WebSphere. Lombardi Edition 7.2

UNIX

IBM.

.

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

Lombardi

IBM® WebSphere® Lombardi Edition .
.

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

Lombardi

IBM WebSphere Lombardi Edition .

Authoring Environment   Process Center Console   Performance Admin Console   Process Portal

Process Admin
Console

Process Center

Process
Center
Server   저장소   Perf
Data
Warehouse

Process
Server   Perf
Data
Warehouse
스테이징

Process
Server   Perf
Data
Warehouse
테스트

Process
Server   Perf
Data
Warehouse
프로덕션
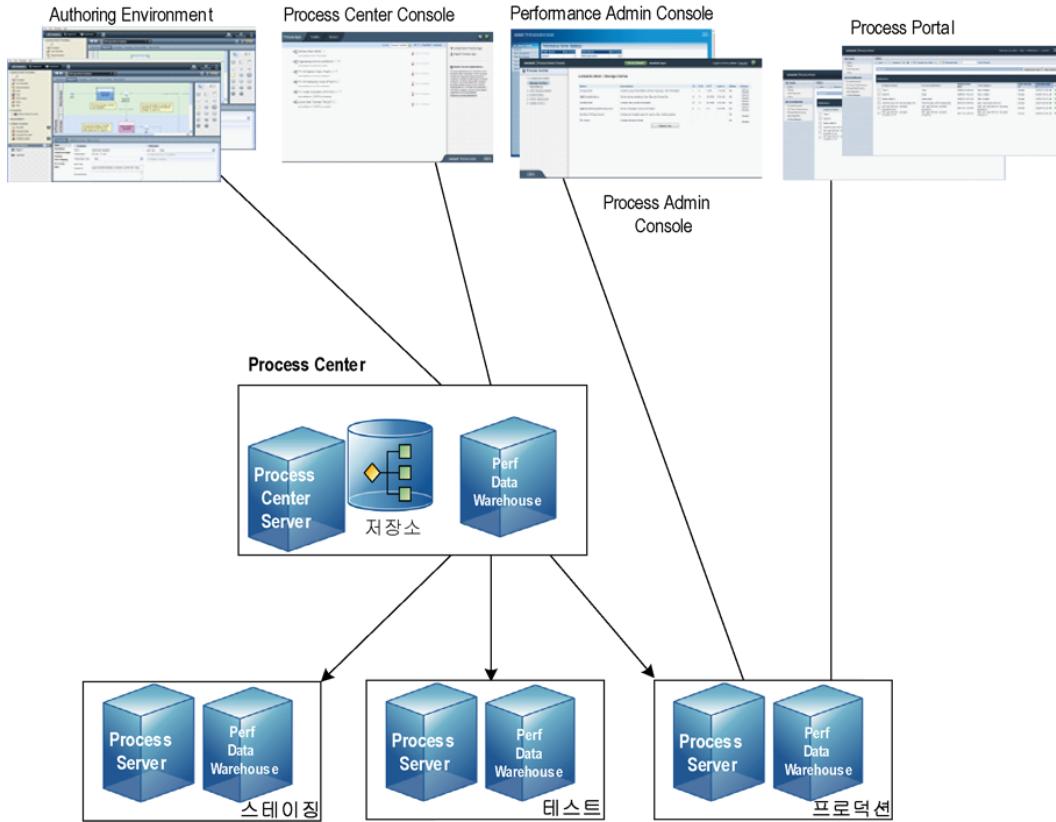
- Lombardi Authoring Environment   Process Center   .

- Lombardi Authoring Environment   (Process App)   ,
  Process Center   . Authoring Environment
              Process Center   .

- Process Center   Process Center Server   Performance Data Warehouse   Lombardi Authoring
  Environment   Process App
                              .

- Process Center Console   ,   Process App
                  Process Server   .

- Process Center Console   Process App
          .

- Process Portal   .   Process Center
  Server   Process Server   Process App   .

-
              , Process Portal   Process Center Server   Process Server
          .

- Lombardi Performance Data Warehouse   Process Server   Process Center Server
                  .   Lombardi Authoring Environment   Process Portal
              .

-       Process Admin Console   Performance Admin Console   Lombardi
.

Lombardi

Lombardi Process Center   Lombardi   WebSphere® Application
Server   7.0   .   Lombardi
                                                                   .

          Lombardi   .

, , .	Lombardi Authoring Environment(Windows®)	*Lombardi Authoring Environment*
( ).	Lombardi Process Center(Process Center Server Performance Data Warehouse)	*Lombardi Process Center*
Lombardi Process Center .	Lombardi Process Center	*Lombardi Process Center*
DB2 Express Lombardi Process Center .	Lombardi Lombardi Process Center (Windows)	*Lombardi Express*
, Lombardi ( ).	Lombardi (Process Server Performance Data Warehouse)	[Lombardi](#)
, Lombardi .	Lombardi	*Lombardi*

Lombardi

Lombardi

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 Server   Process
App   Snapshot   .   Process Center
                    . [Lombardi](#)   .

Lombardi

Lombardi   .

1.

1. .	[Lombardi](#)
2. .	
3. Lombardi Process Server Performance Data Warehouse .	[Lombardi](#)

2.

1.   .
 	
                              Lombardi
                    .	

2. Lombardi .	[Lombardi](#)

Lombardi

3.

Deployment Manager . Lombardi *Lombardi* .	
Toolkit, . Lombardi .	
Lombardi Process Server Lombardi Performance Data Warehouse . , WebSphere Lombardi Edition .	Lombardi
.	LDAP
.	Lombardi Lombardi
.	Lombardi

Lombardi   .

Lombardi

Lombardi   .

Unix   Lombardi   /tmp   . IATEMPDIR .

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

Lombardi	
	10GB

Lombardi   .

UNIX®	IBM® AIX® 5L 5.3
	
	IBM AIX 6.1(Power6)
	
	AIX 6.1 :
	
	Lombardi JVM pap6460sr6-20090925_01 .
	
	          1GB root
	/etc/security/limits fsize -1 .
	                    Lombardi .
	
	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)
	
	          Linux IBM Java SDK 6.0
	                    .
	
	Sun Solaris (Sparc) 10(64 Sparc)

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/software/data/db2/express/

Oracle	Oracle Enterprise 11*g* 1
	
	Oracle Standard 11*g* 1
	
	Oracle Enterprise 11*g* 2
	
	Oracle Standard 11*g* 2
	
	          Oracle XA
	                    .

	Oracle Enterprise 11*g* 2 July 2010 Critical Patch (1089044.1: http://www.oracle.com/technology/deploy/security/critical-patch-updates/cpujul2010.html
Microsoft SQL Server	Microsoft® SQL Server 2005 SP3(Windows®) Microsoft SQL Server 2008 R1 R2(Windows) SQL . SQL .
	Microsoft Internet Explorer 6, 7 8 Internet Explorer 8 . Mozilla Firefox 3

Lombardi WebSphere Application Server 7.0 .
Lombardi .

Lombardi

Lombardi Lombardi Process Server Lombardi
Performance Data Warehouse .
Lombardi .

Microsoft SQL Server

Lombardi SQL .

1. **SQL** .

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

.
.
.

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

ASCII   Process Server

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

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

Lombardi   2
              .   6

5.   >   >   .

6.   >   .   `db_owner`   .

7.   >   .   2
                                .   `lombardi`
          `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
             Oracle   .

1. Oracle Enterprise Manager   Lombardi Process Server   .

2. Process Server   . Lombardi   . (Lombardi
                 `lombardi`   .)

3. Process Server   DBA   .

4. Oracle Enterprise Manager   Lombardi Performance Data Warehouse
    .

5. Performance Data Warehouse   . Lombardi
                             . (Lombardi
                 `lombardi`   .)

6. Performance Data Warehouse   DBA   .

WebSphere Lombardi Edition   Oracle   ,   Unicode
                              .   WebSphere Lombardi Edition   AL32UTF8
      .

DB2

IBM DB2   .

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

- ·   8   .   `lombardi`
     `,lombardiusr`   Lombardi
          .

- ·   32KB   .

- ·   ,   ASCII
  Unicode(UTF-8   )   .

- ·   32KB   .

- ·   32KB   .

- ·   32KB   .

Lombardi   .

Lombardi
      .   .

Lombardi

Lombardi	Unix Lombardi	Lombardi
Lombardi	Lombardi Lombardi *Lombardi* .	*Lombardi*

Lombardi

Unix   Lombardi   Lombardi
                                    . Lombardi
                                                                         .

Lombardi   Lombardi
                                    . Unix   Lombardi   (
)   .

Lombardi
                                                          . ,   Lombardi
                        UNIX   Lombardi   .

1.   WebSphere Lombardi Edition   .

         Unix   .
                                    .

2.   ./[installer_name].bin   .

                                                                                                                10GB
                                                          .

3.   Lombardi
    Enter   .

                                                          .

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

                                                                                                back
                                                          .

         Ctrl+C   "   "
                                                          .
                                        ./tmp
                        .

                                                                Ctrl+C   ,
            QUIT   .

5.   Lombardi   .

                    Enter   .

6.   **Enter**   .

Lombardi

,	

Lombardi Process Server   Performance Data Warehouse
.

Performance Data Warehouse   Process Server   . Performance
Data Warehouse   Process Server   .

7.   Process Server   .

	Lombardi .
	.
HTTP	Lombardi .
	19086 .
SMTP	Lombardi SMTP
	.

8.   Y   **Enter**   .

Process Center   N   **Enter**   .
Lombardi   Process Center Console   ,
Process Server   Snapshot   .   Process Center
. Lombardi   .

Process Center   .

Process Center	Process Server Process Center
	.
Process Center HTTP	Process Server Process Center
	.

9.   .

Y **Enter** .	.
N **Enter** .	.

10.
.

Y **Enter** .	.
N **Enter** .	.

Lombardi
.

Lombardi

(Deployment Manager   )   .

11.   Lombardi   .

.

.

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

.

Enter   .

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

Lombardi

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

                                                                    Lombardi
            .

13.   Lombardi   **Enter**
        .

                                                                        .

                                                                                    Lombardi
                .

14.   .
            .

                                                                    .

Y	**Enter**	.	Lombardi .
			.
			Lombardi
			.
N	**Enter**	.	Lombardi .

        8
                                                            .
                .

                                                                        Lombardi
                .

15. Lombardi   .

        Lombardi   `installvariables.properties`
        `[Lombardi_home]/UninstallerData`   .   Lombardi
                .   .

16.   Lombardi   .

Y	**Enter**	.	Lombardi .
N	**Enter**	.	Lombardi
			. Lombardi .

Lombardi

.

.   .

Lombardi

.

Lombardi   Lombardi

.

Lombardi   [Lombardi_home]   .

Lombardi

Deployment Manager   .

Deployment Manager   .

1.   Lombardi   Deployment Manager   .

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

2.   Deployment Manager   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 Manager .
[DM_SOAP_connector_port]	(Deployment Manager) 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   .

Lombardi

     .   Lombardi

                                                  ,   Toolkit   Process App   Snapshot
     .

1.　　　　　　　　　　`[Lombardi_home]\twinit`　　　　　　　　　　　　.

2.　　　　　　　　　　　　　　　　.

　　`twinit.sh`

　　　　　　　　　　　　　　　.

　　　　　　　　　　　　　　　　　　　　　　　　　　`twinit\logs`
　　　　　　　　　　　　　.　　　　　　　　　　　　　　　　　　　　　　.

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

Lombardi

　　　　　　　Lombardi　　　　　　　　　　　　　　　　　　　　.

　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　.

　　　　　　　　WebSphere　　　　　　　　　1　　　　　.
　　　　　.　1　　　　.

Lombardi

　　　　Process Server　Performance Data Warehouse
　.

　　　　　　　　　　　　　　　　　　　　Lombardi　　Node Agent
　　　.

Process Server　Performance Data Warehouse　　　　　　　　　.

1.　　　　　　　　`[Lombardi_home]/bin`　　　　.

2.　`./startLombardi.sh`　　　.

Process Server　Performance Data Warehouse　　　　　　　　　.

1.　　　　　　　　`[Lombardi_home]/bin`　　　　.

2.　`./stopLombardi.sh`　　　.

　　　　　　　　　　　　　　　　　　　　　.

　　　.

`./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
     .   LDAP   .
WebSphere   LDAP   (: Microsoft Active Directory)
      .

1. WebSphere   tw_user   . tw_user   tw_user
      .

2.   >   .

3.
      .

4.   .

5.   .

6.   .   Microsoft Active
   Directory   .

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.   .

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

9.   .

10.   .

11.   Lombardi   .   . Lombardi   .

12.   Lombardi   .
             WebSphere Lombardi Edition   .

13.   Lombardi   .   . Lombardi   .

       .

Lombardi

IBM WebSphere Lombardi Edition   Lombardi
        .   Lombardi   WebSphere Application Server
        (: LDAP)   (LDAP   ).
Lombardi   .   Lombardi
             Lombardi
  .

       Lombardi   tw_admin   tw_admins   .
         Lombardi   .   Lombardi
     tw_admin   .

Lombardi   .   , Lombardi
             tw_admins, Lombardi
           Lombardi   .
                        .
          , Lombardi
  .

       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 . (: LDAP) Lombardi .	Process Admin Console	*Lombardi*
4. `http://[host_name]:[port]/ProcessCenter` Process Center Console . (tw_admin) (tw_admin) . Process App Toolkit . Lombardi tw_authors .	Process Center Console	*Authoring Environment* *Process Center*

Lombardi

Lombardi Process Admin Console
. `tw_admin`
.

.

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

Lombardi

        .
        .tw_admin   Lombardi
            .

- Lombardi

- Lombardi

Lombardi

1.   (tw_admin)   (tw_admin)   Process Admin Console
            Process Admin Console   tw_admin   .
        .   Lombardi   .

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"   .
                                    (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   .
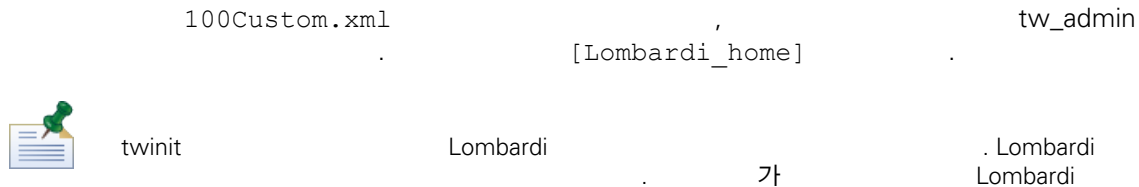
    <password>   merge="replace"   <password>
                . <password-encrypted>   true   .

```
<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

              `100Custom.xml`   ,   tw_admin
                              .   [Lombardi_home]   .

         twinit   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 .`<password-encrypted>` `true` .
twinit/resources/config/system/80EventManager.xml	event-manager .`<password-encrypted>` `true` .

              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
```

               .

```
taVCmTLTWWgkTvfvavu/7g==:sROM4ZbvqRDFYMobWXqvwg==
```

               `utility.jar`   `utility.jar`
              .

         `ClassNotFound`   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

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Lombardi

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

100Custom.xml
Lombardi   .
100Custom.xml   .

100Custom.xml   Lombardi   merge
   . merge   .

`"append"`	.
`"mergeChildren"`	. .
`"replace"`	.

100Custom.xml   99Local.xml   .

1. Lombardi Process Server   .   . Lombardi   .

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

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

3.   100Custom.xml   .

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

4. Lombardi Process Server   .   . Lombardi   .
              Lombardi   .

Lombardi

.bak   .

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.   .

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

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

Process Center

Lombardi   Process Server   Process Center   .   Lombardi
        Process Center Console   ,   Process Server
                Snapshot   .   Process Center
                      . Lombardi   .

            Process Server   Process Center   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>fZN75qYgnZll0MCV80AAhA--</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>`
    `[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 . Process Center .
repository-server-password	Process Server . Lombardi tw_runtime_server .
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 . Process App Snapshot .
	                    Process Server .
	Lombardi tw_author .
	                                             Process
	Server tw_authors
	      .

repository-server-designated-password	Lombardi Authoring Environment Inspector BPD
	                    Process Server
	      . Lombardi tw_author
	      .

repository-server-designated-password-encrypted	.

repository-server-interval	Process Server 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

              .   ,

           . Lombardi   4   (,   ,

)   Process Server

     .

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`   `merge`   .
>   Lombardi   .

5.   `100Custom.xml`   .

```
<properties>
    <common merge="mergeChildren">
        <environment-type merge="replace">STAGING</environment-type>
    </common>
</properties>
```

6.   .

7.   Lombardi Process Server   .   . Lombardi   ).

UCA(Undercover Agent)　　　　　　　　(BPD)
　　　　　　.　　　　　　BPD,　　　　　　UCA
`[Lombardi_home]/process-server/config/100Custom.xml`
`[Lombardi_home]/process-server/config/system/80EventManager.xml`
　　　　　　.

　　　　　　.

Lombardi　　　　　　　　　　　　　　　　　　. Lombardi

　　　　　　　　　　　　　　`tw_admin`　　　　　.
　Lombardi Process Portal　　　　　　　　　　　　.

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

　　　　　　.

1. `[Lombardi_home]/process-server/config/100Custom.xml`
　　　　　　　　　<common>　　　　.

```
<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`   .

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Lombardi
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