment wizard, the IBM Installation Agent, and their respective installation programs. You can use the information in this chapter to identify and resolve an error using the appropriate recovery action. You can also use this information to understand where messages are generated and logged.

The user responses for several messages suggest that you print the log file before calling your solution provider. Some log files are displayed in the deployment wizard messages detail window during an active session. Log files are typically returned in the language of the target computer. When using the deployment wizard, some log files might not be readable if the language of the log file is not supported by the operating system on the staging server. Similarly, some log files might not be readable if the language of the log file is not supported by the operating system on the target computer.

Message identifiers consist of a 3-character message prefix followed by a five-digit message number. Tokens, such as {0}, {1}, and so on, are used in many messages. These tokens represent computer names, application names, files names, or directory names. The appropriate value is substituted for the token when the message is displayed.

### IRU00000 messages

IRU00000 messages

#### IRU00000
**Explanation:**

The command issued during deployment. : The following command was issued: {0}

**User response:**

This is an informational message. No action is required.

#### IRU00001

Exception occurred issuing command. Exception: {0}

**Explanation:**

The command failed due to the listed exception.

**User response:**

This is an informational message. No action is required.

### IRU00002

`There are no files defined for this software.`

**Explanation:**

There are no files defined for this software in the application wrapper.

**User response:**

Contact your solution provider.

### IRU00003

`The path specified does not contain the files necessary to create this deployment package.`

**Explanation:**

If you copied the solution components to a network drive, you might not have maintained the directory structure of the original install image. The file structure of the install image must be maintained when copying files to a local area network (LAN) or other location.

**User response:**

If the files were copied to a LAN, ensure that the file structure is the same as the original install image. You should also try the deployment from the original image.

If the problem persists, contact your solution provider.

### IRU00004

`The directory specified is not valid.`

**Explanation:**

The directory cannot be accessed.

**User response:**

Verify that the directory that you specified actually exists. If the problem persists, contact your solution provider.

### IRU00005

`The process of creating a deployment package completed successfully.`

**Explanation:**

The deployment wizard successfully created the package for the application.

**User response:**

For information only. No action required.

### IRU00006

`An error occurred processing the command {0}.`

**Explanation:**

The deployment wizard encountered an internal error on the staging server.

**User response:**

Restart the deployment wizard. If the problem persists, contact your solution provider.

### IRU00007

`The solution file {0} does not exist.`

**Explanation:**

You must give a binary solution file name as a parameter for the `-solutionFileName` option when starting the deployment wizard.

**User response:**

Enter the binary solution file name, for example, `mysolution.ser`.

### IRU00008

`The file {0} was not found in either of the following search paths: {1} or {2}.`

**Explanation:**

A file required to create the deployment package was not found.

**User response:**

Unless you specified it differently, the default log file is IRU_DeploymentWizard.log and is located in the directory where Express Runtime is installed. The log file indicates which file was not found. Make sure that the specified file exists and retry the create step.

### IRU00009

`The process of creating a deployment package was cancelled.`

**Explanation:**

The process of creating a deployment package did not complete because of user intervention.

**User response:**

For information only. No action required.

### IRU00010

`The software image root was not specified.`

**Explanation:**

A software image root must be specified before the deployment package creation can proceed. There is no default available.

**User response:**

Enter the software image root.

### IRU00011

`The deployment package could not be created in the deployment package path for the following reason: {0}.`

**Explanation:**

There was a problem creating the deployment package.

**User response:**

Ensure that the directories specified in the file list for your application wrapper exist and that the image root (either `softwareImageRoot` or `userProgramsRoot`) specified locates those directories correctly. If the problem persists, contact your solution provider.

### IRU00012

`The deployment package path is not valid.`

**Explanation:**

The specified directory cannot be found. There are several possible reasons:
- The directory was never created.
- The directory was deleted.
- The directory resides on a drive that the staging server cannot currently access (for example, an unmapped network drive).

**User response:**

Specify a valid deployment package path.

### IRU00013

`A communication socket was created on port {0}.`

**Explanation:**

The communication port was created successfully.

**User response:**

For information only. No action required.

### IRU00014

`Failed creating file {0}`

**Explanation:**

The file could not be created.

**User response:**

Refer to message IRU00013 for the reason the file could not be created.

### IRU00015

`Port {0} is not available.`

**Explanation:**

The port specified on the preferences panel is already in use.

**User response:**

Specify a different port.

### IRU00016

`The IBM Installation Agent must run with {0} special authority to perform
an install.`

**Explanation:**

The special authority, listed in the message, is required to perform the necessary install actions.

**User response:**

Stop the IBM Installation Agent and restart it from a user ID with the correct authority.

### IRU00017

`The log file for this application does not exist.`

**Explanation:**

There was a problem creating the log file.

**User response:**

Ensure that the file is valid and is not set as read-only.

### IRU00018

`{0} is an invalid file name or write access is denied.`

**Explanation:**

The specified file name is not valid or you do not have write access.

**User response:**

Ensure that the specified file name is valid and that you have write access to the file.

### IRU00019

`Group PTF {0} level {1} for product {2} applied successfully.`

**Explanation:**

The group PTF was successfully applied to the system.

**User response:**

This is an informational message. No action is required.

### IRU00020

`Both phrases are required.`

**Explanation:**

Both the key value and confirm value are required to create security keys.

**User response:**

Enter both the key value and confirm value again.

### IRU00021

`The two phrases do not match.`

**Explanation:**

The confirm value for the security key does not match the key value.

**User response:**

Enter the key value and confirm value again.

### IRU00023

`If you exit now, the current deployment will end. Do you want to exit the deployment wizard now?`

**Explanation:**

You requested to close the deployment wizard while it is deploying applications. If you exit now, the deployment will not be completed.

**User response:**

Select Yes to end the deployment and close the deployment wizard. Select No to continue the deployment.

## IRU00025

```
Stopping now will abnormally end the deployment on a target computer. Are
you sure you want to stop now?
```

**Explanation:**

You requested to stop the deployment process on the staging server while it is deploying applications on a target computer. If you stop the process now, the deployment on the target computer will not be complete and will end abnormally.

**User response:**

Select OK if you want to stop the deployment.

## IRU00028

```
You must restart the deployment wizard for the port number changes to take
effect.
```

**Explanation:**

Changes will not take effect until you close and restart the deployment wizard.

**User response:**

If you want the port number changes to take effect immediately, restart the deployment wizard now.

## IRU00029

```
You cannot add more than 100 computers to each task.
```

**Explanation:**

You are trying to add more computers to a task than permitted. Only 100 computers can be included in each task.

**User response:**

To deploy this task to more than 100 target computers, you will need to deploy the task more than once, modifying the target host name list for each deployment.

## IRU00034

```
The specified target computer, {0}, is already included in the list.
```

**Explanation:**

The target computer is already specified in the list, either by the name indicated, or by an alias.

**User response:**

Specify a different target computer.

### IRU00036

```
You did not enter information for a required field.
```

**Explanation:**

All required fields must contain information before you can continue to the next step.

**User response:**

Enter the required information in all fields marked with an asterisk (*).

### IRU00039

```
You cannot view or edit the deployment parameters for this software.
```

**Explanation:**

No deployment parameters are required for the software.

**User response:**

For information only. No action required.

### IRU00044

```
A host name must begin with an alphabetic character (A-Z). An IP address
must begin with a numeric character (0-9).
```

**Explanation:**

Host names can be specified as either a name or IP address.

**User response:**

Enter a valid host name or IP address.

### IRU00045

```
A host name cannot end with a period (.).
```

**Explanation:**

Host names can be specified as either a name or IP address.

**User response:**

Enter a valid host name.

### IRU00046

```
A host name cannot end with a dash (-).
```

**Explanation:**

Host names can be specified as either a name or IP address.

**User response:**

Enter a valid host name.

### IRU00048

```
A host name can consist only of alphanumeric characters (A-Z, 0-9), a dash
(-), or a period (.).
```

**Explanation:**

Host names can be specified as either a name or IP address.

**User response:**

Enter a valid host name.

### IRU00049

```
A period (.) can only be used as a delimiter in a host name.
```

**Explanation:**

A period can only be used in a host name when you specify an IP address. An example of a valid IP address is: 3.65.255.0

**User response:**

Enter a valid host name.

### IRU00050

```
An IP address must be entered as 4 numbers separated by periods (.).
```

**Explanation:**

The IP address that you entered is not valid. An example of a valid IP address is: 3.65.255.0

**User response:**

Enter a valid IP address.

### IRU00051

```
Each number in an IP address must be between 0 and 255, inclusive.
```

**Explanation:**

The IP address that you entered is not valid. An example of a valid IP address is: 3.65.255.0

**User response:**

Enter a valid IP address.

### IRU00052

```
An IP address can contain only numeric characters (0-9) and use periods (.)
as delimiters.
```

**Explanation:**

The IP address that you entered is not valid. An example of a valid IP address is: 3.65.255.0

**User response:**

Enter a valid IP address.

### IRU00053

```
The number of tokens provided did not match the number expected for
resource bundle {0} with key {1}. The expected number of tokens is {2}.
```

**Explanation:**

An internal error prevented the message from being displayed.

**User response:**

Contact your solution provider.

### IRU00054

```
The resource bundle {0} with key {1} is not valid in the abstraction
object.
```

**Explanation:**

An internal error prevented the message from being displayed.

**User response:**

Contact your solution provider.

### IRU00055

```
The key {1} you provided is not valid for the resource bundle {0}.
```

**Explanation:**

An internal error prevented the message from being displayed.

**User response:**

Contact your solution provider.

## IRU00056

The resource bundle name {0} is not valid.

**Explanation:**

An internal error prevented the message from being displayed.

**User response:**

Contact your solution provider.

## IRU00057

Token abstractions are missing for a message in resource bundle {0} with key {1}. The missing tokens are {2}.

**Explanation:**

An internal error prevented the message from being displayed.

**User response:**

Contact your solution provider.

## IRU00060

Failed to re-establish communication with the staging server.

**Explanation:**

The staging server that initiated the deployment has been restarted or is no longer network accessible.

**User response:**

Restart the staging server to reestablish the communication with the IBM Installation Agent.

## IRU00061

Communication with the staging server successfully re-established.

**Explanation:**

The IBM Installation Agent has restarted and reestablished a connection to an existing deployment.

**User response:**

For information only. No action required.

### IRU00062

```
The target computer will restart during the {0} deployment. You will be
notified once the target computer is restarted.
```

**Explanation:**

The deployment requires the target computer to be restarted.

**User response:**

For information only. No action required.

### IRU00063

```
The target computer has restarted.
```

**Explanation:**

The deployment required the target computer to be restarted.

**User response:**

For information only. No action required.

### IRU00066

```
Another process modified the original solution. Do you want to overwrite
those changes?
```

**Explanation:**

The currently loaded solution was modified by another application.

**User response:**

Select Yes to overwrite the other changes, or select No to keep the other changes. You can also use the SaveAs option to avoid losing your changes and not overwriting the other changes.

### IRU00067

```
The solution has changed. Do you want to save the changes?
```

**Explanation:**

You made changes that affected the solution file.

**User response:**

Select Yes to save these changes. Select No to discard them.

### IRU00068

A file with the same name already exists. Do you want to overwrite that
file?

**Explanation:**

A file with the same name already exists.

**User response:**

Select Yes to overwrite the existing file. Otherwise, select No .

### IRU00069

The file name you specified is not valid.

**Explanation:**

The specified file name is not valid.

**User response:**

Check the file name to be sure it does not include special characters.

### IRU00070

The file {0} cannot be saved in a read-only directory. You must select
another location to save to.

**Explanation:**

The specified file is located in a read-only directory, and therefore cannot be saved
to that directory.

**User response:**

Choose the File->Save As menu option and select another directory in which to
save the file.

### IRU00087

Help could not be loaded; the help set {0} was not found.

**Explanation:**

The deployment wizard help panels could not be loaded.

**User response:**

Contact your solution provider.

### IRU00088

The help set was not found.

**Explanation:**

The deployment wizard help panels could not be loaded.

**User response:**

Contact your solution provider.

### IRU00089

`The file {0} could not be loaded.`

**Explanation:**

The specified file either could not be found or it contained an error within the file.

**User response:**

Ensure that the file exists and is a valid file.

### IRU00090

`The invocation option -{0} is not valid.`

**Explanation:**

The specified invocation option is not valid for the task invoked.

**User response:**

Specify a valid invocation option. To see all of the valid options for this task, use the -? option.

### IRU00091

`The invocation option -{0} requires {1} arguments and {2} arguments were`
`provided.`

**Explanation:**

The specified invocation option requires a different number of arguments than you provided.

**User response:**

Provide the correct number of arguments.

### IRU00092

`A dash (-) must precede each invocation option.`

**Explanation:**

You did not include the required dash (-) before the invocation option.

**User response:**

Enter the invocation option again.

### IRU00093

```
The invocation option -{0} is required.
```

**Explanation:**

You must include the specified invocation option for the task.

**User response:**

Enter the invocation option again.

### IRU00094

```
A dash (-) is not a valid invocation option.
```

**Explanation:**

You did not include the name of the invocation option, only the dash.

**User response:**

Enter the invocation option again using all required options.

### IRU00095

```
The invocation option -{0} requires {1} arguments and only 1 argument was
provided.
```

**Explanation:**

The specified invocation option requires a different number of arguments than you provided.

**User response:**

Enter the invocation option again using the full name of the invocation option.

### IRU00096

```
The argument {0} is not valid for option -{1}.
```

**Explanation:**

You cannot use the specified argument with this invocation option.

**User response:**

Enter the invocation option again.

### IRU00097

```
See log file {0} for more details.
```

**Explanation:**

The specified log file contains the details of the situation.

**User response:**

Check the log file for information.

### IRU00098

`Either the -phrase or -display option must be used, but not both.`

**Explanation:**

You must use one of the two options, but not both of them.

**User response:**

Choose the option that you want to use, and enter the invocation option again.

### IRU00099

`The deployment parameters are not configured for task {0}.`

**Explanation:**

You cannot install the software for the specified task until deployment parameters are configured.

**User response:**

Configure the software before you try to install it.

### IRU00101

`The install task {0} does not exist for the solution {1}.`

**Explanation:**

You entered a task number that does not exist in the solution specified.

**User response:**

Enter a valid task name.

### IRU00103

`There is no software for task {0}.`

**Explanation:**

There are currently no software applications defined for the specified task.

**User response:**

For information only. No action required.

### IRU00104

`The deployment package {0} could not be created.`

**Explanation:**

The specified deployment package could not be created.

**User response:**

Ensure that the required files are present. Also, check the log files for any further error messages.

### IRU00105

`An error occurred processing file set.`

**Explanation:**

An error occurred accessing a file.

**User response:**

Ensure that the directory where the Application generator is invoked has free space and is not write protected.

### IRU00108

`The deployment package path {0} does not exist.`

**Explanation:**

You specified a path that does not currently exist.

**User response:**

Verify that the path that you specified is correct.

### IRU00109

`The solution file {0} does not support the {1} language.`

**Explanation:**

You specified a language that is not supported in the solution.

**User response:**

Either create a new solution to include the language for the software, or change the language of the software.

### IRU00110

`The software {0} does not support the {1} language.`

**Explanation:**

You specified a software application that does not support the solution language.

**User response:**

Either create a new solution to include the language for the software, or change the language of the software.

### IRU00111

```
The solution {0} could not be opened.
```

**Explanation:**

The specified binary solution file could not be accessed. It could be corrupted or it might not exist with the name that you entered.

**User response:**

Ensure that the specified name is spelled correctly and that the file resides in the correct location. If you still have problems, contact your solution provider.

### IRU00112

```
The solution {0} is invalid.
```

**Explanation:**

The path specified for the deployment packages is not valid.

**User response:**

Ensure that the specified path exists and points to a writable directory.

### IRU00113

```
The software {0} does not support the {1} operating system.
```

**Explanation:**

You specified a software application that does not support the solution operating system.

**User response:**

Either create a new solution to include the operating system for the software, or change the operating system of the software.

### IRU00115

```
You do not have write access to the deployment package path {0}.
```

**Explanation:**

The path specified for deployment packages must be writeable.

**User response:**

Specify a writeable deployment package path to store the deployment packages.

## IRU00116

```
The deployment package path {0} is read-only, so the deployment package(s)
can not be removed.
```

**Explanation:**

The deployment package cannot be deleted because it is located in a path with read-only access.

**User response:**

Specify a writable deployment package path to store the deployment packages.

## IRU00117

```
The saved deployment package path is invalid. The default path {0} has been
restored.
```

**Explanation:**

An invalid build images path was specified, or no build images path was specified. A default path will be used.

**User response:**

No action required. However, if a specific build images path is desired, ensure that the path specified exists.

## IRU00118

```
The deployment wizard version {0} detected agent version {1} which is not
compatible.
```

**Explanation:**

The computer that you have targeted is running an agent version that is not compatible with the version of the deployment wizard that you are using.

**User response:**

Ensure that the computer that you want to deploy software on has a version of the agent that is compatible with the version of the deployment wizard that you are using.

## IRU00119

```
WARNING: The log file is larger than 2MB. Only the most recent 2MB of log
information is displayed below. Please see IRU_IIA.log for more details.
```

**Explanation:**

The log file is too large to display through the deployment wizard interface.

**User response:**

For information only. No action required.

### IRU00120

```
Specify the {0} attribute or the {1} attribute, or both attributes, when
you invoke the task {2}.
```

**Explanation:**

At least one of the two options must be called when invoking this task.

**User response:**

Invoke the task again, calling at least one of the specified options.

### IRU00121

```
The invocation option -{0} will not be used.
```

**Explanation:**

You specified an unnecessary invocation on the command line, which will not be used by the generator.

**User response:**

For information only. No action required.

### IRU00122

```
Jar file {0} created successfully.
```

**Explanation:**

The JAR file specified was successfully created.

**User response:**

For information only. No action required.

### IRU00123

```
The user {0} does not have {1} authority. You must have {1} authority to
perform any tasks.
```

**Explanation:**

The current user does not have the proper permissions to run the agent.

**User response:**

Login as a user with the proper authority and try again.

### IRU00301

The data port configured for the deployment wizard is not available.

**Explanation:**

The port specified for data communications is already being used.

**User response:**

Select a different port.

### IRU00302

The value {0} exceeds the range {1} - {2}.

**Explanation:**

The value that you specified is outside of the valid range.

**User response:**

Specify a valid value within the range {1} - {2}.

### IRU00303

The deployment wizard is configured to use port number {0} as its communication port. That port is already being used by another process.

**Explanation:**

The specified port number for the communication port is already being used.

**User response:**

Specify a different communication port number.

### IRU00304

The communication port {0} is already assigned.

**Explanation:**

The communication port that you specified in the preferences is being used by another process.

**User response:**

Modify the user communication port setting to a port not in use.

### IRU00308

Are you sure you want to exit? No changes will be saved.

**Explanation:**

The user is attempting to exit the deployment wizard during a deployment.

**User response:**

For information only. No action required.

# IRU02000 messages

IRU02000 messages

### IRU02006

`The entry {0} is not valid for {1}.`

**Explanation:**

The value that you entered for the field {1} is not a valid value.

**User response:**

Enter a valid value in the field.

### IRU02007

`A required value for {0} was not found.`

**Explanation:**

No value was entered for the required field {0}.

**User response:**

Enter a valid value for the required field.

### IRU02008

`The prefix {0} is not valid for {1}.`

**Explanation:**

The value that you entered contains a substring that is not allowed.

**User response:**

Edit your entry to remove the invalid substring.

### IRU02009

`A required prefix for {0} was not found.`

**Explanation:**

The value that you entered must begin with a specific prefix.

**User response:**

Enter a valid prefix and the remainder of the value for this field. See the online help for configuration.

### IRU02010

`The suffix {0} is not valid for {1}.`

**Explanation:**

The value that you entered must end with a specific suffix.

**User response:**

Enter a value that ends with a valid suffix.

### IRU02011

`A required suffix for {0} was not found.`

**Explanation:**

The value that you entered must end with a specific suffix.

**User response:**

Enter the value for this field and end it with a valid suffix. See the online help for configuration.

### IRU02012

`The substring {0} is not valid for {1}.`

**Explanation:**

The value that you entered contains a substring that is not allowed.

**User response:**

Edit your entry to remove the invalid substring.

### IRU02013

`A required substring for {0} was not found.`

**Explanation:**

The value that you entered must contain a specific substring for {0}.

**User response:**

Enter a valid value that includes the required substring.

### IRU02014

`The character {0} is not valid for {1}.`

**Explanation:**

The value that you entered contains an invalid character: {0}.

**User response:**

Enter the value without the invalid character.

### IRU02015

A required character for {0} was not found.

**Explanation:**

The value that you entered must contain a specific character.

**User response:**

Enter a valid value that includes the required character.

### IRU02016

The entry for {2} is outside of the range {0} to {1}.

**Explanation:**

The value must be within the range {0} to {1}.

**User response:**

Enter a value within the specified range.

### IRU02017

The entry for {2} is within the range {0} to {1}.

**Explanation:**

The value cannot be within the range {0} to {1}.

**User response:**

Enter a value outside of the specified range.

### IRU02018

The selection is not valid.

**Explanation:**

The item selected is not valid.

**User response:**

Select a different item.

### IRU02019

The maximum length is {0} characters.

**Explanation:**

The value entered exceeds the maximum length of {0}.

**User response:**

Enter no more than {0} characters.

### IRU02020

```
The minimum length is {0} characters.
```

**Explanation:**

The value entered is fewer than the minimum length of {0}.

**User response:**

Enter at least {0} characters.

### IRU02021

```
The fields do not match.
```

**Explanation:**

The confirm value for the password does not match.

**User response:**

Enter the password and confirm value again.

### IRU02022

```
The solution file, {0}, does not exist or cannot be written to.
```

**Explanation:**

The specified file could not be found or is not writeable.

**User response:**

Ensure that the specified file exists and is writeable.

### IRU02024

```
The following applications must be configured before this task will be
deployable: {0}. Would you like to run the deployment wizard to configure
them now?
```

**Explanation:**

A task cannot be deployed until all of the applications are configured.

**User response:**

Run the deployment wizard and configure the applications or abort the deployment of the task.

# IRU03000 messages

IRU03000 messages

### IRU03000

`The deployment was successful for {0}.`

**Explanation:**

The software deployed successfully on the target computer.

**User response:**

For information only. No action required.

### IRU03001

`The deployment failed for {0}.`

**Explanation:**

The software failed to deploy on the target computer.

**User response:**

Analyze the log file associated with the failed deployment to determine the source of the error. Try to correct the error and then try the deployment again. If the problem persists, print the log file and contact your solution provider.

### IRU03002

`The deployment wizard timed out waiting for {0} to complete deployment.`

**Explanation:**

The deployment of the application exceeded the maximum timeout allowed by the staging server.

**User response:**

If there is an active connection and the target computer is operating normally, restart the IBM Installation Agent on the target computer and the deployment wizard on the staging server. Try the deployment again.

If the problem persists, print the log file and contact your solution provider.

### IRU03003

`The deployment wizard could not establish a network connection with computer {0}.`

**Explanation:**

The deployment wizard could not establish a network connection with the target computer. This error could occur because the IBM Installation Agent is not installed or running on the target computer or because the computer is not currently online, powered on, or connected to the network. This error could also be encountered if the deployment wizard was terminated while deploying applications to the target computer.

**User response:**

Check the target computer to see if the agent is installed and running. If there is an active connection and the target computer is operating normally, restart the IBM Installation Agent on the target computer and the deployment wizard on the staging server. Try the installation again.

If the problem persists, print the log file and contact your solution provider.

## IRU03004

The key phrases on the staging server and the target computer {0} do not match.

**Explanation:**

The key phrases must be identical on the staging server and all target computers. The key phrase for the IBM Installation Agent on the specified target computer does not currently match that of the staging server.

**User response:**

Generate a new key phrase on the target computer to match that of the staging server.

## IRU03005

There was a problem when comparing the keys on the server and client.

**Explanation:**

Before the IBM Installation Agent will accept an installation from the staging server, it verifies that there are matching security keys on both the target computer and the staging server.

**User response:**

Ensure the following:
- There are matching security keys on the target computer and the staging server.
- There is sufficient authority to write to the target computer.
- There is enough space on the target computer.

If the problem persists, print the log file and contact your solution provider.

## IRU03006

An error occurred on computer {0}.

**Explanation:**

The deployment wizard encountered an internal error on the specified target computer.

**User response:**

Contact your solution provider.

### IRU03007

`The deployment process was terminated.`

**Explanation:**

The deployment process was terminated from either the staging server or the target computer.

**User response:**

For information only. No action required.

### IRU03008

`All RPMs are already installed.`

**Explanation:**

All files associated with the application are already installed.

**User response:**

For information only. No action required.

### IRU03009

`RPM {0} is already installed.`

**Explanation:**

The RPM package is already installed.

**User response:**

For information only. No action required.

### IRU03010

`The deployment for RPM {0} is starting.`

**Explanation:**

Deployment is in progress for the specified RPM package.

**User response:**

For information only. No action required.

### IRU03011

The host name of the target computer cannot be resolved by the Domain Name
Server.

**Explanation:**

The host name identified for the target computer is either not correct or the
Domain Name Server is down.

**User response:**

Verify that the host name is correct and that the <domain name> server is up and
running.

### IRU03012

The deployment wizard cannot connect to the IBM Installation Agent on the
target computer.

**Explanation:**

The deployment wizard is unable to connect to the target computer. The IBM
Installation Agent might not be started or installed.

**User response:**

Verify that the agent is installed and running on the target computer.

### IRU03013

The connection to computer {0} was lost.

**Explanation:**

The network connection to the target computer was lost.

**User response:**

Verify that both the staging server and the target computer can communicate with
the network.

### IRU03014

The deployment failed.

**Explanation:**

Deployment of the application did not complete successfully.

**User response:**

See the deployment log file for details of the problem.

### IRU03015

A data socket was created on port {0}.

**Explanation:**

The data communications port was created on the specified port.

**User response:**

For information only. No action required.

### IRU03016

```
The deployment wizard is configured to use port number {0} as its data
port. That port is already being used by another process.
```

**Explanation:**

You are trying to use the same port for two programs. This is not allowed by the operating system. One possible way you received this error is if you started the deployment wizard twice from the same solution only a few seconds apart. The deployment wizard in the background might seem locked; this is because the second instance of the deployment wizard starting caused an error.

**User response:**

Close the second instance of the deployment wizard. Or, if you need two Deployers running simultaneously, change the value for the data port and the second instance of the deployment wizard, and save the new solution with a different file name using the File -> SaveAs menu function.

### IRU03017

```
An internal programming error occurred.
```

**Explanation:**

An unknown internal programming error occurred.

**User response:**

Contact your solution provider.

### IRU03018

```
The task deployment is complete.
```

**Explanation:**

The selected task deployment has completed for this target computer.

**User response:**

For information only. No action required.

### IRU03019

```
The task deployment failed.
```

**Explanation:**

One or more of the selected solution applications in the task failed to deploy.

**User response:**

Analyze the log file associated with the failed deployment to determine the source of the error. Try to correct the error and then try the deployment again. If the problem persists, print the log file and contact your solution provider.

### IRU03020

The operating system of the target computer does not match the operating system of the task.

**Explanation:**

The operating system defined for this task is not the same as the operating system of the target computer.

**User response:**

Delete this target host name from the task.

### IRU03021

The target computer could not obtain the software from the staging server.

**Explanation:**

The target computer could not obtain the necessary files from the staging server. There might be problems with the network, or there might not be enough free disk space on the target computer to receive the files.

**User response:**

If there is an active network connection and the target computer is operating normally, restart the IBM Installation Agent on the target computer and the deployment wizard on the staging server. Try the installation again.

Ensure that there is enough free disk space available on the target computer and try the installation again.

### IRU03022

Deployment is in progress for {0}.

**Explanation:**

The deployment wizard has started the deployment process for the specified software.

**User response:**

For information only. No action required.

### IRU03023

```
Deployment of {0} did not take place.
```

**Explanation:**

The specified application is already installed on the target computer.

**User response:**

The solution provider has determined that the specified application should not be installed on the target computer. This typically occurs if the application is already installed on the target computer or is not compatible with the target computer.

### IRU03024

```
{0} is not an executable file.
```

**Explanation:**

The deployment wizard could not execute the specified command because the files associated with the software installation did not have the correct permission attributes.

**User response:**

Contact your solution provider.

### IRU03025

```
An error occurred while unpacking the deployment package for {0}.
```

**Explanation:**

The deployment wizard encountered an internal error on the target computer while unpacking the deployment package for the application.

**User response:**

There are a number of possible reasons for this problem. Most likely, you do not have enough space on your IBM Installation Agent working directory, which is the install location. If this is not the cause of your problem, contact your solution provider.

### IRU03026

```
The target computer cannot find the deployment package {0}.
```

**Explanation:**

The deployment wizard cannot find the specified file. This file is necessary for the software installation.

**User response:**

Restart the deployment wizard on the staging server and IBM Installation Agent on the target computer and then start the installation again. If the problem persists,

print the log file and contact your solution provider.

### IRU03027

`The target computer cannot obtain the deployment package {0}.`

**Explanation:**

The deployment wizard encountered a network error while trying to obtain the specified file. This file is necessary for the software installation.

**User response:**

If there is an active connection and the target computer is operating normally, restart the IBM Installation Agent on the target computer and the deployment wizard on the staging server. Try the installation again.

If the problem persists, print the log file and contact your solution provider.

### IRU03028

`The expected operating system for the target computer is {0}.`

**Explanation:**

Based on the task configuration, the deployment wizard expected the operating system for the computer to be the value represented by the token {0}.

**User response:**

For information only. No action required.

### IRU03029

`The operating system of the target computer is {0}.`

**Explanation:**

The operating system of the target computer is {0}.

**User response:**

For information only. No action required.

### IRU03031

`Required files could not be received or unpacked on the target computer:`
`{0}`

**Explanation:**

There is insufficient room on a target computer to either receive or unpack required files.

**User response:**

Ensure that the target computer meets the perquisites.

### IRU03032

Deployment in progress for {0}.

**Explanation:**

The deployment wizard has started the deployment process for the application.

**User response:**

For information only. No action required.

### IRU03033

Deployment failed for {0}.

**Explanation:**

The specified application failed to deploy on the target computer.

**User response:**

Analyze the log file associated with the failed deployment to determine the source of the error. Try to correct the error and then retry the deployment. If the problem persists, print the log file and contact your solution provider.

### IRU03034

{0} is already installed on the target computer.

**Explanation:**

The specified application is already installed on the target computer.

**User response:**

For information only. No action required.

### IRU03035

The prerequisite {0} is not installed on the target computer.

**Explanation:**

The specified prerequisite is missing.

**User response:**

Install the missing prerequisite or contact your solution provider.

### IRU03036

The required port {0} is not available.

**Explanation:**

The specified port number is currently in use by another application.

**User response:**

Move the application using the port to another port number and repeat the deployment.

### IRU03037

```
The deployment wizard could not read file {0}.
```

**Explanation:**

This error occurs on the target machine when the deployment wizard is unable to read the specified file. There are several reasons this could occur. Common causes are that the file specified does not exist, or the user does not have read access to the destination.

**User response:**

Try the deployment again. If the problem persists, print the log file and contact your solution provider.

### IRU03038

```
The deployment wizard could not update file {0}.
```

**Explanation:**

This error occurs on the target machine when the deployment wizard is unable to update the specified file. There are several reasons this could occur. Common causes are that the file specified does not exist, or the user does not have write access to the destination.

**User response:**

Try the deployment again. If the problem persists, print the log file and contact your solution provider.

### IRU03039

```
The deployment wizard could not create user or group.
```

**Explanation:**

The deployment wizard was not able to create the user or group on the target computer.

**User response:**

Consult the solution provider documentation. If you are still unable to resolve the problem, contact your solution provider.

### IRU03040

```
There is not enough free disk space available on {0} for installation.
```

**Explanation:**

The specified target directory does not have enough free space available to install this application.

**User response:**

Ensure that there is enough free disk space available on the drive or mount point specified and try the installation again.

### IRU03041

The deployment wizard cannot write to path {0}.

**Explanation:**

The deployment wizard is unable to save information to the specified directory.

**User response:**

Ensure that the target directory is not read-only.

### IRU03042

{0} could not be installed because {1} is already installed.

**Explanation:**

The application that you are trying to install already exists on the target computer.

**User response:**

For information only. No action required.

### IRU03043

{0} requires Windows NT Service Pack {1} or higher.

**Explanation:**

The deployment wizard cannot install the specified application on the target computer because it requires Windows NT® Service Pack {1} or higher.

**User response:**

Upgrade the service pack on the Windows NT operating system and start the deployment again.

### IRU03044

The Windows NT Service Pack is {0}.

**Explanation:**

The Service Pack level for the Windows NT operating system is the value represented by the token {0}.

**User response:**

For information only. No action required.

### IRU03045

```
The deployment wizard was not able to obtain the Windows NT Service Pack
number.
```

**Explanation:**

The deployment wizard was unable to obtain the Windows NT service pack level from the registry.

**User response:**

For information only. No action required.

### IRU03046

```
{0} is not installed.
```

**Explanation:**

The specified application is not installed on the target computer.

**User response:**

For information only. No action required.

### IRU03047

```
The Windows 2000 Service Pack is {0}.
```

**Explanation:**

The Service Pack level for the Windows 2000 operating system is the value represented by the token {0}.

**User response:**

For information only. No action required.

### IRU03048

```
{0} requires Windows 2000 Service Pack {1} or higher.
```

**Explanation:**

The product represented by token {0} requires Windows 2000 Service Pack level {1} or higher.

**User response:**

Upgrade the Windows 2000 Service Pack level and try the deployment again.

### IRU03049

The deployment wizard cannot determine the version of the Windows 2000
Service Pack installed on the target computer.

**Explanation:**

The Service Pack level for the Windows 2000 operating system cannot be
determined by the deployment wizard.

**User response:**

For information only. No action required.

### IRU03050

Successfully updated file {0}.

**Explanation:**

The specified file was updated.

**User response:**

For information only. No action required.

### IRU03051

The specified user ID {0} and password were created successfully.

**Explanation:**

The user ID and password were created.

**User response:**

For information only. No action required.

### IRU03052

The specified user ID {0} and password already exist on the target machine.

**Explanation:**

The user ID and password already exist.

**User response:**

For information only. No action required.

### IRU03053

The {0} file was successfully copied to the {1} location.

**Explanation:**

The specified file was copied successfully.

**User response:**

For information only. No action required.

### IRU03054

```
The {0} file could not be copied to the {1} location.
```

**Explanation:**

The specified file was not copied.

**User response:**

For information only. No action required.

### IRU03055

```
Incorrect invocation.
```

**Explanation:**

The invocation command entered was not valid.

**User response:**

Enter a valid invocation. Contact your solution provider for details.

### IRU03056

```
The password for user {0} is not valid.
```

**Explanation:**

The password entered is not valid for the specified user.

**User response:**

Enter the valid password.

### IRU03057

```
There is no security key defined on the staging server.
```

**Explanation:**

Before the IBM Installation Agent will accept an installation from the staging server, it verifies that there are matching security keys on both the target computer and the staging server. There was no security key found for the staging server.

**User response:**

Create a matching security key on the staging server and try the deployment again. If the problem persists, print the log file and contact your solution provider.

### IRU03058

`Internet Explorer 6.0 is not installed.`

**Explanation:**

Internet Explorer 6.0 must be installed on the target computer.

**User response:**

View the log files associated with this message for a course of action or contact your solution provider.

### IRU03059

`A minimum of {0} version {1} is required.`

**Explanation:**

You must have the application and version specified installed on the target computer.

**User response:**

Install the required version of the specified application or contact your solution provider.

### IRU03061

`The deployment failed for {0}: {1}`

**Explanation:**

The user program specified by {0} could not be executed for the reason specified in {1}.

**User response:**

Ensure that your user program name and location are correct. If the problem persists, contact your solution provider.

### IRU03064

`The IBM Installation Agent on the target computer is not responding. The`
`deployment was terminated.`

**Explanation:**

The IBM Installation Agent on the target computer has been stopped or was never started. The deployment must terminate.

**User response:**

Restart the agent on the target computer, or reboot the target computer, and attempt the deployment again.

### IRU03065

`Security keys do not exist on the target computer {0}`

**Explanation:**

The security keys do not exist on the target computer. Either they were never created, or they were deleted because of multiple failed authentication attempts on the IBM Installation Agent.

**User response:**

Create the security keys on the target computer using the Key Manager utility.

### IRU03066

`{0} is already installed on the target computer.`

**Explanation:**

The specified application is already installed on the target computer.

**User response:**

For information only. No action required.

## IRU04000 messages

IRU04000 messages

### IRU04013

`The file name field cannot be empty.`

**Explanation:**

This is an error message that is displayed on the Diagnostic Trace Settings panel when the user tries to enter an empty trace file name.

**User response:**

Provide a name in the Name field.

### IRU04014

`The {0} cannot contain a {1}`

**Explanation:**

This is used as an error message that is displayed on the Diagnostic Trace Settings panel or the command line when the user enters an invalid character for a file name. {0} is the file and {1} is the invalid character.

**User response:**

The file name contains an invalid character. Do not use special characters in file names.

### IRU04015

`{0} is an invalid file size.`

**Explanation:**

This message is displayed in the command line when the user enters a non-integer maximum file size for either trace file.

**User response:**

Use a whole number for a file size.

### IRU04016

`The trace log has exceeded its maximum size. No additional trace information will be logged.`

**Explanation:**

This message is logged when either trace file exceeds its set maxiumum size.

**User response:**

Enter a larger maximum file size for the trace log and deploy the solution again.

## IRU05000 messages

This chapter lists the messages generated by the console. You can use the information in this chapter to identify and resolve an error using the appropriate recovery action. You can also use this information to understand where messages are generated and logged.

The user responses for several messages suggest that you print the log file before calling your service provider.

Message identifiers consist of a three-character message prefix followed by a five-digit message number. Tokens, such as {0}, {1}, and so on, are used in many messages. These tokens represent computer names, application names, files names, or directory names. The appropriate value is substituted for the token when the message is displayed.

### IRU05000

`Failed: Incorrect user ID or password`

**Explanation:**

An authentication failed due to either incorrect user ID or password.

**User response:**

Enter the correct user ID and password.

### IRU05001

`Failed: Select a resource before clicking Edit or Test connection.`

**Explanation:**

A resource was not selected on which to perform the function.

**User response:**

Select a resource and relaunch the task.

## IRU05002

`Failed: Select only one resource before clicking Edit.`

**Explanation:**

Multiple instances were selected to edit simultaneously.

**User response:**

Select one resource at a time.

## IRU05003

`Specify a server.`

**Explanation:**

A valid server was not specified in order to perform the task.

**User Response:**

Provide a valid server.

## IRU05004

`Specify a port.`

**Explanation:**

A valid port number was not specified in order to perform the task.

**User response:**

Provide a valid port number.

## IRU05005

`Specify a console agent port.`

**Explanation:**

A valid console agent port number was not specified in order to perform the task.

**User response:**

Provide a valid console agent port.

### IRU05006

`Could not connect to server.`

**Explanation:**

The Express Runtime console could not connect to specified server.

**User response:**

Check the error logs and the troubleshooting section of the Express Runtime Information Center to find more details on how to resolve this problem.

### IRU05007

`The requested function is not available for this resource.`

**Explanation:**

You cannot perform this task using the selected resource.

**User response:**

Choose an appropriate task for the selected resource.

### IRU05008

`The specified component node is null.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05009

`Select at least one component from the table.`

**Explanation:**

No component was selected from the table to perform the task.

**User response:**

Select at least one component in the table for the task.

### IRU05010

`Provide a title before clicking Add.`

**Explanation:**

A title was not provided.

**User response:**

Provide a title before clicking **add**.

### IRU05011

`The requested action was canceled by the user.`

**Explanation:**

The task was canceled before it could be completed.

**User response:**

Run the task again.

### IRU05012

`Could not connect to the console agent.`

**Explanation:**

The Express Runtime console could not connect to the console agent.

**User response:**

Consult the troubleshooting section of the Express Runtime console Information Center to get details on how to solve this problem.

### IRU05013

`Could not find any instances for component {0}.`

**Explanation:**

The Express Runtime console could not find any instances for the specified component.

**User response:**

Consult the troubleshooting section in the Express Runtime Information Center for details to solve this problem.

### IRU05014

`One or more thresholds were modified to ensure consistency.`

**Explanation:**

The Express Runtime console had to modify one or more thresholds to maintain consistency.

**User response:**

This is an informational message. No action is necessary.

### IRU05016

The specified title, {0}, already exists. Select a different title.

**Explanation:**

A title was selected that already exists.

**User response:**

Select a new title.

### IRU05017

The certificate verification for the following server, {0}, at agent port, {1}, failed.

**Explanation:**

The certificate was not accepted by the server.

**User response:**

Ensure that you have updated your certificate.

### IRU05030

Method entry

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05031

Method exit

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05032

An exception has occurred: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05033

`Error creating/invoking UserTaskManager.`

**Explanation:**

There was an error launching the portlet.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05034

`Cannot set portlet help URL link because one of the following is null: server is {0}; helpport is {1}; path to file is {2}.`

**Explanation:**

There was an error creating the help link for the portlet.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05035

`Help URL is null; cannot append more detailed message.`

**Explanation:**

There was an error while creating the More Details link. The detailed message cannot be appended to the help file.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05036

`Context: {0}`

**Explanation:**

There was a problem working with the context.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05037

`Error handling: {0}`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05040

```
Error restarting adapter: {0}
```

**Explanation:**

There was an error while reloading a portlet.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05041

```
User ID is null.
```

**Explanation:**

There was an error while retrieving the application adapter for the portlet.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05042

```
Error launching page
```

**Explanation:**

A request to launch a missing or nonvalid page was processed.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05043

```
Error closing page
```

**Explanation:**

There was an error while trying to close a page.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05044

`Error sending message`

**Explanation:**

There was an error while trying to send a queued message request to a portlet.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05045

`An error occurred while trying to read configuration data.`

**Explanation:**

There was an error while attempting to work with Java™ preferences.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05046

`An error occurred while trying to create a component.`

**Explanation:**

An error occurred while trying to create a component.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05047

`A component with an unknown type was passed: component name = {0};`
`component type = {1}.`

**Explanation:**

A component other than a Web server, an application server, or a database is being used.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05049

`Attempted to edit with a null key value.`

**Explanation:**

There is a problem with the selected item and it can not be edited.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05050

Invalid argument: {0}

**Explanation:**

An nonvalid argument was passed to a method.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05051

Unexpected value, {0}, received for the following object: {1}.

**Explanation:**

An incorrect trace value was parsed from the console agent properties.

**User response:**

Check the console agent properties file to ensure the trace value is set properly.

### IRU05100

Missing a value for the following key: {0}; cannot execute command.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05101

The directory name provided ({0}) is not a proper directory.

**Explanation:**

The Express Console agent can not access the specified remote directory. This problem occurs most commonly because the console agent has been configured incorrectly. The task can not be completed.

**User response:**

Some configuration errors can be corrected by reinstalling the management extension that is related to the task you are running. For example, if you are accessing the **Servers->HTTP Servers->Details** dialog, this error message occurs, and reinstalling the HTTP management extension might correct the problem. In other cases, contact the IBM Support Center.

## IRU05102

`Unable to retrieve contents of the following directory: {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05103

`Incorrect password`

**Explanation:**

A valid user ID and password combination are needed for this administration task.

**User response:**

Use the following table to determine what type of user ID and password combination is needed:

*Table 1.*

| Management extension | Operating system | User ID and password type |
|---|---|---|
| IBM HTTP Server | All windows platforms | Any valid operating system user ID and password with administration authority |
| IBM HTTP Server | All Linux platforms | Any valid operating system user ID and password with root authority |
| IBM HTTP Server | OS/400 | Any valid operating system user ID and password that has *IOSYSCFG authority |
| WebSphere® Application Server – Express | All windows platforms | The user ID and password used to secure the WebSphere Application Server – Express server |
| WebSphere Application Server – Express | All Linux platforms | The user ID and password used to secure the WebSphere Application Server – Express server |
| WebSphere Application Server – Express | OS/400 | Any valid operating system user ID and password that has *IOSYSCFG and *ALLOBJ authority |
| DB2® UDB Express | All windows platforms | Any valid DB2 admin user ID and password |
| DB2 UDB Express | All Linux platforms | Any valid DB2 admin user ID and password |

*Table 1. (continued)*

| Management extension | Operating system | User ID and password type |
|---|---|---|
| DB2 UDB Express | OS/400 | Any valid operating system user ID and password that has DB2 admin authority |

### IRU05104

Could not retrieve the correct logger in order to set the trace levels.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05105

Could not read the Windows registry.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05106

Unsupported callback type

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05107

Error retrieving CPU usage.

**Explanation:**

The console agent has encountered an error while monitoring the CPU usage of one or more of the Express Runtime software components . The system health indicator and associated performance graphs are available.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05108

`Starting the console agent server.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05109

`Stopping the Console Agent Server.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05110

`Remote client {0} has been added to the warning list.`

**Explanation:**

A remote user tried to access the console agent, but the access failed. This occurs most commonly because an incorrect user ID or password was given. This error can also occur if an incomplete or partial request was received.

**User response:**

Usually this error occurs because a user has forgotten a user ID and password combination. However, if multiple failed attempts from the same remote user continue to occur, this could be an attempt to break into the system. If you believe that there is an attempted breakin, contact your security representative.

### IRU05111

`Remote client {0} has been exiled due to too many consecutive warnings. The client will be unable to access the server for 1 hour.`

**Explanation:**

A remote user has repeatedly failed to enter the correct user ID and password combination. Most likely, this error occurred because someone is trying to break into the system by guessing user ID and password pairs. To aid in the prevention of this hacking technique, the remote user will automatically be locked out of the system for one hour.

**User response:**

Take appropriate steps to determine the origin of the erroneous requests. You should also take necessary steps to protect or shutdown the server until the cause of erroneous requests can be resolved.

## IRU05112

```
Remote client {0} has accessed the server. The remote client was previously
exiled from the server.
```

**Explanation:**

This message can occur after a user has been locked out of the system (exiled) for some period of time. The original login problem was resolved and the remote user then logged in with the correct user ID and password. This message can also occur if the hacking technique of guessing user ID and password pairs is left unchecked and the hacker eventually guessed the correct user ID and password combination.

**User response:**

Inspect the security logs on the target system and investigate the cause of the problem.

## IRU05113

```
Remote client {0} attempted to access the server. The remote client is
exiled from the server.
```

**Explanation:**

A remote user has repeatedly failed to enter the correct user ID and password combination. Most likely, this error occurred because someone is trying to hack into the system by guessing user ID and password pairs. To aid in the prevention of this hacking technique, the remote user has been automatically locked out of the system for one hour. Duning the lockout period, the user is continuing to attempt to access the server but the request is being ignored.

**User response:**

Take appropriate steps to determine the origin of the erroneous requests. Also take necessary steps to protect or shutdown the server until the cause of erroneous requests can be resolved.

## IRU05114

```
Remote client {0} issued an unknown server command. This command did not
originate from the IBM Express Runtime console.
```

**Explanation:**

Erroneous or poorly formatted requests to the console agent are ignored, and most likely did not originate from the IBM Express Runtime console. Repeated requests can be a sign of an attempt to hack into the system.

**User response:**

Take appropriate steps to determine the origin of the erroneous requests.

## IRU05115

```
User {0} on remote client {1} accessed IBM HTTP Server instance {2} by
browsing folder: {3}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05116

```
User {0} on remote client {1} accessed IBM HTTP Server instance {2} by
viewing log file: {3}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05117

```
User {0} on remote client {1} accessed IBM HTTP Server instance {2} by
changing the log settings.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05118

```
User {0} on remote client {1} accessed IBM HTTP Server instance {2} by
issuing the command: {3}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05119

```
User {0} on remote client {1} accessed IBM HTTP Server instance {2} by
querying the state of the server.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05120

```
User {0} on remote client {1} accessed WebSphere Application Server
instance {2} by issuing the command: {3}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05121

```
User {0} on remote client {1} accessed WebSphere Application Server
instance {2} by querying the state of the server.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05122

```
User {0} on remote client {1} queried traceLevel settings.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05123

```
User {0} on remote client {1} set traceLevel settings.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05124

`User has been locked out of the system.`

**Explanation:**

A remote user has repeatedly failed to enter the correct user ID and password combination. Most likely, this error occurred because someone is trying to hack into the system by guessing user ID and password pairs. To aid in the prevention of this hacking technique, the remote user will automatically be locked out of the system for one hour.

**User response:**

Take appropriate steps to determine the origin of the erroneous requests. You should also take necessary steps to protect or shutdown the server until the cause of erroneous requests can be resolved.

## IRU05125

`Could not find server instance.`

**Explanation:**

The instance of the IBM HTTP Server that you are attempting to administer cannot be found. Most likely this error occurred due to an incorrect console agent configuration or an incorrect installation of the IBM HTTP Server.

**User response:**

If the problem persists, reinstall the HTTP management extension, or reinstall the IBM HTTP Server. If the problem persists, contact the IBM Support Center.

## IRU05126

`Invalid Port: {0}`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05127

`Could not find the Apache service name for configuration file {0}.`

**Explanation:**

The console agent can only start and stop instances of IBM HTTP Server that are configured as a Windows service. There was not a Windows service entry corresponding to the requested IBM HTTP Server instance.

**User response:**

Configure the IBM HTTP Server instance to be a Windows Service. See IBM HTTP Server documentation.

### IRU05128

```
IBM HTTP Server instance {0} could not be found.
```

**Explanation:**

The instance of the IBM HTTP Server you are attempting to administer cannot be found. Most likely this error occurred due to an incorrect console agent configuration or an incorrect installation of the IBM HTTP Server.

**User response:**

You might need to reinstall the HTTP management extension, or reinstall the IBM HTTP Server. If the problem persists, contact the IBM Support Center.

### IRU05129

```
The page you requested is not supported.
```

**Explanation:**

The console agent does not support the request made by the Express Runtime console.

**User response:**

No action is required; the function is not supported by this operating system.

### IRU05130

```
The specified WebSphere Application Server port ({0}) could not be found.
```

**Explanation:**

To administer the WebSphere Application Server, the administrative console port must be specified. The default port is 9080, but can be changed during installation.

**User response:**

Ensure that the port number that was entered corresponds to the administrative console port. To change the port click **Add / remove servers**. Select the server name from the server list and click **Edit**. Type in the new administrative console port number and click **Apply**. You can test the new value by clicking **Test connection**.

## IRU05131

The console agent is not configured to manage WebSphere Application
Servers.

**Explanation:**

The console agent is not configured to manage WebSphere Application Server –
Express servers.

**User response:**

If WebSphere Application Server – Express is installed on this system and you
want to manage the system, install the WebSphere Application Server – Express
management extensions.

## IRU05132

The console agent is not configured to manage IBM HTTP Server instances.

**Explanation:**

The console agent is not configured to manage IBM HTTP Server instances.

**User response:**

If the IBM HTTP Server is installed on this system and you want to manage the
server, install the IBM HTTP Server management extensions.

## IRU05140

New server listener created: server IP address={0} server port={1}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05141

Cannot find file: {0}.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05142

Added new command: {0}.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05143

`Entered the ServiceMain() method.`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05144

`Start server control signal detected.`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05145

`Server started successfully.`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05146

`Server is shutting down.`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05147

Server did not start successfully.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05148

Stop server control signal detected.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05149

Checking server PID: exists={0}.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05150

Server listener stopped.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05151

New remote connection detected and created. Starting new thread for connection.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05152

Request body: <start>{0}<end>

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05153

Response body: <start>{0}<end>

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05154

Request header: <start>{0}<end>

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05155

Request header key={0} value={1}

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05156

Response header: <start>{0}<end>

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05157

```
Found command in request URI: {0}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05158

```
Found keys in request: {0}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05159

```
Starting execution of command: {0}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05160

```
Type of OS: {0}
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05161

```
Mapping virtual name: {0} to configuration file: {1}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05162

```
Loading configuration file: {0}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05163

```
No server instance found. Setting to default instance: {0}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05164

```
Cookies for execute command: {0}
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05165

```
Keys for execute command: {0}
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05166

Found serivceName mapping for configuration file: {0} to service: {1}.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05167

About to execute command: <start>{0}<end>.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05168

Output of command: <start>{0}<end>

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05169

Found HTTP Service for serviceName: {0}.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05170

Arguments for the service are: {0}.

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05171

```
Adding service mapping for confFile: {0} to serviceName {1}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05172

```
Looking for process ID for server instance: {0} at {1}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05173

```
Looking for log file at {0}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05174

```
Verifying log file {0}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05175

`Client locale: {0}`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05176

`User is set to: {0}.`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05177

`No persistent agents declared.`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05178

`Stopping persistent agent: {0}.`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

## IRU05179

`Configuration file {0} failed verification. It will not be added to the list of available servers.`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05180

```
Server Started on {0}, port: {1}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05181

```
Pluggable authentication module error: {0}
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05182

```
Error while decoding URL: {0}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05183

```
Unable to keep up with polling interval: {0} ms.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05184

```
Invalid process ID: {0}
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05185

```
Error getting children for process ID: {0}.
```

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05200

```
Server data entered is not incorrect: server= {0} port={1} agent port={2}.
```

**Explanation:**

You entered incorrect data for either the WebSphere Application Server – Express server host name, the WebSphere Application Server – Express console port, or the console agent port, while trying to configure the server.

**User response:**

The user should verify the data entered in the Add/remove portlet is correct. The fields should not be left blank.

### IRU05201

```
Could not find portlet instance data; returning default URL: portlet instance ID:{0} user ID:{1} user key: {2}.
```

**Explanation:**

The necessary information needed to build the URL for the Websphere Application Systems console task is missing. The default URL will be used.

**User response:**

Provide the message output to your service representative.

### IRU05202

```
No task was defined; using a default URL.
```

**Explanation:**

The specific Websphere Application Server console task data is not defined. The task URL cannot be built without the data; the default URL is being used.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05203

`The current user is already in the hash table.`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05204

`The current user is not in the hash table; creating a new one.`

**Explanation:**

This is an informational message.

**User response:**

No action is required.

### IRU05205

`No portal user defined; cannot continue.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05206

`Unable to log out from server {0}.`

**Explanation:**

The logout request to the specified Websphere Application Server was not successful. There is chance that user was not completely logged out of the server. The user may have a login conflict on the next login to the server.

**User response:**

Check the error logs and the trouble shooting section for more details. Provide the message output to the IBM Support Center representative.

## IRU05207

Could log out since an exception ocurred: {0}. The URL for logout was {1}.

**Explanation:**

The logout request to the Websphere Application Server server threw an exception. There is chance that user was not completely logged out of the server. The user may have a login conflict on the next login to the server.

**User response:**

Check the error logs and the trouble shooting section for more details. Provide the message output to the IBM Support Center representative.

## IRU05208

User key is null; could not log out.

**Explanation:**

The necessary user information needed for the logout request for a Websphere Application Server is missing. The user was not logged out of the server. The user may have a login conflict on the next login to the server.

**User response:**

Check the error logs and the trouble shooting section for more details. Provide the message output to the IBM Support Center representative.

## IRU05209

Server is null; did not attempt to log out.

**Explanation:**

The necessary server information needed for the logout request for a Websphere Application Server is missing. The user was not logged out of the server. The user may have a login conflict on the next login to the server.

**User response:**

Check the error logs and the trouble shooting section for more details. Provide the message output to the IBM Support Center representative.

## IRU05210

Could not log out since user {0} does not exist in list.

**Explanation:**

The Express Runtime console's Websphere Application Server management extension could not log out the specified user, since the user was not found in the list. The user may have a login conflict on the next login to the server.

**User response:**

Check the error logs and the troubleshooting section for more details. Provide the message output to the IBM Support Center representative.

## IRU05211

```
Could not log out since userkey was missing.
```

**Explanation:**

The Express Runtime console's Websphere Application Server management extension could not log out the user, since the data needed to determine the user is missing. The user may have a login conflict on the next login to the server.

**User response:**

Check the error logs and the trouble shooting section for more details. Provide the message output to the IBM Support Center representative.

## IRU05212

```
Exception occurred while cleaning out workspace.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05213

```
Could not connect to server, since the port provided is not a HTTP port.
```

**Explanation:**

The connection to the server could not be established, since the Websphere Application Server administrative port provided is not a valid HTTP port. Most likely the port provided is the HTTPS port.

**User response:**

Ensure that the administrative port provided is a valid HTTP port. If it is not, modify the configuration for the server. Check the troubleshooting section for more details, including how to determine the administrative HTTP port.

## IRU05214

```
Could not connect to server because of unexpected return code: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05215

```
Exception occured during redirect. The message is: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05230

```
Server={0}, port={1}
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05231

```
The list of visited servers is: {0}. The list size is {1}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05232

```
The active state is {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05233

```
The parameter list from the portlet XML is {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05234

```
Trying to log out from server {0}, using this URL: {1}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05235

```
Adding a close request for the following page: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05236

```
Does the user need to be prompted for a profile conflict: {0}?
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05237

```
Do we have a profile conflict: {0}?
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05238

```
Was the instance removed sucessfully: {0}?
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05239

```
Trying to remove the following instance: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05240

```
The parameter list, after parsing, is: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05260

```
The referrer value from {1} is {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05261

```
The session ID is {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05262

The request URL is {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05263

Name={0}, value={1}

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05264

Information in the task data is: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05265

The session is already invalidated; cannot log out. The following exception occured: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05266

The action command is: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05267

```
The login action was successful.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05268

```
The action going forward is: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05269

```
Treating request as a new task launched from Integrated Solutions Console.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05270

```
The redirect URL is the new value with WebSphere Application Server
parameters: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05271

Found existing key {0}, with value: {1}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05272

Treating request as a refresh from Integrated Solutions Console.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05273

The user mapped to session list is: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05274

The application server user from session is: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05275

The workspace is: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05276

```
Changes not found; clearing workspace.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05277

```
Changes found; not clearing workspace.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05278

```
No matches found in the hash table to track portlets.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05279

```
The referrer matches with a value in the hash; the matching key is {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05280

```
The stored task data for the key, {0}, is: {1}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05281

```
Treating request as normal processing and continuing to save the drill-down
information.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05282

```
Treating request as a redirect URL.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05283

```
The unigue portlet key/ID is {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05284

```
The full URL to store is {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05285

The session is not associated with Integrated Solutions Console.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05286

Adding user key {0} to the user mapped to session list.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05287

The value of the previous task key is: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05288

Starting filter {0} processing.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05289

Finishing filter {0} processing.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05290

The session has been invalidated.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05291

The state of the session according to the server is: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05292

The session ID to state list is: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05300

Base administration page is {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05301

Error in processing the DOM: {0}

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05302

```
Node name: {0}
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05303

```
In prompt user - Panel={0} UTM={1}
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05305

```
The SSL certificate dialog is about to be displayed to the user. The dialog
will be nonmodal.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05306

```
The SSL certificate dialog has been displayed to the user. The dialog is
nonmodal.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05307

The SSL certificate dialog is about to be displayed to the user. The dialog
will be modal.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05308

The SSL certificate dialog has been displayed to the user. The dialog was
modal.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05309

SSL certificate was accepted.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05310

SSL certificate was not accepted.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05311

The command is null.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05312

The following command is {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05313

There are no error messages to display.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05314

Displaying the following messages: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05315

There are no items to remove.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05316

The number of items to remove is {0}. The items are {1}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05317

```
Removing context from hash, since the selected context was set to null.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05318

```
Sending message with the following context: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05319

```
Retrieving the following context for the hash: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05320

```
The URL is {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05321

```
Did not find the last selected context; looking for a persistent context.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05322

```
Found the following persistent context: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05323

```
The help URL is {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05324

```
Returning since no change found in context list.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05325

```
Could not find context in list.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05326

```
Context is null or empty.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05327

```
TrustManager={0} Size={1}
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05328

```
Received an Integrated Solutions Console save context action. Saving the
context.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05329

```
Sending the context as the message.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05330

```
The action was handled by sendContextAsMessage. It is returning without
calling super.actionPerformed.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05332

```
Object {0} has a null value.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05333

```
The action {0} is being passed to the superclass for handling.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05334

```
Key={0} Value={1}
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05335

```
The read line is: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05336

```
Adding cookie: key={0}, value={1}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05337

```
String buffer is: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05338

```
Setting cookies [{0}].
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05339

```
Opening connection: sUrl={0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05340

```
Working with key {0} value {1} pair.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05341

Did not find a message; returning false.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05342

Removing the message from context.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05343

Returning since persistedContext = {0} or userName = {1}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05344

Object {0} is either null, empty, has a size of 0, or has nothing left to iterate through.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05345

Sending the new context to {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05346

```
Creating credentials with session ID(uo) {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05347

```
Found user ID {0} for resource {1}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05348

```
Deleting the credentials for the following resource: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05349

```
Creating the following credential slot ID: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05350

Updating the following credential slot id: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05351

Retrieving the credentials with resource {0} and session ID {1}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05352

Attempting to start a server.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05353

Attempting to stop a server.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05354

IBM Express Runtime, Version {0} build:{1} component:{2}

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05355

```
Attempting to use multi-threaded certificate check.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05356

```
UserTaskManager is null or could not be found.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05357

```
Starting isAlive() for: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05358

```
The result for isAlive() is: {0} = {1}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05406

```
The selected IBM HTTP Server instance is : {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05407

The IBM HTTP Server instance list is null.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05408

New node created with ID: {0} and display name: {1}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05409

The selected tree node is: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05410

The status for IBM HTTP Server {0} is {1}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05411

```
The console agent URL is : {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05412

```
The process ID value of the IBM HTTP Server being administered is: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05413

```
The fully qualified PID value of IBM HTTP Server being administered is:
{0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05414

```
The log settings level is: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05415

```
The host name lookup status is: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05416

`The cookie status tracking is : {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05417

`The root node is: {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05418

`The node is : {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05419

`The string to be parsed is : {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05420

`The node value is : {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05421

```
Attributes: [ {0} ]
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05422

```
The children of the node are {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05800

```
Error getting dispatcher or service request.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05801

```
Null value found for asyncBackup.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05802

```
Null value found for resultsUtm.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05803

```
Authentication failed for {0}.
```

**Explanation:**

This message indicates that there was a failure in authentication.

**User response:**

Ensure that the correct authentication credentials are entered and try again.

### IRU05804

```
Login attempt to {0} by {1}.
```

**Explanation:**

This message contains security audit information.

**User response:**

No action is required.

### IRU05805

```
Get database list for server {0}; the instance is {1}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05806

```
Could not retrieve the list of databases.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05807

AppAdapter or UTM is null; cannot refresh.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05808

Method getDirectory - getDirectoryList failed.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05809

Method getName returned null for {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05810

Error parsing time {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05811

Failed to load JDBC driver.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05812

```
JDBC connection requires valid database remote name: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05813

```
JDBC connection URL:
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05814

```
JDBC driver metadata:
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05815

```
Failed to establish JDBC connection: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05816

`JDBC connection was closed successfuly.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05817

`Failed to close JDBC connection.`

**Explanation:**

This message contains information for use by service.

**User response:**

Provide the message output to your service representative.

### IRU05818

`Failed to retrieve AdminClient: {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05819

`Failed to invoke MBean: {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05820

`Failed to find MBean: {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05821

Failed to retrieve user message for SQL code: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05822

DASFileSystemService failed during the DAS API call: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05823

Catalog

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05824

Database catalog requires a valid context file: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05825

Current catalog entries: {0}

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05826

Database key not found: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05827

DB2Alert requires valid arguments: ID, timestamp.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05828

Failed JDBC call: {0}

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05829

Failed to recover DB2 port: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05830

DB2Database requires valid arguments: alias, name, hostname, instanceName,
db2portNumber, jmxPortNumber, and version.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05831

DB2Database requires valid DB2 port: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05832

DB2Database requires valid argument: jmxPortNumber: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05833

Failed DAS execution SQL code check: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05834

Instance db2start command failed and returned {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05835

`Instance db2start command succeeded and returned {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05836

`Instance db2stop command failed and returned {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05837

`Instance db2stop command succeeded and returned {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05838

`Instance ATTACH command failed and returned {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05839

`Instance ATTACH command succeeded and returned {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05840

`Database not available due to: {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05841

`Implemented in the connector through a call to TableUDF: SNAPSHOT_DATABASE.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05842

`Database backup requires valid: instanceName, dbName, userID, passwd, path.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05843

`Failed to set up success code sets: {0}.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05844

DAS execution failed and backup script returned {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05845

Database backup command failed and returned {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05846

Database backup succeeded and returned {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05847

Admin command failed and returned {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05848

Admin command failed unexpectedly: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05849

Asynchronous command to be executed in less than {0} seconds.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05850

Command execution did not finish after {0} seconds.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05851

Command execution failed.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05852

Command execution failed unexpectedly.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05853

Failed to retrieve DATABASES from DB2 Server: [{0}] with error code: [{1}]
due to SQL error: [{2}].

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05854

```
Failed to retrieve database configuration: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05855

```
Retrieved [{0}] from [{1}] discovered databases on host: [{2}].
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05856

```
Failed to retrieve databases for TCPIP node: [{0}] from DB2 Server: [{1}]
with error code: {2}] - SQL error: [{3}].
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05857

```
DB2 node found: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05858

Stored procedure call: {0}

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05859

SQLCAMessage SP execution failed with error code {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05860

Failed to retrieve error message.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05861

Failed during the SP call: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05862

DB2 udfStmt: {0}

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05863

```
Failed during the UDF call: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05864

```
Retrieved: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05865

```
Failed to build query: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05866

```
Failed to query MBeanServer: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05867

```
Failed to find MBeanServer for: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05868

```
Failed to contact JMX on port {0}: {1}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05869

```
Failed to contact JMX on port {0}/{1}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05870

```
Instance (node) state: {0}
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

## IRU05871

```
DB2 management services initialization
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05872

Retrieve DB2 Services configuration file.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05873

Failed to load configuration file: [{0}] due to: {1}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05874

Failed to access configuration file [{0}] due to: {1}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05875

Erroneous DB2 services configuration: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05876

Logger configuration type: {0}

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05877

```
Initialized DB2 common trace: [{0}].
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05878

```
Failed to open/write trace file: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05879

```
Failed to initialize DB2 common trace: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05880

```
Asynchronous execution response delay: {0} seconds
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05881

```
DB2 management services registered: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05882

```
Failed to register [{0}] due to: {1}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05883

```
Attempting to load [db2srvapi] shared library.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05884

```
Failed to load [db2srvapi] shared library: {0}.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05885

```
Successfuly loaded [db2srvapi] shared library.
```

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05886

Error code is expected to be an integer: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05887

DB2ServiceDispatcher requires a valid context: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05888

Found in catalog database: {0}

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05889

User response: {0}

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05890

Failed to retrieve platform; unsupported type: {0}.

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05891

`DB2Database requires valid arguments: locale, dbAlias, userID, passwd.`

**Explanation:**

This message is used only by the IBM Support Center.

**User response:**

Provide the message output to the IBM Support Center representative.

### IRU05900

`User ID={0}, remote host name={1}, action=initialize portlet {2}`

**Explanation:**

This is a security audit log message. It occurs when a portlet is loaded.

**User response:**

No action is required.

### IRU05901

`User ID={0}, action=close portlet {1}`

**Explanation:**

This is a security audit log message. It occurs when a portlet is closed.

**User response:**

No action is required.

### IRU05903

`Integrated Solutions Console user {0} failed to log on to server {1} using the Web server user ID {2}.`

**Explanation:**

This is a security audit log message. It occurs when a user in the Integrated Solutions Console attempted to administer a Web server with invalid credentials.

**User response:**

No action is required.

### IRU05904

Integrated Solutions Console user {0} has changed configuration on Web
server {1} using Web user ID {2}.

**Explanation:**

This is a security audit log message. It occurs when the configuration for a Web
server is changed.

**User response:**

No action is required.

### IRU05907

Integrated Solutions Console user {0} failed to log in to server {1} with
console agent user ID {2}.

**Explanation:**

This is a security audit log message. It occurs when a user tries to connect to the
console agent to work with configuration settings with invalid credentials.

**User response:**

No action is required.

### IRU05908

User {0} has issued a {1} command on {2}: {3}.

**Explanation:**

This is a security audit log message. It occurs when a user starts or stops a DB2
database.

**User response:**

No action is required.

### IRU05909

User {0} has issued a Backup command on {1}: {2}.

**Explanation:**

This is a security audit log message. It occurs when a user issues the backup
command for a DB2 database.

**User response:**

No action is required.

## IRU07000 messages

IRU07000 messages

### IRU07000

The IBM Installation Agent is listening on port {0}.

**Explanation:**

The IBM Installation Agent is listening on the specified port. This message indicates that the target computer is waiting for deployment wizard to start a deployment process.

**User response:**

For information only. No action required.

### IRU07001

The IBM Installation Agent failed to start. RC={0}

**Explanation:**

The RMI registry naming service failed to start on port 1099. The agent might be currently running or the Java RunTime Environment on the target computer might be corrupted.

**User response:**

Run the IRU_iia_stop-agent executable file, and restart the IBM Installation Agent. For Windows, use the service control manager to stop the Agent. If the problem persists, restart the target computer and the agent again.

### IRU07002

The solution deployment was not successful.

**Explanation:**

Some of the selected software failed to deploy on the target computer.

**User response:**

Analyze the log file associated with the failed deployments to determine the source of the error. Try to correct the error and then try the deployment again. If the problem persists, print the log file and contact your solution provider.

### IRU07003

The IBM Installation Agent cannot obtain the deployment package.

**Explanation:**

The Agent was unable to obtain the deployment package.

**User response:**

Contact your solution provider.

### IRU07011

`The IBM Installation Agent failed to start.`

**Explanation:**

An internal programming error occurred.

**User response:**

Contact your solution provider.

### IRU07012

`The value specified for the communicationPort is not valid.`

**Explanation:**

The value specified for the port is out of the valid range.

**User response:**

Specify a port number within the valid range.

### IRU07013

`The communication link between the target computer and the staging server failed.`

**Explanation:**

The port specified for the communication link is probably being used by another process.

**User response:**

Change the port number and try again.

### IRU07014

`The IBM Installation Agent has terminated.`

**Explanation:**

The IBM Installation Agent has stopped.

**User response:**

For information only. No action required.

## IRU08000 messages

IRU08000 messages

### IRU08011

The install program you are running is not compatible with the operating system.

**Explanation:**

You have selected to install a program that is incompatible with the operating system.

**User response:**

Verify the operating system before installation.

### IRU08012

Both phrases are required.

**Explanation:**

Users are required to enter the key phrase and the confirm key phrase on the key maker panel.

**User response:**

Enter both the key phrase and the confirm key phrase.

### IRU08013

Phrases do not match.

**Explanation:**

The key phrase and the confirm key phrase did not match on the key maker panel.

**User response:**

Enter matching pair of key phrases.

### IRU08014

The deployment wizard will not install software without valid key phrases. You can generate the security keys at a later time using the Key Manager program. Are you sure you want to continue without generating the security keys?

**Explanation:**

Display this message if the user selects the skip key creation check box on the key maker panel.

**User response:**

Select Yes to continue without generating key phrases. Select No to exit the deployment wizard and create key phrases.

### IRU08015

`The directory name must include at least 1 character.`

**Explanation:**

The installation path on UNIX® systems must have at least 1 character.

**User response:**

Enter a path that has at least 1 character.

### IRU08016

`The first character in the directory name must be a slash (/).`

**Explanation:**

The installation path must start with a /.

**User response:**

Enter a path that begins with /.

### IRU08017

`The directory name must be at least 3 characters.`

**Explanation:**

You entered a Windows destination containing fewer than three characters.

**User response:**

Enter a valid destination path.

### IRU08019

`The first character in the directory name must be a valid drive letter.`

**Explanation:**

You entered an invalid character in the beginning of the directory name.

**User response:**

Enter a valid drive letter as the first character in the destination path. The acceptable range is from A to Z.

### IRU08020

`The second character in the directory name must be a colon (:).`

**Explanation:**

The second character in a Windows path name must be a colon.

**User response:**

Enter a valid path.

### IRU08021

The third character in the directory name must be a backslash (\).

**Explanation:**

The third character in a Windows path name must be a backslash.

**User response:**

Enter a valid path.

### IRU08022

The following characters are not allowed in the directory name: : < > * ? ;
\ | /

**Explanation:**

You entered a Windows path name containing invalid path characters.

**User response:**

Enter a path that does not contain invalid characters.

### IRU08023

The character {0} is not valid in the destination path.

**Explanation:**

You entered a UNIX path name containing invalid path characters.

**User response:**

Enter a path that does not include invalid characters. Invalid characters are ! \ # $
% & / ( ) * , : ; < = > ? @ [ ] ^ { } |

### IRU08024

Double backslashes (\\) are not allowed in the directory name.

**Explanation:**

Windows path names cannot contain \\.

**User response:**

Enter a valid path.

### IRU08025

Double slashes (//) are not allowed in the directory name.

**Explanation:**

UNIX path names cannot contain //.

**User response:**

Enter a valid path.

### IRU08027

```
Install language = {0}
```

**Explanation:**

The language selected by the user for installation is {0}.

**User response:**

For information only. No action required.

### IRU08028

```
Install Directory = {0}
```

**Explanation:**

The install directory specified by the user is {0}.

**User response:**

For information only. No action required.

### IRU08029

```
Security Keys were created.
```

**Explanation:**

Key creation was successful.

**User response:**

For information only. No action required.

### IRU08030

```
Security Keys were not created.
```

**Explanation:**

The security keys were not created because the user chose to skip key creation during the install or a problem was encountered when writing the keys to the disk.

**User response:**

Run the key manager.

### IRU08035

`The Windows registry was updated.`

**Explanation:**

The Windows registry was updated.

**User response:**

For information only. No action required.

### IRU08036

`Installation is complete.`

**Explanation:**

The installation has been successfully completed.

**User response:**

For information only. No action required.

### IRU08039

`The directory does not exist. Do you want to create it?`

**Explanation:**

You specified an installation directory that does not exist.

**User response:**

Select Yes to create the directory or No to enter an existing directory.

### IRU08040

`You must select at least one run level.`

**Explanation:**

The user did not select a run level. The agent will be started and listening when the machine is running at the run level selected.

**User response:**

Select at least one run level check box.

### IRU08042

`The password you entered is not valid.`

**Explanation:**

The password provided for this user is not valid

**User response:**

Enter valid password for this user.

### IRU08043

The user name field must not be blank.

**Explanation:**

The user name field is a required value.

**User response:**

Enter a user name.

### IRU08044

Both password fields are required.

**Explanation:**

The password and confirm password fields are required values.

**User response:**

Enter passwords in both the password and confirm password fields.

### IRU08045

The passwords do not match.

**Explanation:**

The values provided in the password and confirm password fields must match.

**User response:**

Enter matching values in the password and confirm password fields.

### IRU08046

Installing {0} ...

**Explanation:**

The IBM Installation Agent service is in installing.

**User response:**

For information only. No action required.

### IRU08047

The user name you entered does not have administrator authority.

**Explanation:**

The user name provided must have administrator authority to install the service.

**User response:**

Enter an existing user name that has administrator authority.

### IRU08048

The user name must not be longer than 20 characters.

**Explanation:**

The value specified for the user name exceeded 20 characters.

**User response:**

Enter a user name 20 characters or fewer in length.

### IRU08049

The character {0} is not allowed in the user name.

**Explanation:**

You specified an invalid character in the user name field. The following characters are invalid: * + , / : ; < = > ? [ \ ] |

**User response:**

Enter a valid user name.

### IRU08050

{0} installation was successful.

**Explanation:**

The IBM Installation Agent service was successfully installed.

**User response:**

For information only. No action required.

### IRU08052

Unable to connect to the service control manager for {0} installation.

**Explanation:**

Could not connect to the service control manager for service installation.

**User response:**

Uninstall the IBM Installation Agent and reinstall.

### IRU08053

`{0} installation failed.`

**Explanation:**

The IBM Installation Agent service could not be created.

**User response:**

Uninstall the IBM Installation Agent and reinstall.

### IRU08054

`{0} already exists.`

**Explanation:**

Write message to log during the installation of the IBM Installation Agent service.

**User response:**

Uninstall the old agent and install the new agent.

### IRU08055

`{0} update failed.`

**Explanation:**

The update of the agent from a previously existing version failed.

**User response:**

Delete the `HKEY_LOCAL_MACHINE\SYSTEM\ CurrentControlSet\Services\IIAService` registry key, reboot the computer, and try the installation again.

### IRU08056

`This operating system is not supported.`

**Explanation:**

The supported operating systems are Windows 98, NT, 2K, XP, HP-UX, Linux, AIX®, Solaris and OS/400 (i5/OS).

**User response:**

Check product documentation for a list of supported platforms.

### IRU08057

`You specified an invalid directory for {0} installation.`

**Explanation:**

Write message to log during the installation of the IBM Installation Agent service.

**User response:**

Enter a valid directory.

### IRU08058

`Unable to start {0}.`

**Explanation:**

Write message to log during the installation of the IBM Installation Agent service.

**User response:**

Analyze the log file associated with the failed installation to determine the source of the error. Try to correct the error and attempt the installation again. If the problem persists, print the log file and contact your solution provider.

### IRU08059

`Failed to add registry entry for Windows 98 service.`

**Explanation:**

No registry entry for the agent service on Windows 98 was made.

**User response:**

Analyze the log file associated with the failed installation to determine the source of the error. Try to correct the error and attempt the installation again. If the problem persists, print the log file and contact your solution provider.

### IRU08060

`Could not write service setup information file.`

**Explanation:**

There was a problem writing the service setup information file.

**User response:**

Retry the installation.

### IRU08062

`Installation of {0} requires a user name.`

**Explanation:**

You did not enter a user name for the installation.

**User response:**

Enter a valid user name.

### IRU08063

`Installation of {0} requires a run level.`

**Explanation:**

Install program failed.

**User response:**

Contact solution provider.

### IRU08065

`Failed to create user for {0}.`

**Explanation:**

The user name or password was invalid.

**User response:**

Retry the installation using a valid user ID and password.

### IRU08066

`Errors occurred during {0} installation.`

**Explanation:**

An unknown error occurred during the installation of the IBM Installation Agent service.

**User response:**

Analyze the log file associated with the failed installation to determine the source of the error. Try to correct the error and attempt the installation again. If the problem persists, print the log file and contact your solution provider.

### IRU08067

`Uninstalling {0} ...`

**Explanation:**

This message is displayed when the IBM Installation Agent service is being uninstalled.

**User response:**

For information only. No action required.

### IRU08068

`Invalid run level set for {0} installation.`

**Explanation:**

An internal software error occurred when trying to establish the run level.

**User response:**

Provide a valid run level in the installation response file.

### IRU08069

`The rc file was not found for {0} installation.`

**Explanation:**

The rc directory corresponding to the selected run level was not found on the system.

**User response:**

Retry the installation. If the error persists, contact your solution provider.

### IRU08070

`Cannot install the script for {0} installation.`

**Explanation:**

The installer failed to install the script that controls the IBM Installation Agent service.

**User response:**

Analyze the log file associated with the failed installation to determine the source of the error. Try to correct the error and attempt the installation again. If the problem persists, print the log file and contact your solution provider.

### IRU08072

`Unable to start {0} for this run level.`

**Explanation:**

The IBM Installation Agent service was not started because the current run level was not specified.

**User response:**

Restart machine in the run level specified during installation.

### IRU08073

`Failed to create a link.`

**Explanation:**

The installer failed to create a symbolic link from the rc directory to the service script.

**User response:**

Retry the installation. If the error persists, contact your service provider.

### IRU08074

`Failed to remove {0} key.`

**Explanation:**

The security keys were not removed during uninstall.

**User response:**

Manually remove the key file in the install directory (DJT_IBM_JSDT_PRIVATE_KEY DJT_IBM_JSDT_PUBLIC_KEY).

### IRU08075

`Failed to stop {0}.`

**Explanation:**

The IBM Installation Agent service failed to stop during uninstall.

**User response:**

Stop the IBM Installation Agent manually and retry the uninstall. If the error persists, contact your solution provider.

### IRU08077

`Failed to remove a symbolic link for {0}.`

**Explanation:**

The installer failed to remove a symbolic link from the rc directory to the service script during uninstall.

**User response:**

Analyze the log file associated with the installation and attempt to manually remove symbolic link. If problem persists, contact your solution provider.

### IRU08078

`Failed to remove script file for {0}.`

**Explanation:**

The installer failed to remove the script that controls the IBM Installation Agent service.

**User response:**

Contact your solution provider.

### IRU08079

`{0} uninstallation was successful.`

**Explanation:**

The uninstall was successful.

**User response:**

For information only. No action required.

### IRU08080

`Errors occurred during {0} uninstallation. See the log file for details.`

**Explanation:**

An unknown error occurred during the uninstallation of the IBM Installation Agent service.

**User response:**

Analyze the log file associated with the failed uninstall to determine the source of the error. Try to correct the error and attempt the uninstall again. If the problem persists, print the log file and contact your solution provider.

### IRU08081

`The user name you entered for {0} is {1}.`

**Explanation:**

This message logs what user name was entered to start the Agent for Windows installs.

**User response:**

For information only. No action required.

### IRU08082

`The run level you entered for {0} is {1}.`

**Explanation:**

This message logs what run levels were selected to start the Agent for UNIX installs.

**User response:**

For information only. No action required.

### IRU08083

`Password cannot contain any space.`

**Explanation:**

The password that you entered contained a space.

**User response:**

Enter a password that does not contain spaces.

### IRU08086

`The rpm-build package is not installed on this computer.`

**Explanation:**

The RPM build package is not installed. Although an RPM entry for this install will not be created, the install will complete successfully.

**User response:**

For information only. No action required.

### IRU08087

`Only the root user has authority to uninstall the IBM Installation Agent.`

**Explanation:**

The user does not have root authority. The uninstall will be aborted.

**User response:**

Log in as root and uninstall the agent.

### IRU08088

`The current user ID does not have Administrator authority. Only users with Administrator authority can uninstall the IBM Installation Agent.`

**Explanation:**

The user does not have Administrator authority. The uninstall will be aborted.

**User response:**

Log in as Administrator and uninstall the agent.

### IRU08090

`The Provider ID {0} can not be used to install to the destination provided. This destination already contains a copy of Express Runtime with another Provider ID. Please click Back and enter another destination location or click Cancel to abort the installation.`

**Explanation:**

During the install of Express Runtime, if the destination path specified already contains a copy of Express Runtime with another Provider ID, then the installation

cannot continue. For an interactive install, you can go back and re-enter the destination path. For a silent install, it automatically aborts the installation.

**User response:**

Restart the install and specify a different Provider ID.

### IRU08091

`The Provider ID can not contain the characters : < > * ? \ " | / .`

**Explanation:**

The Provider ID cannot contain the characters mentioned for a Windows Express Runtime installation.

**User response:**

Enter a valid Provider ID.

### IRU08092

`The Provider ID can not contain more than 25 characters.`

**Explanation:**

If the Provider ID in the response file for an Express Runtime installation contains more than 25 characters, then the installation is aborted and this message is displayed in the log file.

**User response:**

Enter a valid Provider ID.

### IRU08093

`There was a problem creating the RPM entry {0}.`

**Explanation:**

During the installation of Express Runtime, the RPM entries were not created.

**User response:**

For information only. No action required.

### IRU08094

`There was a problem removing the old RPM entry for Express Runtime: {0}`

**Explanation:**

During an upgrade or uninstall of Express Runtime, RPM entries were not removed.

**User response:**

For information only. No action required.

### IRU08095

`This is not a supported distribution of {0}.`

**Explanation:**

The distribution of the operating system is not supported.

**User response:**

Check product documentation for supported operating system distributions and restart the install on a supported platform.

### IRU08096

`An earlier version of the IBM Installation Agent was found on this machine.`

**Explanation:**

During the install of the Agent, an earlier version was found and the installation must be aborted.

**User response:**

Uninstall the previous version and restart the install.

### IRU08102

`The top level shortcut folder, {0}, already contains an installation of Express Runtime from a different location. Click Cancel to exit the installation.`

**Explanation:**

During the install of Express Runtime, if the folder name where all shortcuts are placed is already in use by another Express Runtime installation, then the installation cannot continue. This message is displayed in the log file for silent installs and on the panel for interactive installs.

**User response:**

Specify a different shortcut folder in the response file.

### IRU08103

`The system requirements are not met. For more information on system requirements, refer to your product documentation.`

**Explanation:**

During an OS/400 (i5/OS) installation of the agent, if system requirements are not met, then this message is displayed and the installation cannot continue. If the

installation is silent, then the message is displayed in the log file and the install is automatically aborted.

**User response:**

Check product documentation for system requirements.

### IRU08109

```
{0} requires a user with "secofr" authority.
```

**Explanation:**

During an installation to an OS/400 (i5/OS) machine, if the logged in user does not have "secofr" access, then the installation is aborted and the message is logged.

**User response:**

Log in as a user with SECOFR authority.

### IRU08110

```
The character {0} is not valid in the shortcut folder name.
```

**Explanation:**

An invalid character was specified for the shortcut folder name in the response file.

**User response:**

Specify a valid shortcut folder name and retry the installation.

### IRU08111

```
The Provider ID can not contain the character {0}.
```

**Explanation:**

An invalid Provider ID was specified in the response file.

**User response:**

Specify a valid Provider ID and retry the installation.

### IRU08112

```
The installation has been aborted.
```

**Explanation:**

The installation was aborted. Analyze the log file for details.

**User response:**

For information only. No action required.

## IRU08113

`Directory name can not contain any space.`

**Explanation:**

This error message is displayed if spaces were put in the destination path for UNIX-based operating systems.

**User response:**

Enter a valid UNIX destination path.

## IRU08115

`The IBM Installation Agent will be upgraded to a new version.`

**Explanation:**

An earlier version of the IBM Installation Agent was detected and will be upgraded to a new version.

**User response:**

For information only. No action required.

## IRU08116

`Express Runtime will be migrated to a new version.`

**Explanation:**

An earlier version of Express Runtime was detected and will be upgraded to a new version.

**User response:**

For information only. No action required.

## IRU08117

`The following features were not selected, but must be upgraded because they were part of a previous installation:`

**Explanation:**

During an upgrade of Express Runtime, if previously installed features were not selected to upgrade, they will automatically be upgraded.

**User response:**

For information only. No action required.

## IRU08118

`IBM Installation Agent is already installed on the target computer, so installation was terminated.`

**Explanation:**

During a silent install of the Agent, if a current or later version of it is already installed, then the installation is aborted.

**User response:**

For information only. No action required.

### IRU08119

```
This is not a supported distribution of {0}, so installation was
terminated.
```

**Explanation:**

During a silent install of the IBM Installation Agent or Express Runtime on the machine, if the distribution is not supported then the installation is aborted.

**User response:**

Check product documentation for supported Linux distributions and restart the install on a supported platform.

### IRU08120

```
An earlier version of the IBM Installation Agent was found on this machine.
```

**Explanation:**

During a silent install of the agent, if an earlier version is already installed and cannot be upgraded, the installation is aborted.

**User response:**

For information only. No action required.

### IRU08121

```
The deployment wizard was unable to stop the agent service for the previous
installation. To continue, you must manually stop and restart the agent
service.
```

**Explanation:**

During the upgrade of the agent, if the agent service fails to stop, the old agent will continue to run. To run the new agent, the service must be manually stopped and restarted.

**User response:**

Manually stop and restart the agent service.

### IRU08122

```
The directory you selected does not have enough space. Please select
another location.
```

**Explanation:**

One-click installs require a certain amount of temporary disk space. The directory that you selected does not meet the space requirement.

**User response:**

Provide a location that has sufficient disk space for the one-click install.

### IRU08123

The solution file could not be found. Please contact your service provider.

**Explanation:**

The installer could not find the solution file specified in the `setup.iss` response file.

**User response:**

Ensure that the solution file name specified in the response file is valid and that the file exists in the `bin` directory. If the error persists, contact your service provider.

### IRU08124

You did not select any Eclipse-based or Workbench products for the Express Runtime developer extension. You can select them at a later time by running this installer again.

**Explanation:**

An Eclipse-based or Workbench product was not selected to link to the Express Runtime developer extension. Therefore, the extension will not start with any product.

**User response:**

Install an Eclipse-based or Workbench product before retrying the installation of Express Runtime.

### IRU08125

Invalid command line arguments specified... exiting.

**Explanation:**

Invalid options were included in the command line invocation of the LaunchPad.

**User response:**

Invoke the LaunchPad using only the following options:

-p <property file>: Runs the LaunchPad with the specified properties file (required) -d: Runs the LaunchPad in the default locale (optional) -o <options file> : Runs the LaunchPad with the specified options file (optional) -l <locale> : Runs the LaunchPad in the specified locale (optional)

### IRU08126

`Using the options file {0} instead of command line arguments.`

**Explanation:**

Informs you that the LaunchPad is using the options file provided.

**User response:**

For information only. No action required.

### IRU08127

`Could not open options file.`

**Explanation:**

The options file specified could not be found or opened.

**User response:**

Designate a valid options file.

### IRU08128

`Could not load resource bundle... exiting.`

**Explanation:**

The resource bundle could not be opened given the specified properties file. For example, if you provide SE_LaunchPad.properties as the properties file, you must ensure that you have an SE_LaunchPad_xx.properties file for each of the locales you support, where xx is the two letter locale code.

**User response:**

Ensure that appropriate properties files exist for each supported locale.

### IRU08129

`Unknown builtin command: {0}`

**Explanation:**

An unknown builtin command was specified in the properties file.

**User response:**

The only supported builtin command is `exit`. Do not use any other builtin commands.

### IRU08130

`Unknown command type: {0}`

**Explanation:**

The command specified in the properties file is not supported. The supported commands are: `file://`, `exec://`, `builtin://`, `html://`, and `exec_usepath://`.

**User response:**

Provide a supported command in your properties file.

### IRU08131

`Unable to display HTML document. See logfile.`

**Explanation:**

The HTML file you are attempting to load cannot be displayed.

**User response:**

Review the log file (in Express Runtime, the log file is IRU_DeploymentWizard.log; in the IBM Installation Agent, the log file is IRU_IIA.log). If the problem cannot be resolved, contact your solution provider.

### IRU08132

`Unable to launch command. See logfile.`

**Explanation:**

There is a problem completing the command, such as a command to run the deployer, run the Express Runtime developer, or to start and stop the agent.

**User response:**

Review the log file (in Express Runtime, the log file is IRU_DeploymentWizard.log; in the IBM Installation Agent, the log file is IRU_IIA.log). If the problem cannot be resolved, contact your solution provider.

### IRU08133

`The Express Runtime developer is already installed on this machine.`

**Explanation:**

The Express Runtime developer is already installed on the system. This might be from another solution provider's installation of the Express Runtime developer. You can have only one copy of the Express Runtime developer installed on a system at one time.

**User response:**

For information only. No action required.

### IRU08134

`The install program is unable to finish writing files to the temporary directory {0} because there is not enough space.`

**Explanation:**

This message is displayed when you click on Install in the LaunchPad if there is not enough space in the default temporary directory to store the temporary files needed to run the installation.

**User response:**

Launch the installation from the command line specifying `-is:tempdir <temp location>` as a command line option to relocate the temporary files.

### IRU08135

```
You are attempting to install a new version of the Express Runtime
developer function of Express Runtime, but a previous version of the
Express Runtime developer is already installed on this system. You must
uninstall the existing version of Express Runtime first. After you
uninstall Express Runtime, refer to the migration steps provided to your
Development group for reinstallation instructions so that you can migrate
your user data from the previous version.
```

**Explanation:**

The user is attempting to install a new version of the Express Runtime developer on a machine with an older version already installed.

**User response:**

Contact your solution provider.

### IRU08136

```
The Solution Launcher was unable to locate the following license file -
{0}. Contact your solution provider.
```

**Explanation:**

The Solution Launcher was unable to find the specified license file.

**User response:**

Contact your solution provider.

### IRU08137

```
An error occurred while reading the license file. The encoding of {0} might
not match the encoding specified in the response file. The exception is
printed below.
```

**Explanation:**

The encoding of the license file does not match the encoding specified in the response file for the current locale.

**User response:**

Correct the encoding in the response file to match that of the license file.

### IRU08139

`Unable to create the temp directory {0}.`

**Explanation:**

The Solution Launcher was unable to create a temporary directory in which to install the components for this solution deployment.

**User response:**

Ensure that the parent directory of the temporary directory specified is writable. If the error persists, contact your solution provider.

### IRU08140

`The installation agent is already installed in a directory other than the one you specified in the response file. You cannot install the installation agent to multiple locations. The installation aborted.`

**Explanation:**

The IBM Installation Agent cannot be installed to more than one location on the target machine.

**User response:**

Either uninstall the existing installation agent and reinstall it in the new directory, or change the directory in the response file to the location where the existing agent is already installed. Retry the installation.

## IRU10000 messages

IRU10000 messages are log messages that are created during solution deployment. They are logged during the deployment of multiple applications.

### IRU10000
**Explanation:**

The command issued during deployment. : The following command was issued: {0}

**User response:**

This is an informational message. No action is required.

### IRU10001

`Exception occurred issuing command. Exception: {0}`

**Explanation:**

The command failed due to the listed exception.

**User response:**

This is an informational message. No action is required.

### IRU10002

```
Get properties failed : The properties file could not be read during
deployment.
```

**User response:**

This is an informational message. No action is required.

### IRU10003

```
Copy file {0} to {1} was successful
```

**Explanation:**

The file copy was successful.

**User response:**

This is an informational message. No action is required.

### IRU10004

```
Copy file {0} to {1} failed
```

**Explanation:**

The file could not be copied.

**User response:**

This is an informational message. No action is required.

### IRU10005

```
Unzipping file {0}
```

**Explanation:**

The file listed is being unzipped.

**User response:**

This is an informational message. No action is required.

### IRU10006

```
Unzipped file {0} successfully
```

**Explanation:**

The file was unzipped successfully.

**User response:**

This is an informational message. No action is required.

### IRU10007

`Failed to unzip file {0}.`

**Explanation:**

The file could not be unzipped.

**User response:**

This is an informational message. No action is required.

### IRU10008

`Extracting from tar file {0}.`

**Explanation:**

Files are being extracted from the listed tar file.

**User response:**

This is an informational message. No action is required.

### IRU10009

`Failed to extract from tar file {0}.`

**Explanation:**

Files could not be extracted from the listed tar file.

**User response:**

This is an informational message. No action is required.

### IRU10010

`Command failed with return code {0}.`

**Explanation:**

The issued command failed with the listed return code.

**User response:**

This is an informational message. No action is required.

### IRU10011

`Command succeeded.`

**Explanation:**

The command completed successfully.

**User response:**

This is an informational message. No action is required.

### IRU10012

```
Creating file {0}.
```

**Explanation:**

The file listed is being created.

**User response:**

This is an informational message. No action is required.

### IRU10013

```
Exception occurred creating file. {0}
```

**Explanation:**

The file could not be created due to the listed exception.

**User response:**

This is an informational message. No action is required.

### IRU10014

```
Failed creating file {0}
```

**Explanation:**

The file could not be created.

**User response:**

Refer to message IRU10013 for the reason the file could not be created.

### IRU10015

```
IBM HTTP Server is a prerequisite product.
```

**Explanation:**

The IBM HTTP server must be installed.

**User response:**

Install the IBM HTTP server.

## IRU10016

The IBM Installation Agent must run with {0} special authority to perform
an install.

**Explanation:**

The special authority, listed in the message, is required to perform the necessary
install actions.

**User response:**

Stop the IBM Installation Agent and restart it from a user ID with the correct
authority.

## IRU10017

PTF {0} for product {1} applied successfully.

**Explanation:**

The PTF was successfully applied to the system.

**User response:**

This is an informational message. No action is required.

## IRU10018

Failed to apply PTF {0} for product {1}.

**Explanation:**

The PTF could not be applied to the system.

**User response:**

This is an informational message. No action is required. This condition could result
when a particular language feature is not installed for the product.

## IRU10019

Group PTF {0} level {1} for product {2} applied successfully.

**Explanation:**

The group PTF was successfully applied to the system.

**User response:**

This is an informational message. No action is required.

## IRU10020

Failed to apply group PTF {0} level {1} for product {2}.

**Explanation:**

The group PTF was not able to be applied to the system.

**User response:**

This is an informational message. No action is required.

## IRU10800 messages

IRU10800 messages are related to the install of the Express Runtime.

### IRU10800

```
The install program you are running is not compatible with the operating
system.
```

**Explanation:**

You have selected to install a program that is incompatible with the operating system.

**User response:**

Verify the operating system before installing the product.

### IRU10801

```
The directory name must include at least 1 character.
```

**Explanation:**

The installation path on UNIX systems must have at least 1 character.

**User response:**

Enter a path name that consists of at least one character.

### IRU10802

```
The first character in the directory name must be a slash (/).
```

**Explanation:**

The installation path must start with a slash (/).

**User response:**

Enter a path that begins with a slash.

### IRU10803

```
The directory name must be at least 3 characters.
```

**Explanation:**

A Microsoft® Windows(C) destination was specified with less than three characters.

**User response:**

Enter a valid destination path.

### IRU10804

`The first character in the directory name must be a valid drive letter.`

**Explanation:**

An invalid character was entered at the beginning of the directory name.

**User response:**

Enter a valid drive letter as the first character in the destination path. The range is from A to Z.

### IRU10805

`The second character in the directory name must be a colon (:).`

**Explanation:**

The second character in a Windows path name must be a colon.

**User response:**

Enter a valid path using a colon as the second character.

### IRU10806

`The third character in the directory name must be a backslash (\).`

**Explanation:**

The third character in a Windows path name must be a backslash (\).

**User response:**

Enter a valid path using a backslash as the third character.

### IRU10807
**Explanation:**

A Microsoft Windows path name contains characters that are not valid.

**User response:**

Enter a path that contains valid characters.

### IRU10808

`Path names cannot contain double backslashes (\\)`

**Explanation:**

Microsoft Windows path names cannot contain double backslashes (\\).

**User response:**

Enter a valid path.

### IRU10809

```
The directory you selected does not have enough space. Please select
another location.
```

**Explanation:**

A destination path does not contain enough space to complete the installation.

**User response:**

Enter another path.

### IRU10810

```
The temporary directory does not have sufficient space. Click Browse to
select an alternate temporary location.
```

**Explanation:**

The temporary directory must contain enough space to initiate the installation.

**User response:**

Enter another path.

### IRU10811

```
The directory does not exist. Do you want to create it?
```

**Explanation:**

The requested destination directory does not exist.

**User response:**

Click Yes to create the directory.

### IRU10814

```
The installation aborted. Some of the program files might not have been
removed.
```

**Explanation:**

The installation was aborted, either by user request or by program failure, but some installation files might remain on the computer.

**User response:**

Analyze the log file for details about why the installation aborted. Remove any remaining program files from the directory you specified during the installation.

### IRU10815

`Installation language = {0}`

**Explanation:**

Specifies the language the user selected for the Express Runtime installation program.

**User response:**

This is an informational message. No action is required.

### IRU10816

`Installation directory = {0}`

**Explanation:**

Specifies the location in which the Express Runtime program is installed.

**User response:**

This is an informational message. No action is required.

### IRU10817

`Installation is complete.`

**Explanation:**

Informs the user that the install has completed.

**User response:**

This is an informational message. No action is required.

### IRU10818

`The destination directory should contain a maximum of 40 characters.`

**Explanation:**

The destination panel restricts the user to enter no more than 40 characters for the destination directory.

**User response:**

Enter a destination directory with 40 or fewer characters.

## IRU11000 messages

IRU11000 messages are logged during the deployment of the WebSphere Express application.

### IRU11000

`Installation of WebSphere Express is in progress.`

**Explanation:**

The WebSphere Express application installation has started.

**User response:**

This is an informational message. No action is required.

### IRU11001

`Installation of WebSphere Express was successful.`

**Explanation:**

The WebSphere Express application installation completed successfully.

**User response:**

This is an informational message. No action is required.

### IRU11002

`Installation of WebSphere Application Server - Express failed.`

**Explanation:**

The installation did not complete successfully.

**User response:**

Refer to the log file for more information.

### IRU11003

`Configuring WebSphere ports.`

**Explanation:**

The configuration script to modify the WebSphere ports has been invoked.

**User response:**

This is an informational message. No action is required.

### IRU11004

`Port assignment {0} = {1}.`

**Explanation:**

The WebSphere port assignment was successful.

**User response:**

This is an informational message. No action is required.

### IRU11005

`Configuring WebSphere Administration ports.`

**Explanation:**

The configuration script to modify the WebSphere Administration ports has been invoked.

**User response:**

This is an informational message. No action is required.

### IRU11006

`Installation of WebSphere Administration console is in progress.`

**Explanation:**

The script to install the WebSphere Administration console has been invoked.

**User response:**

This is an informational message. No action is required.

### IRU11007

`Installation of WebSphere Administration console was successful.`

**Explanation:**

The WebSphere Administration console has been deployed.

**User response:**

This is an informational message. No action is required.

### IRU11008

`Installation of WebSphere Administration console failed.`

**Explanation:**

The WebSphere Administration console has not been deployed.

**User response:**

Refer to the log file for more information.

### IRU11009

`Starting WebSphere Application Server - Express.`

**Explanation:**

The WebSphere Application Server - Express started during deployment.

**User response:**

This is an informational message. No action is required.

### IRU11010

```
Stopping WebSphere Application Server - Express.
```

**Explanation:**

WebSphere Application Server - Express was stopped during deployment.

**User response:**

This is an informational message. No action is required.

### IRU11011

```
WebSphere Application Server - Express installation directory: {0}
```

**Explanation:**

The message lists the installation directory for WebSphere Application Server - Express.

**User response:**

This is an informational message. No action is required.

### IRU11012

```
Configuring WebSphere ports failed.
```

**Explanation:**

The configuration of the WebSphere ports failed.

**User response:**

Refer to the log file for more information.

### IRU11013

```
Configuring WebSphere Administration ports failed.
```

**Explanation:**

The configuration of the WebSphere Administration ports failed.

**User response:**

Refer to the log file for more information.

## IRU11014

`Started WebSphere Application Server - Express.`

**Explanation:**

The WebSphere Application Server - Express started successfully.

**User response:**

This is an informational message. No action is required.

## IRU11015

`Stopped WebSphere Application Server - Express.`

**Explanation:**

The WebSphere Application Server - Express was stopped successfully.

**User response:**

This is an informational message. No action is required.

## IRU11016

`Failed to start WebSphere Application Server - Express.`

**Explanation:**

WebSphere Application Server - Express did not start successfully.

**User response:**

Refer to the log file for more information.

## IRU11017

`Failed to stop WebSphere Application Server - Express.`

**Explanation:**

The WebSphere Application Server - Express was not stopped successfully.

**User response:**

Refer to the log file for more information.

## IRU11018

`Creation of WebSphere Express Application Server {0} was successful.`

**Explanation:**

The named application server was successfully created.

**User response:**

This is an informational message. No action is required.

### IRU11019

`Creation of WebSphere Express Application Server {0} failed.`

**Explanation:**

A failure occurred when trying to create the named application server.

**User response:**

Refer to the log file for more information.

### IRU11020

`There is already a WebSphere Express Application Server named {0} on the target system.`

**Explanation:**

It is not possible to create the named application server because a server with that name already exists. While server names on OS/400 (i5/OS) are case sensitive, two servers cannot exist where the names vary only by upper and lower case.

**User response:**

Either select a different server name or delete the existing server before retrying.

### IRU11021

`Deployment of sample application snoop was successful.`

**Explanation:**

The snoop servlet was successfully deployed in the new application server.

**User response:**

This is an informational message. No action is required.

### IRU11022

`Deployment of sample application snoop failed.`

**Explanation:**

The snoop servlet was not able to be deployed in the new application server.

**User response:**

Refer to the log file for more information.

### IRU11023

The range of WebSphere ports {0} overlaps with the HTTP server port {1}.

**Explanation:**

The range of WebSphere ports selected for the application server cannot overlap with the port selected for the HTTP server. This results in a conflict at runtime.

**User response:**

Enter a different value for either the starting WebSphere port or for the HTTP server port.

## IRU11200 messages

IRU11200 messages are logged during the deployment of the HTTP server application.

### IRU11200

HTTP Server for OS/400 (i5/OS) release level {0} not installed. Target system OS/400 (i5/OS) release level is {1}.

**Explanation:**

The HTTP server application for OS/400 (i5/OS) is tied to the operating system release level. This application could not be installed on the target system because of a mismatch.

**User response:**

The HTTP server application for the appropriate target OS/400 (i5/OS) release will install successfully. If no HTTP server applications exist for the OS/400 (i5/OS) release of the target system, specify a different target system that has a valid OS/400 (i5/OS) release installed.

### IRU11201

Configuration of OS/400 (i5/OS) HTTP server failed. OS/400 release must be at release level {0} or later.

**Explanation:**

The HTTP server could not be created and configured because the target system is not at the minimum OS/400 (i5/OS) release or later.

**User response:**

Specify a target system that has a valid OS/400 (i5/OS) release installed.

### IRU11202

Configuration of OS/400 (i5/OS) HTTP server failed. The HTTP server product {0} is not installed on target system.

**Explanation:**

The HTTP server could not be created and configured because the HTTP server product is not installed on the target system.

**User response:**

Deploy the HTTP server application task to the target system.

### IRU11203

Configuration of OS/400 (i5/OS) HTTP server failed. An HTTP server named {0} is already defined on the target system.

**Explanation:**

The HTTP server could not be created and configured because there is already a server on the target system with the same name.

**User response:**

Either specify a different server name or delete the existing server before retrying.

### IRU11204

The HTTP server root directory {0} already exists. Renaming the directory to {1} and creating a new root directory.

**Explanation:**

The server root directory needs to be created for the new server, but the directory already exists. The existing directory will be renamed and a new one created in its place with the necessary contents and authorities for the new server.

**User response:**

This is an informational message. No action is required.

### IRU11205

Configuration of IBM HTTP server {0} was successful.

**Explanation:**

The HTTP server was created and configured successfully.

**User response:**

This is an informational message. No action is required.

### IRU11206

Configuration of OS/400 (i5/OS) HTTP server {0} failed.

**Explanation:**

The HTTP server could not be created or configured successfully.

**User response:**

Refer to the log file for more information.

### IRU11207

```
Configuration of OS/400 (i5/OS) HTTP server configuration file {0} was
successful.
```

**Explanation:**

The configuration file was created and written successfully.

**User response:**

This is an informational message. No action is required.

### IRU11208

```
Configuration of OS/400 (i5/OS) HTTP server configuration file {0} failed.
```

**Explanation:**

The configuration file was not created successfully.

**User response:**

Refer to the log file for more information.

### IRU11209

```
Creation of directory {0} was successful.
```

**Explanation:**

The specified directory was created.

**User response:**

This is an informational message. No action is required.

### IRU11210

```
Creation of directory {0} failed.
```

**Explanation:**

The specified directory was not created.

**User response:**

Refer to the log file for more information.

### IRU11211
**Explanation:**

The HTTP server instance file was created and written successfully.

**User response:**

This is an informational message. No action is required.

### IRU11212

`Configuration of OS/400 (i5/OS) HTTP server instance file {0} failed.`

**Explanation:**

The HTTP server instance file was not created successfully.

**User response:**

Refer to the log file for more information.

### IRU11213

`Configuration of OS/400 (i5/OS) HTTP server failed. The WebSphere Express Application Server named {0} does not exist on the target system.`

**Explanation:**

The HTTP server configuration was not modified because the named WebSphere Express Application server could not be found on the target system.

**User response:**

Refer to the log file for more information.

## IRU11400 messages

IRU11400 messages are logged during the deployment of the Express Runtime Sample application.

### IRU11400

`Installation of the Express Runtime Sample Application is in progress.`

**Explanation:**

The installation of the Express Runtime sample application has started.

**User response:**

This is an informational message. No action is required.

### IRU11401

`No WebSphere script was run`

**Explanation:**

The WebSphere script for the Express Runtime sample application was not invoked.

**User response:**

This is an informational message. No action is required.

## IRU11402

No DB2 script was run

**Explanation:**

The DB2 script for the Express Runtime sample application was not invoked.

**User response:**

For informational purposes only. No action required.

## IRU11403

Unable to read the value of {0} from file {1}.

**Explanation:**

The DB2 script for the Express Runtime Sample application was not invoked.

**User response:**

This is an informational message. No action is required.

## IRU11404

User profile {0} does not exist.

**Explanation:**

The user profile does not exist on the target system.

**User response:**

Specify a valid user profile name for the target system.

## IRU11405

An error occurred attempting to swap to user {0}.

**Explanation:**

The swap to the user profile failed.

**User response:**

Specify a valid user profile name and password for the target system.

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# Chapter 5. Accessibility

You can use screen-reader software to hear what is displayed on the user interface of all Express Runtime products. You can operate all features using the keyboard instead of the mouse. Express Runtime honors system accessibility settings, such as font and color settings. Accelerator and mnemonic keys are enabled throughout Express Runtime. These are identified on the Menu bar and its associated pull-down menus.

You can use keys or key combinations to perform operations that can also be done through mouse actions. Many menu actions can be initiated from the keyboard. In those cases, the keyboard equivalent is displayed to the right of the menu item or the shortcut letter is underlined. In addition, the following keyboard shortcuts are enabled:

**Tab** Navigates through the user interface.

**Arrow keys**
    Navigate within each panel in the user interface.

**F3** Decreases size of selected column incrementally.

**F4** Increases size of selected column incrementally.

**F5** Moves selected column to the left.

**F6** Moves selected column to the right.

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Part Number: BH02FML
Program Number: 5724-J10

Printed in USA

(1P) P/N: BH02FML