

WebSphere. Lombardi Edition 7.2

Windows Process Center



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Center Lombardi Process Center 가 Process Center . Lombardi Process
 가 Process App .
 Performance Data Warehouse가 .
 . Lombardi

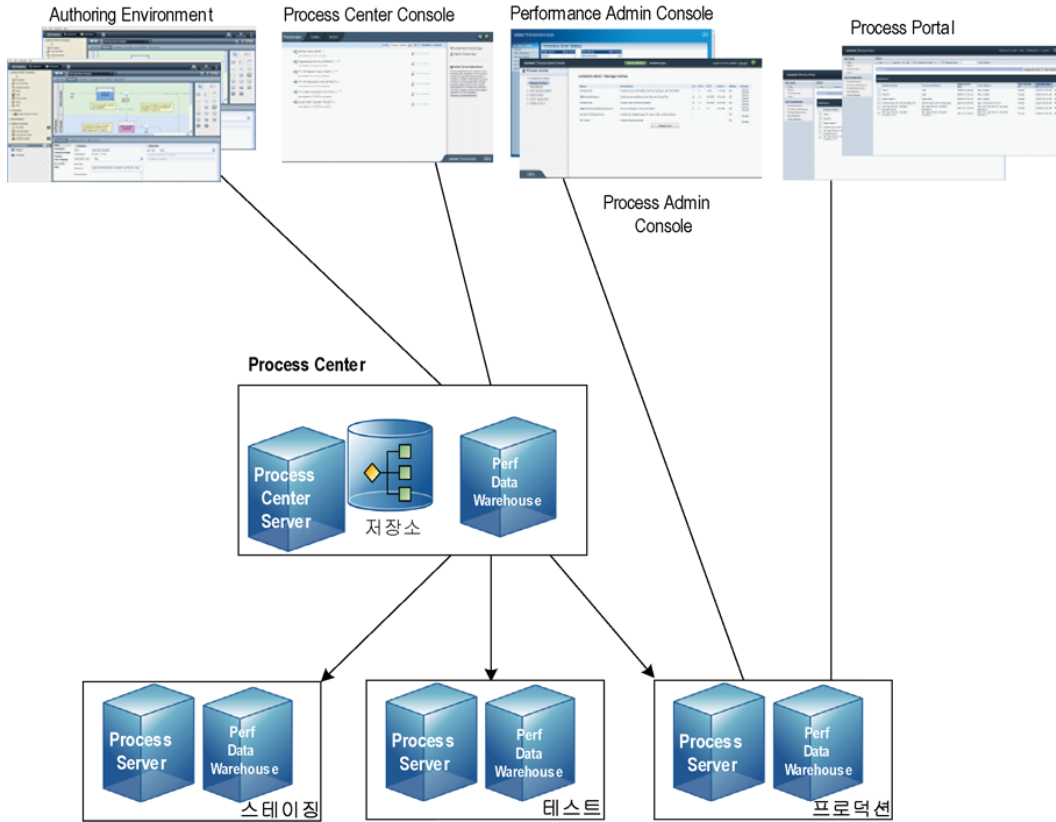
Lombardi

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 Center Server Process 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)	Lombardi Process Center
Lombardi Process Center	Lombardi Process Center	<i>Lombardi Process Center</i>
DB2 Express 가 Lombardi Process Center	Lombardi Lombardi Process Center (Windows)	<i>Lombardi Express</i>
(Lombardi)	Lombardi (Process Server Performance Data Warehouse)	<i>Lombardi Runtime Environment</i>
Lombardi	Lombardi	<i>Lombardi</i>

Lombardi Process Center

Lombardi 가 Lombardi Process Center 가 . Process Center . Lombardi .

- Process Center Server
- Process Center Console
- Process Admin Console
- Process Portal
- Performance Data Warehouse
- Performance Admin Console
- Authoring Environment

Lombardi Process Center

Lombardi Process Center 가



Lombardi Process Center



1.

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

2.

1.	Process Center
2.	Process Center Lombardi Process Center

3.

1. Process App  Lombardi	Toolkit,	
2. Lombardi Process Center Server Performance Data Warehouse  WebSphere Lombardi Edition	Lombardi	Lombardi
3.		LDAP
4. Lombardi		Lombardi Lombardi
5.		Lombardi Process Center

Lombardi Process Center






Lombardi Process Center

Lombardi Process Center

 Lombardi .TMP TEMP Windows "temp"

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

Lombardi

Windows	Microsoft® Windows Server 2003(64 32) Microsoft Windows Server 2008(64 32) Microsoft Windows Server 2003 R2(64 32) Microsoft Windows Server 2008 R2(64 32)
DB2®	DB2 Enterprise Server Edition 9.7 1 DB2 Workgroup Server Edition 9.7 1 DB2 Express Edition 9.7 1  DB2 Express Edition http://www.ibm.com/developer/ibm/97B5224B1855690606
Microsoft SQL Server	Microsoft SQL Server 2005 SP3 Microsoft SQL Server 2008 R1 R2  SQL 가 SQL
Oracle	Oracle Enterprise 11g 1 Oracle Standard 11g 1 Oracle Enterprise 11g 2 Oracle Standard 11g 2  Oracle XA  Oracle Enterprise 11g 2 July 2010 Critical Patch가 (1089044.1: http://www.oracle.com/technology/deploy/security/critical-patch-updates/cpjul2010.html
	Microsoft Internet Explorer 6, 7 8  Internet Explorer 8 Mozilla Firefox 3



Lombardi Process Center

WebSphere Application Server 7.0
Lombardi

Lombardi

Lombardi
Performance Data Warehouse
Lombardi

Lombardi Process Center Server

Lombardi

Microsoft SQL Server

Lombardi SQL

1. **SQL**

2. > > lombardi . (Lombardi .)



3. Lombardi Process Center Server twProcessDB . Lombardi Process Center Server



ASCII

Process Center Server

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

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



Lombardi

가

가

2
6

5. > >


6. > db_owner

7. > lombardi 가 lombardi 2

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 Center Server .
 2. Process Center Server . Lombardi . (Lombardi lombardi .)
 3. Process Center 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 <http://publib.boulder.ibm.com/infocenter/db2luw/v9r7/index.jsp> DB2 .
- 8 lombardi Lombardi 가 , lombardiusr
 - 가 32KB
 - ASCII Unicode(UTF-8)
 - 가 32KB
 - 32KB
 - 32KB

Process Center

Lombardi Process Center



Process Center

Lombardi Authoring Environment가

Lombardi Process Center Server

. Authoring Environment

Process Center
Process Center

Lombardi Process Center

Lombardi Process Center

Lombardi	Microsoft Windows Lombardi	Lombardi Process Center
Lombardi	Lombardi	<i>Lombardi Process Center</i>

Lombardi

Process Center

Windows
Process Center

Lombardi

. Lombardi

Lombardi



Administrator

Lombardi Process Center

1. WebSphere Lombardi Edition



Windows

32

64

Windows

- 2.

가

10GB

3. Lombardi

- 4.

5. Lombardi

6.



Performance Data Warehouse
Performance Data Warehouse

Process Center Server
Process Center Server

7.

Process Center

Process Center Process Center Server Performance Data Warehouse가

8. Process Center

	Lombardi Process Center
HTTP	Lombardi Process Center 19086
SMTP	Lombardi Process Center SMTP

9.

Lombardi

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

가 가 가 가

10. WebSphere Lombardi Edition

Shift

Ctrl

Lombardi Process Center Console, Process Portal
가 WebSphere Lombardi Edition Process Admin Console

Lombardi



Lombardi

가

11. Lombardi



가

12. 가

Lombardi

가



가 가

13.

가

가

Lombardi

Lombardi Process Center

가

14. 가

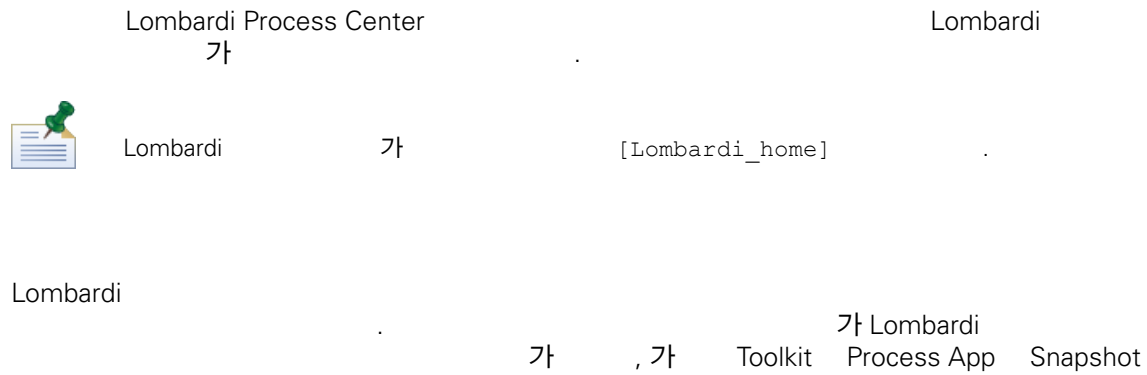
IBM Websphere Lombardi Edition



Lombardi installvariables.properties
[Lombardi_home]/UninstallerData

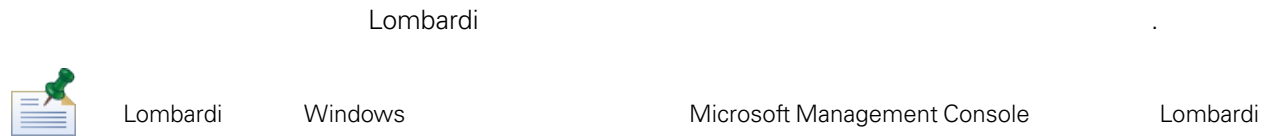
Lombardi

가



1. [Lombardi_home]\twinit
2. twinit.cmd
 - 가
 - 가 twinit\logs
3. lsw_ 가 가 Lombardi (: [schema_name].lsw_usr).

Lombardi



Lombardi

Process Center Server Performance Data Warehouse

- Process Center Server Performance Data Warehouse
1. [Lombardi_home]/bin
 2. startLombardi.cmd

- Process Center Server Performance Data Warehouse
1. [Lombardi_home]/bin
 2. stopLombardi.cmd

가

```
stopLombardi.cmd -user tw_user -password tw_user
```

Lombardi Process Center Server

Process Center Server

1. [Lombardi_home]/process-center/bin
2. startProcessCenter.cmd

Process Center Server

1. [Lombardi_home]/process-center/bin
2. stopProcessCenter.cmd

Lombardi Performance Data Warehouse

Performance Data Warehouse

1. [Lombardi_home]/performance-data-warehouse/bin
2. startPerformanceDataWarehouse.cmd

Performance Data Warehouse

1. [Lombardi_home]/performance-data-warehouse/bin
2. stopPerformanceDataWarehouse.cmd

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 가 가 Microsoft Active Directory 가

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](#)

Lombardi

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

Lombardi Lombardi Lombardi



Lombardi tw_admin tw_admins
Lombardi tw_admin [Lombardi](#)


Lombardi 가 , Lombardi
가 Lombardi tw_admins, Lombardi

가 , Lombardi 가



Process Admin Console Lombardi *Lombardi*

Lombardi

1. http://[host_name]:[port]/ProcessAdmin Process Admin Console (tw_admin) (tw_admin)	Process Admin Console	Lombardi Process Admin Console
2. () Lombardi	Process Admin Console	Lombardi
3. Lombardi 가 (:LDAP) Lombardi 가	Process Admin Console	Lombardi
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	Authoring Environment Process Center

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 Center Server [Lombardi](#)).
- 4.
5. [Lombardi_home]/process-center/config/system/99Local.xml
 [Lombardi_home]/process-center/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-center/config/system/80EventManager.xml
 [Lombardi_home]/process-center/config/100Custom.xml

```
<password> merge="replace" 가 <password>
.<password-encrypted> true
```

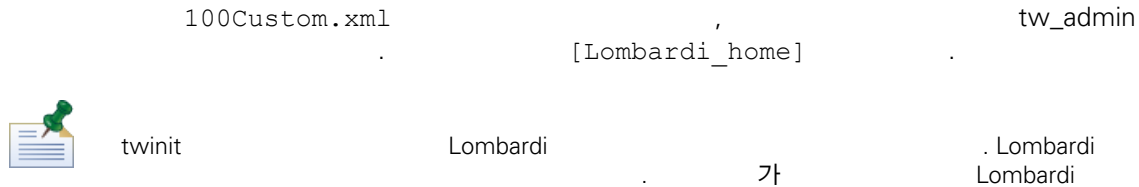
```
<event-manager merge="mergeChildren">
  <password merge="replace">[new-password]</password>
  <password-encrypted merge="replace">true</password-encrypted>
</event-manager>
```

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 Center Server (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 c:[Lombardi_home]\twinit\lib\utility.jar
com.lombardisoftware.utility.EncryptPassword JohnDoe
```



EncryptPassword

2. Lombardi (: [Lombardi_home]/process-center/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 Process Center

Lombardi

Lombardi

Lombardi

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

[Lombardi_home]/process-center/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 Center Server [Lombardi](#)
2. [Lombardi_home]/process-center/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 Center Server

[Lombardi](#)



Lombardi가

.bak

Performance Data Warehouse Server

Process Center

Process Center Server Performance Data Warehouse

. Lombardi

Performance Data Warehouse

Performance Data Warehouse

Process Center Server



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

2. 가

```
<common> <performance-data-warehouse-communication> <enabled
merge="replace">false</enabled> </performance-data-warehouse-communication>
</common>
```

3. Lombardi Process Center Server
Center Server

Performance Data Warehouse Process

UCA(Undercover Agent) (BPD)
BPD, UCA

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

[Lombardi_home]/process-center/config/system/80EventManager.xml



가

Lombardi

[Lombardi](#)

Lombardi Process Portal

tw_admin

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

Lombardi

Lombardi

Lombardi

:

-

- Lombardi Windows Windows

- IBM WebSphere Application Server v7.0 - ProcessCenter01 Windows

1. [Lombardi_home]\uninstall\uninstall.bat
Windows

- 2.

Lombardi Windows

- 3.

가 가

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IBM IBM
IBM IBM
IBM IBM

135-700

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Tokyo 106-0032, Japan*

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 " () [http://www.ibm.com/legal/copytrade.shtml].
 Linux 가 Linus Torvalds

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UNIX		가	The Open Group
Java	Java	가	Sun Microsystems, Inc.