

WebSphere. Lombardi Edition 7.2

UNIX Process Center



.....	1
.....	2
Lombardi	2
Lombardi	2
Lombardi	5
Lombardi Process Center	6
Lombardi Process Center	6
.....	7
Lombardi Process Center	7
.....	7
Lombardi	9
Microsoft SQL Server	9
Oracle	10
DB2	10
Process Center	11
Lombardi Process Center	11
Lombardi Process Center	11
.....	14
.....	14
Lombardi	15
LDAP	16
Lombardi	17
Lombardi	18
.....	21
Lombardi Process Center	22
Lombardi	22
Performance Data Warehouse Process Center Server	23
.....	23
.....	23
Lombardi	25
.....	26
.....	26
.....	27

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

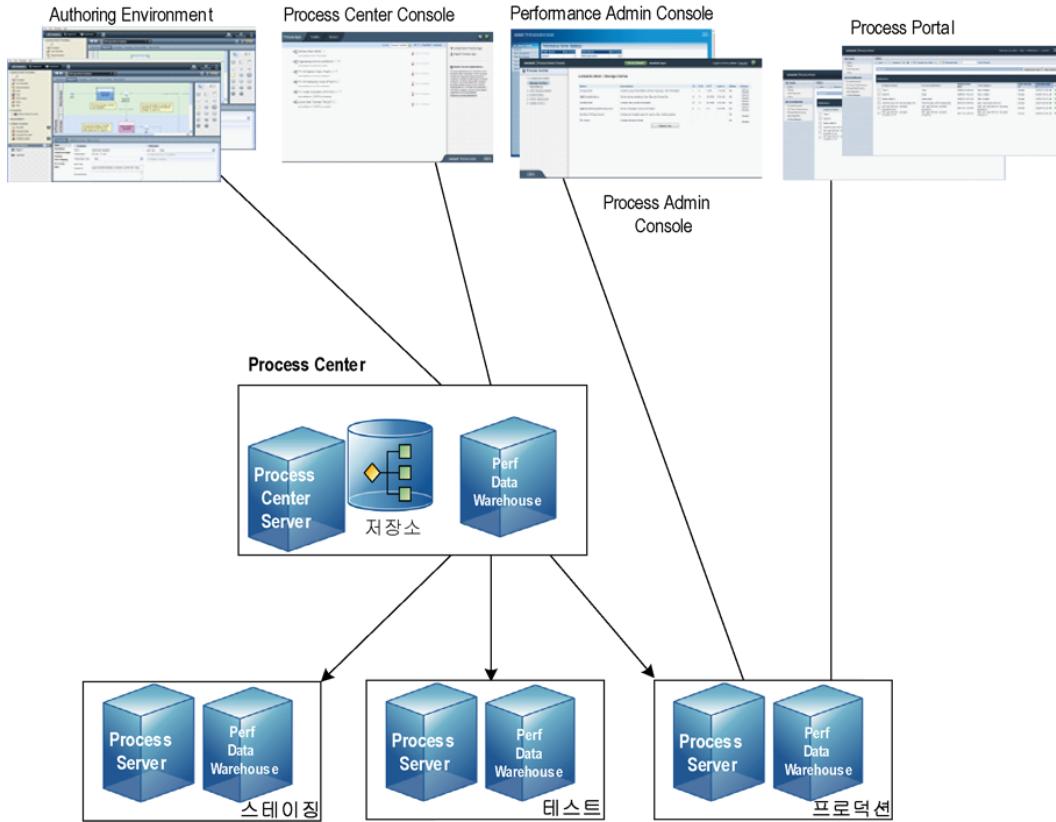
Lombardi

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 App
- Process Center Console 가 Process App
- Process Portal 가 Process App Process Center
- Process Portal , 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)	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

가
Lombardi

Lombardi Process Center
가

. Process Center
. [Lombardi](#)

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



Lombardi Authoring Environment Windows
Environment

Lombardi Authoring

Lombardi Process Center

Lombardi Process Center 가



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








Unix Lombardi



/tmp

. IATEMPDIR

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

Lombardi

<p>UNIX®</p>	<p>IBM® AIX® 5L 5.3</p> <p>IBM AIX 6.1(Power6)</p> <p> AIX 6.1 : Lombardi JVM pap6460sr6-20090925_01 .</p> <p>가 1GB root /etc/security/limits fsize -1 Lombardi .</p> <p>Red Hat Enterprise Linux® 5(x86-32)</p> <p>Red Hat Enterprise Linux 5(x86-64)</p> <p>SUSE Linux Enterprise Server 10(x86-32)</p> <p>SUSE Linux Enterprise Server 10(x86-64)</p> <p> Linux IBM Java SDK 6.0</p> <p>Sun Solaris (Sparc) 10(64 Sparc)</p>
<p>DB2®</p>	<p>DB2 Enterprise Server Edition 9.7 1</p> <p>DB2 Workgroup Server Edition 9.7 1</p> <p>DB2 Express Edition 9.7 1</p> <p> DB2 Express Edition</p> <p>http://www.ibm.com/ibm/052-B35D-553-906-CC-Product-List-9750-224-B18553-906-CC</p>
<p>Oracle</p>	<p>Oracle Enterprise 11g 1</p> <p>Oracle Standard 11g 1</p> <p>Oracle Enterprise 11g 2</p> <p>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/cpju2010.html</p>
<p>Microsoft SQL Server</p>	<p>Microsoft® SQL Server 2005 SP3(Windows®)</p> <p>Microsoft SQL Server 2008 R1 R2(Windows)</p>

	 SQL 가 SQL
	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
lombardi .)



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




ASCII

Process Center Server

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

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


	Lombardi	가	가	2 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	가	Lombardi
Oracle			
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 DB2
<http://publib.boulder.ibm.com/infocenter/db2luw/v9r7/index.jsp>

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

Process Center

Lombardi Process Center

Lombardi Process Center

Lombardi Process Center

Lombardi	UNIX Lombardi	Lombardi Process Center
Lombardi	Lombardi	<i>Lombardi Process Center</i>

Lombardi

Process Center

Unix Center

Lombardi

Lombardi

Lombardi Process

Lombardi Process Center

Lombardi

1. WebSphere Lombardi Edition



가 Unix

2. ./ [installer_name].bin

3. 가 10GB
 Lombardi
Enter

4. **Enter** Lombardi **Enter**



back
 Ctrl+C 가 " " 가
 ./tmp
 QUIT Ctrl+C

5. Lombardi
Enter

6. **Process Center** **Enter**
 Process Center Process Center Server Performance Data Warehouse가



Performance Data Warehouse Process Center Server
 Performance Data Warehouse Process Center Server

7. Process Center Server Process Center Server
Enter

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

8. Lombardi

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

Enter

9. WebSphere Lombardi Edition **Enter**
 Lombardi
 2, 3, 4

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



Lombardi

10. Lombardi **Enter**




가

11. 가 가 가

Y	Enter	Lombardi
N	Enter	Lombardi

12. Lombardi 가 가




Lombardi installvariables.properties
[Lombardi_home]/UninstallerData Lombardi

가

13. Lombardi

Y	Enter	Lombardi
N	Enter	Lombardi Lombardi

Lombardi Process Center Lombardi
가



Lombardi 가 [Lombardi_home]

Lombardi 가 Lombardi
가 , 가 Toolkit Process App Snapshot

1. [Lombardi_home]\twinit

2.
twinit.sh

가

가 twinit\logs

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

Lombardi

Lombardi



WebSphere 1

Lombardi

Process Center Server Performance Data Warehouse

Process Center Server Performance Data Warehouse

1. [Lombardi_home]/bin
2. ./startLombardi.sh

Process Center Server Performance Data Warehouse

1. [Lombardi_home]/bin
2. ./stopLombardi.sh

가

./stopLombardi.sh -user tw_user -password tw_user

Lombardi Process Center Server

Process Center Server

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

Process Center Server

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

Lombardi Performance Data Warehouse

Performance Data Warehouse

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

2. ./startPerformanceDataWarehouse.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 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
```

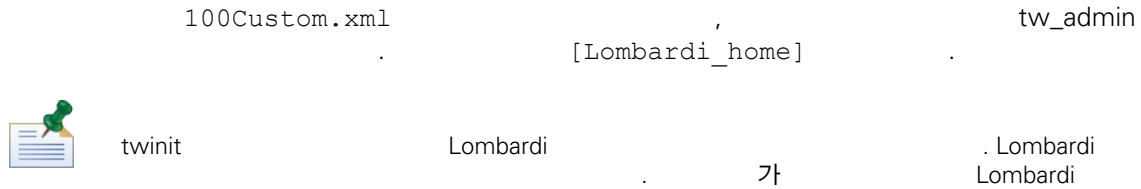
```
<event-manager merge="mergeChildren">
  <password merge="replace">[new-password]</password>
  <password-encrypted merge="replace">true</password-encrypted>
</event-manager>
```

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

    ClassNotFoundException 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-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

1. [Lombardi_home]/process-center/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

• :

•

1. [Lombardi_home]/uninstall/uninstall.sh

2.

Lombardi

IBM 가
IBM IBM
IBM IBM
IBM IBM
IBM IBM

135-700

467-12

: 080-023-8080

2

(DBCS)

IBM

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Tokyo 106-0032, Japan*

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(i) () (ii)

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 " () . [http://www.ibm.com/legal/copytrade.shtml].

Linux 가 Linus Torvalds

Microsoft	Windows	가	Microsoft Corporation
UNIX		가	The Open Group
Java	Java	가	Sun Microsystems, Inc.