

WebSphere. Lombardi Edition 7.2

UNIX

IBM®

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Data Warehouse) Process Server Process App Performance (:
 . Lombardi Lombardi

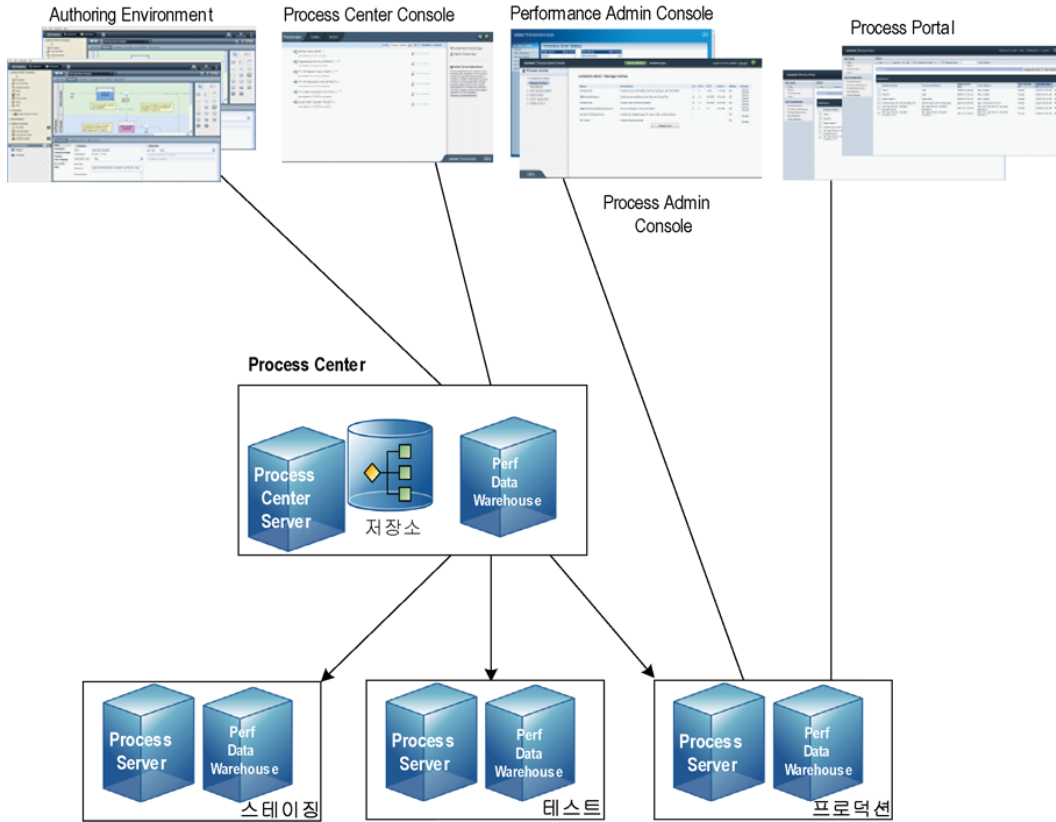
Lombardi

IBM® WebSphere® Lombardi Edition

Process Center	Process Center Console Lombardi Authoring Environment . Process Center Process Center Server Performance Data Warehouse가 Process App
Process Server	Lombardi Authoring Environment Process Center
Performance Data Warehouse	Lombardi Authoring Environment
Process Center Console	Lombardi Process App, Snapshot Process Server Process App
Authoring Environment	Lombardi Authoring Environment 가
Process Portal	가 Process Portal Process Server (:) Process Center Server
Process Admin Console	가 (:) Lombardi Process Server Process Center Server
Performance Admin Console	가 (:) Lombardi Performance Data Warehouse Process Center Performance Data Warehouse

Lombardi

IBM WebSphere Lombardi Edition



- Lombardi Authoring Environment 가 Process Center
- Lombardi Authoring Environment 가 Process Center (Process App) , Authoring Environment Process Center
- Process Center Environment Process Center Server 가 Performance Data Warehouse가 Lombardi Authoring Process App
- Process Center Console 가 Process Server 가 Process App
- Process Center Console 가 Process App
- Process Portal 가 Process Server Process App Process Center
- , Process Portal 가 Process Center Server Process Server
- Lombardi Performance Data Warehouse 가 Process Server Process Center Server Lombardi Authoring Environment Process Portal

- Process Admin Console Performance Admin Console Lombardi

Lombardi

Lombardi Process Center
Server 7.0

Lombardi

WebSphere® Application
Lombardi

Lombardi

	Lombardi Authoring Environment(Windows®)	<i>Lombardi Authoring Environment</i>
	Lombardi Process Center(Process Center Server, Performance Data Warehouse Authoring Environment)	<i>Lombardi Process Center</i>
Lombardi ()	Lombardi (Process Server Performance Data Warehouse)	<i>Lombardi</i>
DB2 Express Lombardi Process Center	Lombardi Lombardi Process Center (Windows)	<i>Lombardi Express</i>
Lombardi Process Center	Lombardi Process Center	<i>Lombardi Process Center</i>
Lombardi	Lombardi	Lombardi

Lombardi

Lombardi

Lombardi
Lombardi

Lombardi

Lombardi
가 Lombardi
Lombardi
Lombardi

- Process Server
- Process Admin Console
- Process Portal
- Performance Data Warehouse
- Performance Admin Console

Lombardi Process Server Process Center
Process Center Console
Process App Snapshot . Process Center가
Lombardi
Lombardi
Process Server

Lombardi

가


1.

1.	Lombardi
2.	
3. Lombardi Process Server Lombardi Performance Data Warehouse	Lombardi

2.

1. Lombardi	
2.	
3. install.properties	
4.	

3.

Deployment	
Manager	가
Lombardi Toolkit, 	가
Lombardi Process Server Warehouse	Lombardi Performance Data Lombardi
	LDAP
Lombardi	Lombardi
	Lombardi

Lombardi

Lombardi

Lombardi



Unix Lombardi







/tmp


.IATEMPDIR

Lombardi	
	(1.3GHz) 2.2GHz
	3GB 가 RAM
	Lombardi , 4GB
	가 2GB
	10GB

Lombardi

UNIX®	IBM® AIX® 5L 5.3 IBM AIX 6.1(Power6)
-------	---

	 <p>AIX 6.1 : Lombardi JVM pap6460sr6-20090925_01 가 1GB root /etc/security/limits fsize -1 Lombardi</p> <p>Red Hat Enterprise Linux® 5(x86-32) Red Hat Enterprise Linux 5(x86-64) SUSE Linux Enterprise Server 10(x86-32) SUSE Linux Enterprise Server 10(x86-64)</p>  <p>Linux IBM Java SDK 6.0</p> <p>Sun Solaris (Sparc) 10(64 Sparc)</p>
DB2®	<p>DB2 Enterprise Server Edition 9.7 1 DB2 Workgroup Server Edition 9.7 1 DB2 Express Edition 9.7 1</p>  <p>DB2 Express Edition</p> <p>http://www.ibm.com/systems/db/9.7/9.7.5/9.7.5.DC.P.pdf</p>
Oracle	<p>Oracle Enterprise 11g 1 Oracle Standard 11g 1 Oracle Enterprise 11g 2 Oracle Standard 11g 2</p>  <p>Oracle XA</p>  <p>Oracle Enterprise 11g 2 July 2010 Critical Patch가 (1089044.1: http://www.oracle.com/technology/deploy/security/critical-patch+updates/cpuijul2010.html</p>
Microsoft SQL Server	<p>Microsoft® SQL Server 2005 SP3(Windows®) Microsoft SQL Server 2008 R1 R2(Windows)</p>  <p>SQL 가 SQL</p>

	Microsoft Internet Explorer 6, 7 8
	Internet Explorer 8
	Mozilla Firefox 3



Lombardi

WebSphere Application Server 7.0
Lombardi

Lombardi

Lombardi
Performance Data Warehouse
Lombardi

Lombardi Process Server

Lombardi

Microsoft SQL Server

Lombardi SQL

1. **SQL**

2. > > . Lombardi . (Lombardi
lombardi .)



3. Lombardi Process Server
twProcessDB . Lombardi Process Server



ASCII Process Server

<http://msdn.microsoft.com/en-us/library/ms144250.aspx>

4. Lombardi Performance Data Warehouse
Warehouse twPerformanceDB . Performance Data
Lombardi



Lombardi 가 2
가 6

- 5. > >
- 6. > db_owner
- 7. > 가 lombardi 2
lombardi


Microsoft SQL Server 2005

- SQL-Server-Performance.com: *SQL Server 2005* : http://www.sql-server-performance.com/articles/dba/authorization_2005_p1.aspx
- Microsoft TechNet: *SQL Server 2005* <http://technet.microsoft.com/en-us/library/ms143516.aspx>
- Microsoft TechNet: <http://technet.microsoft.com/en-us/library/ms175037.aspx>

Oracle

Lombardi Oracle Lombardi

- 1. Oracle Enterprise Manager Lombardi Process Server
- 2. Process Server Lombardi (Lombardi lombardi .)
- 3. Process Server DBA 가
- 4. Oracle Enterprise Manager Lombardi Performance Data Warehouse
- 5. Performance Data Warehouse Lombardi (Lombardi lombardi .)
- 6. Performance Data Warehouse DBA 가

 WebSphere Lombardi Edition Oracle Unicode
가 WebSphere Lombardi Edition AL32UTF8

DB2

IBM DB2

 DB2 DB2
<http://publib.boulder.ibm.com/infocenter/db2luw/v9r7/index.jsp>

- 가 , lombardiusr 8 lombardi Lombardi
- 가 32KB
- Unicode(UTF-8) ASCII
- 가 32KB
- 32KB
- 32KB

Lombardi

2



Lombardi
Lombardi

1. Lombardi
- 2.
- 3.
- 4.

Lombardi



Lombardi Automated

ANT

Lombardi
Lombardi

. Unix

- Lombardi install.properties 가
- 가 install.properties (

)
install.properties

- Warehouse Lombardi Lombardi Process Server Lombardi Performance Data 가

1. WebSphere Lombardi Edition



가 Unix

2. ./[installer_name].bin

가 10GB

3. Enter Lombardi

4. Enter Lombardi Enter



Ctrl+C 가 " " 가
./tmp
QUIT Ctrl+C

5. Lombardi Enter

6. Enter

Lombardi Process Server Performance Data Warehouse가



가

	Lombardi Process Server Performance Data Warehouse
	Lombardi
?	Lombardi () Lombardi 가 가 Lombardi 가.
Process Server	Lombardi Process Server twProcessDB
Process Server	lombardi . Lombardi
Process Server	가 . Lombardi
Performance Data Warehouse	Lombardi Performance Data Warehouse twPerformanceDB
Performance Data Warehouse	lombardi . Lombardi
Performance Data Warehouse	가 . Lombardi

가

Enter

12.

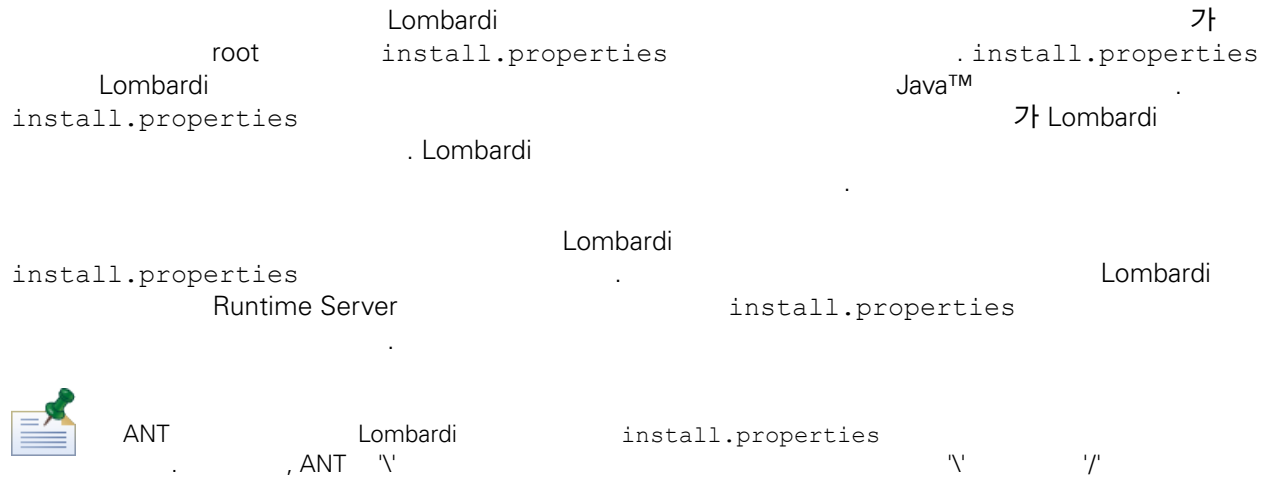
WebSphere Lombardi Edition
Lombardi

Enter



2, 3, 4

가 Lombardi (: Lombardi Process Portal Process Admin Console)
가 . Lombardi WebSphere Lombardi Edition

build-install.dita	ANT	
	build-setup.dita	ANT



4. Lombardi

deploy.target.base	Lombardi 가  Lombardi
target.os	Lombardi . Microsoft Windows win , UNIX linux
temp.dir	Lombardi (/)
install.ps	Center Process Server Process false Lombardi Process Server true . Process Server [Lombardi_home]/process-server
install.ts	Lombardi Performance Data Warehouse true . Performance Data Warehouse [Lombardi_home]/performance-data-warehouse
install.pcs	Lombardi Process Center Server false
install.reporting	Lombardi NetCharts true Lombardi false NetCharts Lombardi
install.examples	true [Lombardi_home]/web-api Lombardi API Java .NET
install.web.files	true [Lombardi_home]/tw_web_files
install.setup.type	Express Custom .Simple
language.packs	Lombardi Process Center Console, Authoring Environment, Process Portal Process Admin Console 가  Lombardi
run.twinit	Toolkit 가 true (: false)

smtp.server	Lombardi SMTP URL
startup.failure.to	.
startup.failure.from	.
startup.failure.name	.
em.enable	<pre> true false (:). </pre>
em.paused	<p>Process Server가 Lombardi 가 false Process Server 가 true IBM WebSphere Lombardi Edition 7.2</p>
em.smtp.server	SMTP URL
em.failure.email	.
em.notify.error	Lombardi
em.user	Lombardi
em.password	Lombardi
stage.jdk.home	Java 가

5. Lombardi

iip.home.dir	Lombardi WebSphere (IIP)가 [Lombardi_Auto_Installer_directory]/was-iip WebSphere IIP
websphere.platform.name	WebSphere Application Server
appserver.root	가 root (bin profiles).\${deploy.target.base}/AppServer
server.jvm.path	Lombardi Java 가 \${appserver.root}/java
websphere.profile	WebSphere Application Server
websphere.cluster.enabled.checked	true
websphere.cluster.add	가 true Deployment Manager websphere.cluster.enabled.checked가 true
appserver.jndiFactory	Java
appserver.envname	
appserver.envname.description	Process Server Performance Data Warehouse
appserver.cell	Process Server 가 WebSphere Application Server WebSphere
appserver.node	Process Server 가 Process Server WebSphere Application Server WebSphere
appserver.servername	Process Server WebSphere Application Server Process Server 가 가.
appserver.virtualhost	Process Server WebSphere Application Server 가
appserver.dmgr.profile	Lombardi Process Server WebSphere Application Server Deployment Manager
script.websphere.twinit	Toolkit run.twinit 가



Center

WebSphere Application Server 7.0 Information

6. Lombardi Process Server

ps.database	Process Server Lombardi db2, mssql oracle11g
ps.database.use_windows_auth	ps.database가 mssql true Microsoft SQL Server Windows
ps.database.url	Process Server JDBC URL URL Lombardi Process Server
ps.database.username	Process Server
ps.database.password	가 Process Server
ps.database.additionalXaProperties	Process Server
ps.database.driver	JDBC
ps.database.jar.file	JDBC 가 JAR
ps.host	: Process Server localhost localhost Process Server
ps.port	: Process Server 9086
ps.jndiPort	2812
ps.url	Process Server HTTP URL http://[ps.host]:[ps.port]
ps.jndiUrl	Process Server URL .corbaname:iiop:[ps.host]:[ps.jndiPort]
ps.loglevel	ps.logpath
ps.initpool	가 2
ps.maxpool	Process Server 15
ps.logpath	Process Server \${appserver.root}/logs
ps.minmem	Process Server Java (MB)
ps.maxmem	Process Server Java (MB)
ps.enablePerformanceServerComm	Performance Data Warehouse true true Performance Data Warehouse ts.jndiUrl
script.websphere.ps.config	Process Server 가
script.websphere.ps.deploy	Process Server 가


script.websphere.ps.coppolicy	WebSphere Application Server	WAR
	가	.

7. Lombardi Performance Data Warehouse

ts.database	Performance Data Warehouse db2, mssql oracle11g
ts.database.use_windows_auth	ts.database가 mssql true Microsoft SQL Server Windows
ts.database.url	Performance Data Warehouse JDBC URL URL Lombardi Performance Data Warehouse
ts.database.username	Performance Data Warehouse
ts.database.password	가 Performance Data Warehouse
ts.database.additionalXaProperties	
ts.database.driver	JDBC
ts.database.jar.file	JDBC 가 JAR
ts.host	: Performance Data Warehouse localhost localhost
ts.port	: Performance Data Warehouse 9085
ts.jndiPort	2811
ts.url	Performance Data Warehouse HTTP URL http://[ts.host]:[ts.port]
ts.jndiUrl	Performance Data Warehouse URL . corbaname:iiop:[ts.host]:[ts.jndiPort]
ts.loglevel	ts.logpath
ts.initpool	가 2
ts.maxpool	Performance Data Warehouse 15
ts.logpath	Performance Data Warehouse \${appserver.root}/logs
ts.minmem	Performance Data Warehouse Java (MB)
ts.maxmem	Performance Data Warehouse Java (MB)
twperfserver.servername	Performance Data Warehouse WebSphere Application Server 가 가.

twperfserver.virtualhost	Performance Data Warehouse 가	WebSphere Application Server
script.websphere.ts.config	Performance Data Warehouse	가
script.websphere.ts.deploy	Performance Data Warehouse	가

8. Lombardi Process Center Server

pcs.host	Lombardi Process Center Server가	Process Server
pcs.port	Lombardi Process Center Server가 Process Server	Process Center Server HTTP
pcs.jndiPort		Process Center Server
pcs.url	Process Center Server HTTP http://[pcs.host]:[pcs.port]	URL
pcs.jndiUrl	Process Center Server jnp://[pcs.host]:[pcs.jndiPort]	URL
ps.heartbeat.interval	Process Server 	Process Center Server 10 0 -1



Process Center

Process Server

0

install.properties

9.

install.was	true
appserver.home	.
websphere.home	.
appserver.clienthome	.
target.queuemanager	.
mq.host	.
mq.port	.
mq.channel	.
ps.ear.expanded	.
ts.ear.expanded	.
ps.portal.expanded	.

```
install.properties ( )
Lombardi
```

1. 가 root
2. install.sh Lombardi 가

ANT

```
Lombardi ANT
Lombardi ANT ANT Java
. ANT
가 ANT build-install.xml Lombardi
XML .build-install.xml
```

```
install.properties
```

1. 가
2. install target 3

```
ant -buildfile build-install.xml
```



root build-install.xml

unpack-was-iip-jdk	.
--------------------	---

auto-install-was	JAVA_HOME [auto_install_root]/was-iip-jdk .
install	JAVA_HOME [auto_install_root]/was-iip-jdk .

Lombardi 가 ANT (:) ,
install-ps:
ANT
Lombardi Lombardi

Apache ANT
<http://ant.apache.org/>

Lombardi 가 Lombardi
Lombardi 가 [Lombardi_home]

Lombardi 가 Deployment Manager 가
Deployment Manager
websphere.cluster.enabled.checked true

1. Lombardi 가 Deployment Manager
[Lombardi_home]/AppServer/profiles/Dmgr01/bin/startManager.sh

2. Deployment Manager가 Deployment Manager

[Lombardi_home]/AppServer/profiles/Lombardi/bin/syncNode.sh [DM_host]
[DM_SOAP_Connector_port] -user tw_user -password tw_user

:

[DM_host]	Deployment Manager가 .
[DM_SOAP_connector_port]	(Deployment Manager가) Deployment Manager SOAP Deployment Manager SystemOut.log SOAP connector is available at port

-user	. tw_user
-password	. tw_user tw_user

3.

4. mbardi [Lombardi](#)

가

가



가

가

Lombardi	
install.properties	install.properties
가	Lombardi WebSphere 가
가	HTTP
	가
Lombardi	
Lombardi	Lombardi

Lombardi

Lombardi

- Lombardi
- Lombardi

install.properties

Runtime Server [install.properties](#)

- `websphere.cluster.enabled.checked` `websphere.cluster.add` true
true

1. [Lombardi_home]/process-server/bin

2.

```
configure_cluster_member.sh -cell [cell_name] -name [cluster_member_name]
-schema [schema_name] {-conntype [SOAP|RMI] -host [host name] -port [port]
-user [user_name] -password [password]}
```

:

[cell_name]	
[cluster_member_name]	(가) 가
[schema_name]	가 SIB
-conntype	
-host	
-port	
-user	. tw_user
-password	. tw_user tw_user

```
configure_cluster_member.sh -cell milesc-w500Cell101 -name twprocsvr2 -schema
schemanode02 -conntype SOAP -host localhost -port 8879 -user tw_user -password
tw_user
```

3. [Lombardi_home]/performance-data-warehouse/bin

4.

```
configure_cluster_member.sh -cell [cell_name] -name [cluster_member_name]
-schema [schema_name] {-conntype [SOAP|RMI] -host [host name] -port [port]
-user [user_name] -password [password]}
```

:

[cell_name]	
[cluster_member_name]	(가) 가
[schema_name]	가 SIB
-conntype	
-host	
-port	
-user	. tw_user
-password	. tw_user tw_user

```
configure_cluster_member.sh -cell miles-c-w500Cell101 -name twperfsvr2 -schema
schemanode02 -conntype SOAP -host localhost -port 8879 -user tw_user -password
tw_user
```

가

HTTP

1. WebSphere > > **WebSphere Application Server** > **[your_new_server]**
> > **[default_inbound_transport_chain]** >
[inbound_channel] >
2. (: WCInboundDefault) 가



WebSphere 가 > 가 > **[your virtual host]** >

- Lombardi Process Server > > **WebSphere Application**
Server > **twprocsvr** > > **WCInboundDefault** > **TCP**
(TCP_2) >



(: WC_defaulthost)가 가
가

Lombardi Process Server Lombardi
 Performance Data Warehouse

1. WebSphere > **JMS** >
2. (: **TWClientConnectionFactory**).
- JMS (node1_host:port
)
)
3. node1_host:port,node2_host:port



SIB_ENDPOINT_ADDRESS > > **WebSphere Application**
Server > **[server_name]** > >

- 4.
5. WebSphere > **JMS** >
6. (: **QueueConnectionFactory**).

7.

8.

Lombardi

가 , Lombardi

- JNDI URL 가
- PO

가 00Static.xml
 <performance-server-communication><provider><url> JNDI URL

corbaname:iiop:[your_host1]:[bootstrap_port1],: [your_host2]:[bootstrap_port2]

WebSphere Application Server > [server_name] > > WebSphere >

100Custom.xml Lombardi
 [Lombardi_home]/process-server/config/system/00Static.xml

[Lombardi_home]/process-server/config/100Custom.xml 가 . Lombardi
 100Custom.xml . Lombardi

Lombardi Process Server

[Lombardi_home]/process-server/config/100Custom.xml

```
<properties>
  <common merge="mergeChildren">
    <performance-server-communication merge="mergeChildren">
      <provider merge="mergeChildren">
        <url merge="replace">corbaname:iiop:Paris.mycompany.com:3811,:Rome.mycompany.com:3811</url>
      </provider>
    </performance-server-communication>
  </common>
</properties>
```

() [Lombardi_home]/process-server/config/100Custom.xml

```
<properties>
  <common merge="mergeChildren">
    <cache-jms-jndi-lookups merge="replace">false</cache-jms-jndi-lookups>
  </common>
</properties>
```

PO [Lombardi_home]/process-server/config/100Custom.xml


```

<!-- set unversioned-po-caching-enable to false for clustering
<common merge="mergeChildren">
  <environment-name merge="replace">My Environment</environment-name>
  <default-unversioned-po-cache-size merge="replace">500</default-unversioned-po-cache-size>
  <default-versioned-po-cache-size merge="replace">500</default-versioned-po-cache-size>
  <unversioned-po-caching-enable merge="replace">false</unversioned-po-caching-enable>
  <default-webapi-userid-cache-size merge="replace">500</default-webapi-userid-cache-size>
</common>
-->

</environment-name>
</default-unversioned-po-cache-size>
500).

```

Lombardi

Lombardi

1. / 가 / Deployment Manager

```
[Lombardi_home]/AppServer/profiles/Lombardi/bin/stopNode.sh
```

```
[Lombardi_home]/AppServer/profiles/Dmgr01/bin/stopManager.sh -user tw_user
-password tw_user
```

2. Deployment Manager

```
[Lombardi_home]/AppServer/profiles/Dmgr01/bin/startManager.sh
```

3. Deployment Manager가 Deployment Manager

```
[Lombardi_home]/AppServer/profiles/Lombardi/bin/syncNode.sh [DM_host]
[DM_SOAP_Connector_port] -user tw_user -password tw_user
```

[DM_host]	Deployment Manager가
[DM_SOAP_connector_port]	(Deployment Manager가) Deployment Manager SOAP Deployment Manager SystemOut.log SOAP connector is available at port
-user	. tw_user
-password	. tw_user tw_user

4. Lombardi

5. Lombardi . Lombardi

Lombardi

가 , 가 Toolkit Process App Snapshot

1. [Lombardi_home]\twinit

2. twinit.sh

가

가 twinit\logs

가

3. lsw_ 가 가 Lombardi (: [schema_name].lsw_usr).

Lombardi

Lombardi



WebSphere 1

Lombardi

Process Server Performance Data Warehouse



Lombardi Node Agent가

Process Server Performance Data Warehouse

1. [Lombardi_home]/bin

2. ./startLombardi.sh

Process Server Performance Data Warehouse

1. [Lombardi_home]/bin

2. ./stopLombardi.sh

가

```
./stopLombardi.sh -user tw_user -password tw_user
```

Lombardi Process Server

```
1. [Lombardi_home]/AppServer/profiles/Lombardi/bin
```

```
2. ./startNode.sh
```

Process Server

```
1. [Lombardi_home]/process-server/bin
```

```
2. ./startProcessServer.sh
```

```
1. [Lombardi_home]/AppServer/profiles/Lombardi/bin
```

```
2. ./stopNode.sh
```

Process Server

```
1. [Lombardi_home]/process-server/bin
```

```
2. ./stopProcessServer.sh
```

Lombardi Performance Data Warehouse

```
1. [Lombardi_home]/AppServer/profiles/Lombardi/bin
```

```
2. ./startNode.sh
```

Performance Data Warehouse

```
1. [Lombardi_home]/performance-data-warehouse/bin
```

```
2. ./startPerformanceDataWarehouse.sh
```

1. [Lombardi_home]/AppServer/profiles/Lombardi/bin

2. ./stopNode.sh

Performance Data Warehouse

1. [Lombardi_home]/performance-data-warehouse/bin

2. ./stopPerformanceDataWarehouse.sh

1

WebSphere

1

1

1. [Lombardi_home]/AppServer/profiles/Lombardi/bin

2. ./startServer.sh server1 -user tw_user -password -tw_user

1

1. [Lombardi_home]/AppServer/profiles/Lombardi/bin

2. ./stopServer.sh server1 -user tw_user -password -tw_user

WebSphere

https://[host_name]/[port_WAS_console/admin]

WebSphere Lombardi Edition

:tw_user

:tw_user

LDAP

WebSphere Lombardi Edition

Lombardi

가 LDAP

가

WebSphere

LDAP

(: Microsoft Active Directory)

1. WebSphere

tw_user

. tw_user

tw_user

2. >

3. 가

4.

5.

6. 가 Directory 가

Microsoft Active

ID	SALOMLDAP // change to suit
	Microsoft Windows Active Directory
	10.1.5.18
	cn=LDAP_USER,CN=Users,DC=COMPANYQA,DC=com
	pwsaaswp

7.

8. 가

	cn=Users,DC=COMPANYQA,DC=com
	cn=Users,DC=COMPANYQA,DC=com

9.

10.

11. Lombardi . [Lombardi](#) .

12. Lombardi 가 가 가
가 WebSphere Lombardi Edition 가

13. Lombardi . [Lombardi](#) .
가

Lombardi

IBM WebSphere Lombardi Edition Lombardi
가 Lombardi WebSphere Application Server
(: LDAP) ([LDAP](#)).
Lombardi Lombardi



Lombardi tw_admin tw_admins
Lombardi tw_admins
tw_admin [Lombardi](#)


Lombardi 가 , Lombardi
가 tw_admins, Lombardi
Lombardi 가 가
가 , Lombardi 가

가



Process Admin Console Lombardi *Lombardi*

Lombardi

1. http://[host_name]:[port]/ProcessAdmin Process Admin Console (tw_admin) (tw_admin)	Process Admin Console	<i>Lombardi</i> <i>Process Admin Console</i>
2. () Lombardi	Process Admin Console	<i>Lombardi</i>
3. Lombardi 가 (: LDAP) Lombardi 가	Process Admin Console	<i>Lombardi</i>
4. http://[host_name]:[port]/ProcessCenter Process Center Console (tw_admin) (tw_admin) 가 가 Process App Toolkit  Lombardi tw_authors 가 가	Process Center Console	<i>Authoring Environment</i> <i>Process Center</i>

Lombardi

Lombardi 가 Process Admin Console
. tw_admin

1. Admin Console http://[host_name]:[port]/ProcessAdmin Process
(tw_admin) (tw_admin)

2. Process Admin Console

3.

4. >

Lombardi *Lombardi*

5.

6.

Lombardi

Lombardi

. Lombardi

EncryptPassword



tw_admin tw_user
<http://www-01.ibm.com/support/docview.wss?uid=swg21448216>

가 가

Lombardi

. tw_admin

Lombardi

- [Lombardi](#)
- [Lombardi](#)

Lombardi

1. (tw_admin) Process Admin Console [Lombardi](#) (tw_admin) tw_admin Process Admin Console
2. Process Admin Console
3. Lombardi Process Server [Lombardi](#)).
- 4.
5. [Lombardi_home]/process-server/config/system/99Local.xml
 [Lombardi_home]/process-server/config/100Custom.xml

```
<system-lane users> merge="replace" 가  

    (password-encrypted true ).
```

```
<server merge="mergeChildren">  

  <bpd-engine merge="mergeChildren">  

    <system-lane-users merge="replace">  

      <!-- Use java -cp utility.jar com.lombardisoftware.utility.EncryptPassword <password> -->  

      <!-- to generate encrypted password -->  

      <user login="tw_admin" password-encrypted="true" password="new-password"/>  

    </system-lane-users>  

  </bpd-engine>  

</server>
```



100Custom.xml

merge

. [Lombardi](#)

6. [Lombardi_home]/process-server/config/system/80EventManager.xml
 [Lombardi_home]/process-server/config/100Custom.xml

```
<password> merge="replace" 가 <password>  

    . <password-encrypted> true
```

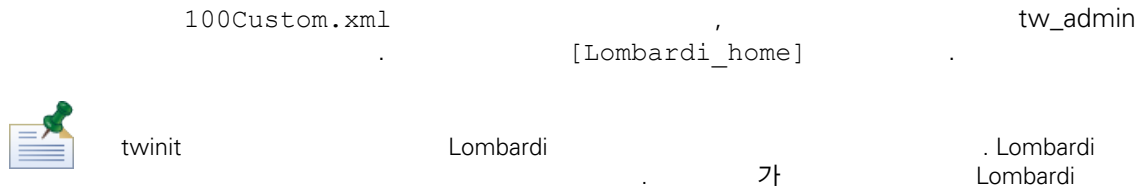
```
<event-manager merge="mergeChildren">
  <password merge="replace">[new-password]</password>
  <password-encrypted merge="replace">true</password-encrypted>
</event-manager>
```

7. 100Custom.xml

```
<properties>
  <server merge="mergeChildren">
    <bpd-engine merge="mergeChildren">
      <system-lane-users merge="replace">
        <!-- Use java -cp utility.jar com.lombardisoftware.utility.EncryptPassword <password> -->
        <!-- to generate encrypted password -->
        <user login="tw_admin" password-encrypted="true" password="new-password]" />
      </system-lane-users>
    </bpd-engine>
  </server>
  <event-manager merge="mergeChildren">
    <password merge="replace">[new-password]</password>
    <password-encrypted merge="replace">true</password-encrypted>
  </event-manager>
</properties>
```

8. Lombardi Process Server . Lombardi).
Lombardi

Lombardi



tools/process-installer/process-installer.properties	pcs.encrypted ps.encrypted
twinit/tw-init.xml	bootstrap.password
twinit/resources/config/system/99Local.xml	system-lane-users true . <password-encrypted>
twinit/resources/config/system/80EventManager.xml	event-manager true . <password-encrypted>

Lombardi

Lombardi EncryptPassword

1. [Lombardi_home]/twinit/lib


```
java -cp utility.jar com.lombardisoftware.utility.EncryptPassword <password>
    <password>
```

```
:
java -cp utility.jar com.lombardisoftware.utility.EncryptPassword JohnDoe
```

```
taVCmTLTWGkTvfavvu/7g==:sROM4ZbvqRDFYMobWXqvwg==
    가 utility.jar utility.jar
```

```
ClassNotFound 가 Java
[Lombardi_home]/AppServer/java/bin/java
```

```
:
java -cp /opt/[Lombardi_home]/twinit/lib/utility.jar
com.lombardisoftware.utility.EncryptPassword JohnDoe
```



EncryptPassword

2. Lombardi (: [Lombardi_home]/process-server/config/100Custom.xml)



98Database.xml, 80EventManager.xml 99Local.xml Lombardi
100Custom.xml

WebSphere Lombardi Edition Kerberos (SSO)
WebSphere Lombardi Edition Windows
. Kerberos Lombardi
(Process Center Console, Process Portal, Process Admin Console Performance Admin Console
)

<http://www-01.ibm.com/support/docview.wss?uid=swg21448203>

Lombardi

Lombardi

Lombardi

Lombardi

[Lombardi_home]/process-server/config/system/00Static.xml

[Lombardi_home]/process-server/config/100Custom.xml 가 .Lombardi

100Custom.xml



100Custom.xml

Lombardi

100Custom.xml

100Custom.xml

Lombardi

merge

.merge

"append"	가
"mergeChildren"	
"replace"	

100Custom.xml

99Local.xml

1. Lombardi Process Server . Lombardi
2. [Lombardi_home]/process-server/config/system/99Local.xml

```
<properties>
...
  <common merge="mergeChildren">
    ...
    <environment-name>[existing_name]</environment-name>
    ...
  </common>
...
</properties>
```

3. 100Custom.xml

```
<properties>
  <common merge="mergeChildren">
    <environment-name merge="replace">[new_name]</environment-name>
  </common>
</properties>
```

4. Lombardi Process Server . Lombardi
Lombardi



Lombardi가

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Process Center

Lombardi Process Server Process Center Lombardi
 Process Center Console Snapshot Process Center가 Lombardi Process Server

Process Server Process Center 가 Process Server Process
 Center Lombardi Process Center

1. Lombardi Process Server (Lombardi).
2. [Lombardi_home]/process-server/config/system/99Local.xml
- 3.

```
<repository-server-url>http://[process-center-host-name]:[port]/ProcessCenter</repository-server-url>
<repository-server-user>tw_runtime_server</repository-server-user>
<repository-server-password>XDfGSzXrZ7nYglKiB:yMR2XQwJXzQACE</repository-server-password>
<repository-server-password-encrypted>true</repository-server-password-encrypted>
<repository-server-designated-user>tw_author</repository-server-designated-user>
<repository-server-designated-password>fZN75qYgnZ1l0MCV80AAhA--</repository-server-designated-password>
<repository-server-designated-password-encrypted>true</repository-server-designated-password-encrypted>
<repository-server-interval>5</repository-server-interval>
```

Process Center <repository-server-url>

4. <repository-server-url> 가
 [Lombardi_home]/process-server /config/100Custom.xml
5. <repository-server-url> , http:// [process-center-host-name] : [port]
 Process Center . 100Custom.xml
 merge="replace"

```
<repository-server-url  

merge="replace">[http://process-center-host-name:port]/ProcessCenter</repository-server-url>
```



100Custom.xml merge
 Lombardi

- 6.

repository-server-user	Process Server Lombardi tw_runtime_server 가 Process Center
------------------------	---

repository-server-password	Process Server Lombardi tw_runtime_server 가
repository-server-password-encrypted	Process Center
repository-server-designated-user	(1) Lombardi Authoring Environment Inspector BPD (2) Process App Snapshot Process Server Inspector BPD Process Server Lombardi tw_author Process App Snapshot Server tw_authors 가 Process
repository-server-designated-password	Lombardi Authoring Environment Inspector BPD Process Server 가 Lombardi tw_author
repository-server-designated-password-encrypted	
repository-server-interval	Process Server가 Process Center () Process Center



7. 100Custom.xml Process Center
Server (tw_runtime_server)

```
<properties>
<common merge="mergeChildren">
<repository-server-url merge="replace">[http://process-center-host-name:port/ProcessCenter]</repository-server-url>
<repository-server-password merge="replace">[new_password]</repository-server-password>
</common>
</properties>
```

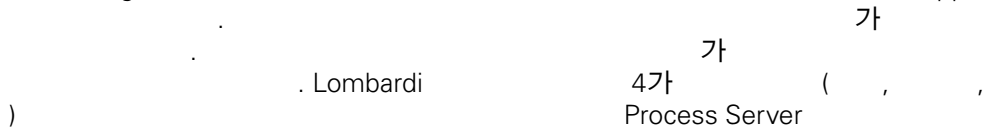
8.

9. Lombardi Process Server . Lombardi

Process Server

Lombardi Authoring Environment

Process App



Process Server

1. Lombardi Process Server . [Lombardi](#) .
2. [Lombardi_home]/process-server/config/system/99Local.xml
3. [Lombardi_home]/process-server/config/100Custom.xml

```
<environment-type>TEST</environment-type>
```
4.

```
<environment-type> . 100Custom.xml
merge="replace"
<environment-type merge="replace">STAGING</environment-type>
```



100Custom.xml
[Lombardi](#)

merge

5. 100Custom.xml

```
<properties>
  <common merge="mergeChildren">
    <environment-type merge="replace">STAGING</environment-type>
  </common>
</properties>
```
- 6.
7. Lombardi Process Server . [Lombardi](#)).

Performance Data Warehouse

Process Server

Process Server Performance Data Warehouse
 Lombardi Performance Data Warehouse Performance
 Data Warehouse Process Server



1. [Lombardi_home]/process-server/config/100Custom.xml
2. 가

```
<common> <performance-data-warehouse-communication> <enabled
merge="replace">false</enabled> </performance-data-warehouse-communication>
</common>
```
3. Lombardi Process Server Performance Data Warehouse Process Server

UCA(Undercover Agent) (BPD)
BPD, UCA

[Lombardi_home]/process-server/config/100Custom.xml
[Lombardi_home]/process-server/config/system/80EventManager.xml



가

Lombardi

[Lombardi](#)

Lombardi Process Portal tw_admin

[Lombardi_home]/process-server/config/system/99Local.xml

1. [Lombardi_home]/process-server/config/100Custom.xml

<common> 가

```
<common merge="mergeChildren">  
  <user-to-create-task  
merge="replace">[custom_task_sender_name]</user-to-create-task>  
</common>
```

- 2.

3. Lombardi

Lombardi

Lombardi

Lombardi

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1. [Lombardi_home]/uninstall/uninstall.sh

2.

Lombardi

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135-700

467-12

: 080-023-8080

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