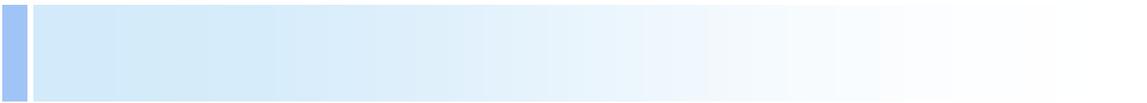


•	.....	3
	.....	4
	.....	4
	.....	5
•	.....	7
	.....	8
	.....	8
	.....	11
•	.....	13
	.....	14
	.....	16
	.....	24
	.....	31
Windows	.....	33
	.....	37
•	.....	39
cachemngr.properties	.....	40
clientlist.xml	.....	43
databind.properties	.....	47
db.properties	.....	48
dbtmpl.properties	.....	53
log.properties	.....	55

monitor.properties	67
ozserver.properties	74
repository.properties	76
sap.properties	79
spmgr.properties	82
srmngr.properties	86
uslmngr.properties	87
xml.properties	88
. Shell Command	91





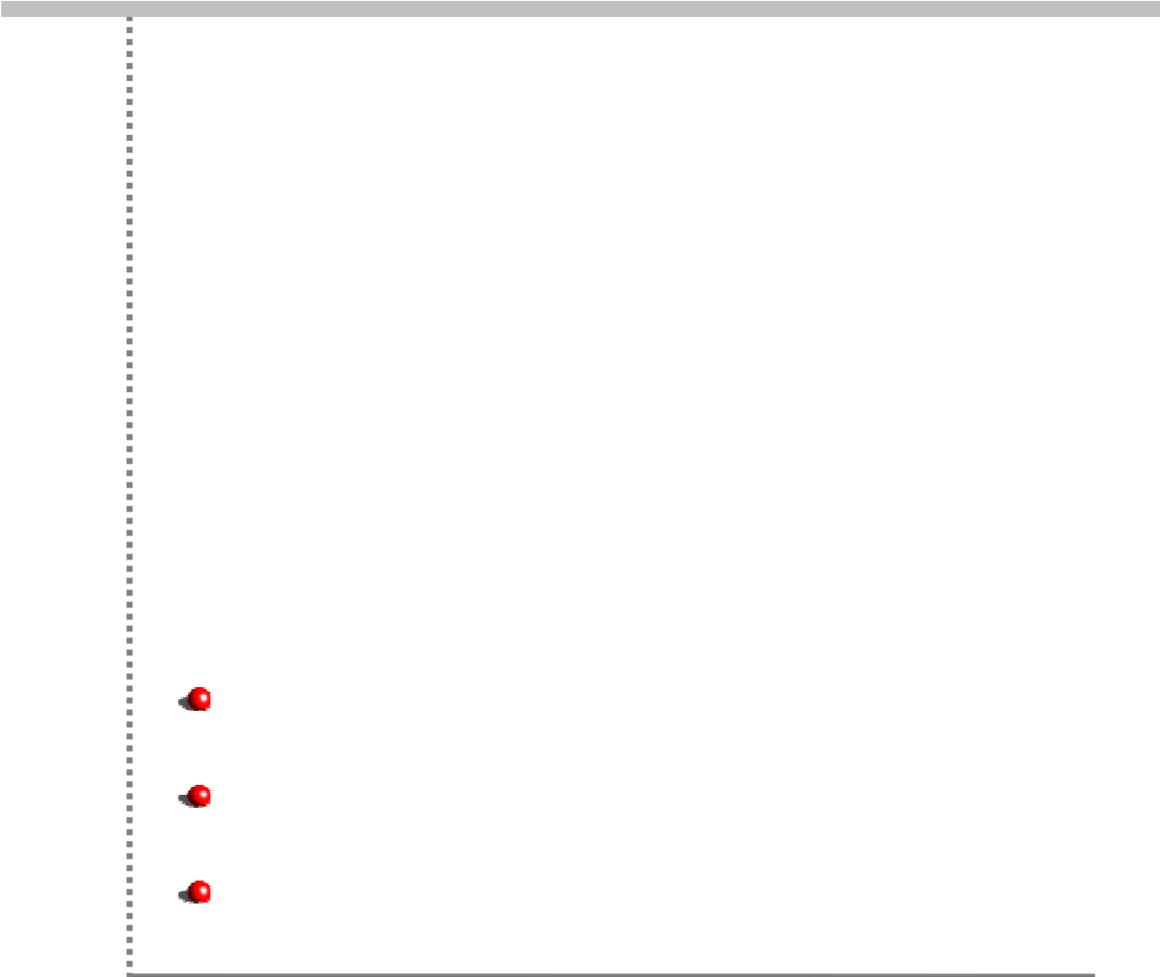
Shell Command

Shell Command



가

Manual	Description
Getting Started	
가	
	가
	가
WAS	
API	API, UDS, USL, API API(Application Program Interface)
가	





- JAVA/XML
- JDBC/ODBC 가
- JVM (Java Virtual Machine)
- WAS

■

■ one-point

-
-

-

- DB Pooling, , , , /

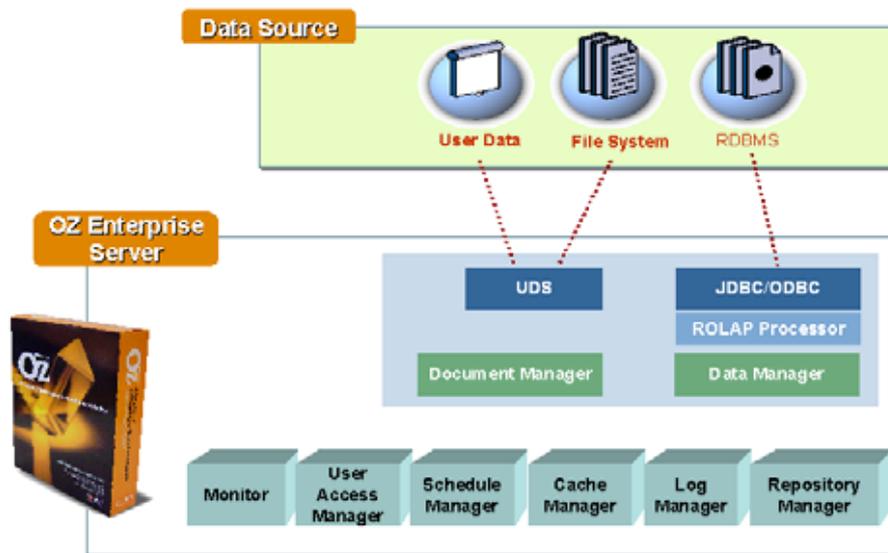
- 가
(Concurrent Mode) ,

- CGI Non-DB
UDS(User Data Store) .
: UDS(User Data Store)
JDBC ODBC Non-DB
UDS(User Data Store) . UDS
XML, EJB, Legacy Data



■

가 가



UDS	UDS	Non-database Source
JDBC/ODBC	JDBC/ODBC	
Document Manager		
Data Manager		
Monitor		
User Access Manager	/	
Schedule Manager	가	
Cache Manager		
Log Manager	Unix Syslog	NT Event
Repository Manager		



Windows

JRE(Java Runtime Environment) 1.1.X

(Windows NT/2000, Linux, HP-UX, Solaris, AIX, Unixware, Mainframe)

Web Server

Web Server

(Microsoft IIS(Internet Information Server), Apache, NCSE, CERN, Netscape Enterprise Server)

Web Application Server

(WebLogic, WebSphere, Oracle iAS(Internet Application Server), Fujitsu Interstage, NEC WebOTX J2EE WAS)

DBMS

Oracle, Informix, Sybase, MS-SQL Server, DB2 ODBC/JDBC

DBMS

- **JRE**
 - JRE 1.1.X
 - JDBC 1.0 BLOB, CLOB Type , XML-DTD Store
 - JRE 1.2 JDBC . JDBC 1.0
 - , 가 JDBC 1.0 .
 - JRE 1.2. ~ JRE 1.3.X
 - , 1.1.X JDBC .
 - JDBC 2.0 , 가 JDBC 2.0 .
 - JRE 1.4
 - JRE 1.4 API(URL Type, Update Methods) . JRE 1.4

가 JDBC , 가 JDBC
JDBC 3.0 , JDBC 2.0

License

```
ozlicense.xml
[License]
IP , 가 License License ,
가 License IP
```

ozcntrl.bat / ozcntrl.sh

```
ozcntrl.bat/ozcntrl.sh JRE
Windows JVM
, UNIX ozcntrl.sh JRE Path
:
"MAX_MEMORY/MIN_MEMORY" JVM /
JAVA_OPTION
JAVA_OPTION
```

■ ozcntrl.bat

```
@echo off
rem -----
rem
rem OZ Contorl (OZA SHELL)
rem
rem
rem This script file written and tested under Windows 2000
rem
rem User should set following variables:
rem
rem JAVA_HOME - Determines the version of Java used to start
rem OZ Server. This variable must point to the
```

```

rem          root directory of a JDK or JRE installation.
rem          for an up-to-date list of supported JVMs your platform.
rem USER_CLASSPATH - Use this variable to append jar files or directories to
rem                  the OZLIB.
rem MAX_MEMORY      - Maximum memory used by OZ Server. (The unit is mega-byte.)
rem MIN_MEMORY      - Minimum memory used by OZ Server. (The unit is mega-byte.)
rem
rem -----
rem -----
rem   Set user-defined variables
rem -----

set JAVA_HOME=.. \.. \JRE
set MAX_MEMORY=256
set MIN_MEMORY=128
set JAVA_OPTION=

set OZSERVER_HOME=.
set USER_CLASSPATH=%OZSERVER_HOME%\uds\
set OZLIBALL=%OZSERVER_HOME%\lib
set OZJLIBALL=%OZSERVER_HOME%\UniversalDriver

rem -----
rem       OZ Main Class
rem -----
set OZLIB=%OZLIBALL%\ozsfw35.jar; %OZSERVER_HOME%\conf\
set OZLIB=%OZLIB%; %OZLIBALL%\ozusl.jar

rem -----
rem       for Servlet
rem -----
set OZLIB=%OZLIB%; %OZLIBALL%\servlet.jar

rem -----
rem       HTTPS/SSL Module
rem -----
set OZLIB=%OZLIB%; %OZLIBALL%\jcert.jar
set OZLIB=%OZLIB%; %OZLIBALL%\jnet.jar
set OZLIB=%OZLIB%; %OZLIBALL%\jsse.jar

rem -----
rem       Library for Logging
rem -----

```

```
set OZLIB=%OZLIB%;%OZLIBALL%\log4j.jar

rem -----
rem      Library for XML
rem -----
set OZLIB=%OZLIB%;%OZLIBALL%\parser.jar
set OZLIB=%OZLIB%;%OZLIBALL%\xerces.jar
set OZLIB=%OZLIB%;%OZLIBALL%\crimson.jar

rem -----
rem      Library for XML Store
rem -----
set OZLIB=%OZLIB%;%OZLIBALL%\dtdparser12.jar

rem -----
rem      Repository File System DB
rem -----
set OZLIB=%OZLIB%;%OZLIBALL%\hsqldb.jar

rem -----
rem      USL Jar for USL
rem -----
set OZLIB=%OZLIB%;%OZLIBALL%\OZUSLServerSession.jar
set OZLIB=%OZLIB%;%OZLIBALL%\OZUSLServerDES128.jar

rem -----
rem      JDBC Driver for Oracle
rem -----
set OZLIB=%OZLIB%;%OZLIBALL%\classes12.zip

rem -----
rem      JDBC Driver for Mysql (3.0.14)
rem -----
set OZLIB=%OZLIB%;%OZLIBALL%\mysql.jar

rem If your version of oracle is 7 and
rem its character set is DBCS,
rem then delete 'rem' of next line
rem set OZLIB=%OZLIB%;%OZLIBALL%\ijava.jar

rem -----
rem      JDBC Driver for Informix
rem -----
set OZLIB=%OZLIB%;%OZLIBALL%\ifjdbc.jar
```

```

rem -----
rem   JDBC Driver for Sybase
rem -----
set OZLIB=%OZLIB%; %OZJLIBALL%\jconn2.jar

rem -----
rem   JDBC Driver for MSSQL
rem -----
rem set OZLIB=%OZLIB%; %OZJLIBALL%\jdbc2.jar
set OZLIB=%OZLIB%; %OZJLIBALL%\msbase.jar
set OZLIB=%OZLIB%; %OZJLIBALL%\msutil.jar
set OZLIB=%OZLIB%; %OZJLIBALL%\mssqlserver.jar

rem -----
rem   JDBC Driver for IBM DB2
rem -----
set OZLIB=%OZLIB%; %OZJLIBALL%\db2java.zip
set OZLIB=%OZLIB%; %OZJLIBALL%\db2jcc.jar
set OZLIB=%OZLIB%; %OZJLIBALL%\db2jcc_i icense_cisuz.jar
set OZLIB=%OZLIB%; %OZJLIBALL%\db2jcc_i icense_cu.jar

rem -----
rem   JDBC Driver for Uni -SQL
rem -----
set OZLIB=%OZLIB%; %OZJLIBALL%\unisqljdbc10.jar

rem -----
rem   USER_CLASSPATH
rem -----
set OZLIB=%OZLIB%; %USER_CLASSPATH%

set JAVA_OPTION=

if not "%1" == "-start" goto notStart
set JAVA_OPTION= %JAVA_OPTION% -Xms%MIN_MEMORY%m -Xmx%MAX_MEMORY%m
: notStart

%JAVA_HOME%\bin\java          %JAVA_OPTION%          -cp          %OZLIB%
oz.admin.shell.server.OZAShell %1 %2 %3 %4 %5 %6 %7 %8 %9

```

■ **ozcntrl.sh**

```

#!/bin/sh
#-----

```

```
#
#       OZ Control
#
# This script file written and tested under HP-UX
#
# User should set following variables:
#
# JAVA_HOME       - Determines the version of Java used to start
#                   OZ Server. This variable must point to the
#                   root directory of a JDK or JRE installation.
#                   for an up-to-date list of supported JVMs your platform.
# USER_CLASSPATH - Use this variable to append jar files or directories to
#                   the OZLIB.
# MAX_MEMORY      - Maximum memory used by OZ Server. (The unit is mega-byte.)
# MIN_MEMORY      - Minimum memory used by OZ Server. (The unit is mega-byte.)
# JAVA_OPTIONS    - On some platforms, certain java command-line options are
#                   recommended when running OZ Server.
#
#-----
# -----
#   Set user-defined variables
# -----
#
JAVA_HOME=../jre
USER_CLASSPATH=
MAX_MEMORY=256
MIN_MEMORY=128
JAVA_OPTION=-hotspot

OZSERVER_HOME=..
OZLIB=.: $OZSERVER_HOME/conf
OZLIB=$OZLIB: $OZSERVER_HOME/lib/ozsfw35.jar

# -----
#       for User Data Set classes
# -----
OZLIB=$OZLIB: $OZSERVER_HOME/lib/ozusl.jar
OZLIB=$OZLIB: $OZSERVER_HOME/lib/hsqldb.jar
OZLIB=$OZLIB: $OZSERVER_HOME/lib/servlet.jar

# -----
#       for User Data Set classes
# -----
```

```

OZLIB=$OZLIB:$OZSERVER_HOME/uds

# -----
#       Library for Logging
# -----
OZLIB=$OZLIB:$OZSERVER_HOME/lib/log4j.jar

# -----
#       Library for XML
# -----
#OZLIB=$OZLIB:$OZSERVER_HOME/lib/jaxp.jar
OZLIB=$OZLIB:$OZSERVER_HOME/lib/parser.jar
OZLIB=$OZLIB:$OZSERVER_HOME/lib/crimson.jar
OZLIB=$OZLIB:$OZSERVER_HOME/lib/xerces.jar

# -----
#       USL Jar for USL
# -----
OZLIB=$OZLIB:$OZSERVER_HOME/lib/OZUSLServerSession.jar
OZLIB=$OZLIB:$OZSERVER_HOME/lib/OZUSLServerDES128.jar

# -----
#       JDBC Driver for MSSQL
# -----
#OZLIB=$OZLIB:$OZSERVER_HOME/lib/jjdbc.jar
OZLIB=$OZLIB:$OZSERVER_HOME/UniversalDriver/msbase.jar
OZLIB=$OZLIB:$OZSERVER_HOME/UniversalDriver/msutil.jar
OZLIB=$OZLIB:$OZSERVER_HOME/UniversalDriver/mssqlserver.jar

# -----
#       JDBC Driver for Oracle
# -----
OZLIB=$OZLIB:$OZSERVER_HOME/UniversalDriver/classes12.zip

# If your version of oracle is 7 and
# its character set is KOREAN(KSC5601),
# then delete '#' of next line
# OZLIB=$OZLIB:$OZSERVER_HOME/UniversalDriver/ijava.jar

# -----
#       JDBC Driver for Informix
# -----
OZLIB=$OZLIB:$OZSERVER_HOME/UniversalDriver/ifixjdbc.jar

```

```
# -----
#   JDBC Driver for Sybase
# -----
OZLIB=$OZLIB:$OZSERVER_HOME/UniversalDriver/jconn2.jar

# -----
#   JDBC Driver for IBM DB2
# -----
OZLIB=$OZLIB:$OZSERVER_HOME/UniversalDriver/db2java.zip

# -----
#   JDBC Driver for Uni-SQL
# -----
OZLIB=$OZLIB:$OZSERVER_HOME/UniversalDriver/unisqljdbc10.jar

# -----
#   HTTPS/SSL Module
# -----
OZLIB=$OZLIB:$OZSERVER_HOME/lib/jcert.jar
OZLIB=$OZLIB:$OZSERVER_HOME/lib/jnet.jar
OZLIB=$OZLIB:$OZSERVER_HOME/lib/jsse.jar

# -----
#   USER CLASSPATH
# -----
if [ "$USER_CLASSPATH" != "" ]; then
    OZLIB=$OZLIB:$USER_CLASSPATH
fi

if [ "$1" != "-start" ]; then
    JAVA_OPTION=
else
    JAVA_OPTION="$JAVA_OPTION -ms$MIN_MEMORY"m
    JAVA_OPTION="$JAVA_OPTION -mx$MAX_MEMORY"m
fi

echo ""
echo $OZLIB
echo ""

$JAVA_HOME/bin/java          $JAVA_OPTION          -classpath          $OZLIB
oz.admin.shell.server.OZAShell $1 $2 $3 $4 $5 $6 $7 $8 $9
```

ozcntrl	가	"	가
"	.		
ozcntrl.bat/ozcntrl.sh		가	가
.	ozcntrl.bat/ozcntrl.sh		"
Shell Command"		.	

UNIX Windows

가 . Windows

가

JRE

SUN JRE 1.3.1

bin	chk_version.bat	(.bat)	(.sh)
	chk_version.sh		
	InstallService.bat	NT	
	ozcntrl.bat	(.bat)	(.sh)
	ozcntrl.sh		
	ozencrypted.bat	ID	
	OZServer.ini	NT Service	
	OZService.exe		
	ozservice_create.bat		
	ozstart.bat	(.bat)	(.sh)
	ozstart.sh		
	ozstop.bat	(.bat)	(.sh)
	ozstop.sh		
	Profile.exe		
	server.ico		
	Service.bat		
ServiceManager.exe	NT		

cache_dm		
conf	cachemngr.properties	
	clientlist.xml	(MAC Address, IP Address, HDD Serial)
	databind.properties	
	db.properties	DB
	dbtpl.properties	DBMS JDBC
	log.properties	
	monitor.properties	Monitor
	ozserver.properties	
	repository.properties	
	sap.properties	SAP
	spmgr.properties	
	srmngr.properties	
	uslmngr.properties	(, PKI)
	xml.properties	XML
conf/ sample	db.properties.datasource	db.properties DBMS
	db.properties.db2	
	db.properties.informix	
	db.properties.mssql	
	db.properties.odbc	
	db.properties.oracle	
	db.properties.sybase	
	db.properties.unisql	
	db.properties.user	
	repository.properties.odbc	repository.properties DBMS
	repository.properties.oracle	
expand	OZMBAServer.dll	ASP
lib	crimson.jar	XML

	dtdparser120.jar	XML
	hsqldb.jar	Builtin
	jcrt.jar	J2EE (HTTP/SSL) JRE 1.3.X
	jnet.jar	
	jsse.jar	
	log4j.jar	
	NTEventLogAppender.dll	Windows NT DLL
	ozsfw35.jar	
	OZUSLServerDES128.jar	USL
	OZUSLServerSession.jar	
	parser.jar	XML
	servlet.jar	USL J2EE
	xerces.jar	XML Xerces
license	ozlicense.xml	
logs	monitor.log	Monitor
	server.log	
repository_files	db_file.data	Builtin
	db_file.properties	
	db_file.script	
	query.log	Builtin
scheduled_data		
UniversalDriver	classes12.jar	Oracle 8i, 9i JDBC Driver
	classes12.zip	
	db2java.jar	IBM DB2 JDBC Driver
	db2java.zip	
	db2jcc.jar	IBM DB2 JDBC Type 8 (DB2 8)
	db2jcc_license_cisuz.jar	

	db2jcc_license_cu.jar	
	ifxjdbc.jar	Infomix JDBC Driver
	ijava.jar	Oracle 7i JDBC Driver
	jconn2.jar	Sybase ASE JDBC Driver
	jkjdbc.jar	MSSQL 97 JDBC
	jt400.jar	IBM JT400 JDBC
	msbase.jar	MSSQL 2000 JDBC
	mssqlserver.jar	
	msutil.jar	
	mysql.jar	Mysql JDBC
	unisqljdbc10.jar	UniSQL JDBC
	unsqljdbc205.zip	

: JDBC

"UniversalDriver"

JDBC

RDB JDBC

RDB JDBC

bin	chk_version.bat	(.bat)	(.sh)
	chk_version.sh		
	ozcntrl.bat	(.bat)	(.sh)
	ozcntrl.sh		
	ozencrypted.bat	ID	

	user.cif	None
cache	가	
cache_dm		
conf	cachemngr.properties	
	clientlist.xml	(MAC Address, IP Address, HDD Serial)
	databind.properties	
	db.properties	DB
	dbtpl.properties	DBMS JDBC
	log.properties	
	monitor.properties	Monitor
	repository.properties	
	sap.properties	SAP
	spmgr.properties	
	srmngr.properties	
	uslmngr.properties	(, PKI)
	xml.properties	XML
conf/ sample	db.properties.datasource	db.properties DBMS
	db.properties.db2	
	db.properties.informix	
	db.properties.mssql	
	db.properties.odbc	
	db.properties.oracle	
	db.properties.sybase	
	db.properties.unisql	
	db.properties.user	
	repository.properties.odbc	repository.properties
	repository.properties.oracle	DBMS
license	ozlicense.xml	
logs	monitor.log	Monitor
	server.log	

repository_files	db_file.data	Builtin
	db_file.properties	
	db_file.script	
	query.log	Builtin
SilverStream	servlet.java	SilverStream (WAS)
	servlet.xml	
UniversalDriver	classes12.jar	Oracle 8i, 9i JDBC Driver
	classes12.zip	
	db2java.jar	IBM DB2 JDBC Driver
	db2java.zip	
	db2jcc.jar	IBM DB2 JDBC Type 8 (DB2 8)
	db2jcc_license_cisuz.jar	
	db2jcc_license_cu.jar	
	ifxjdbc.jar	Infomix JDBC Driver
	ijava.jar	Oracle 7i JDBC Driver
	jconn2.jar	Sybase ASE JDBC Driver
	jkjdbc.jar	MSSQL 97 JDBC
	jt400.jar	IBM JT400 JDBC
	msbase.jar	MSSQL 2000 JDBC
	mssqlserver.jar	
	msutil.jar	
	mysql.jar	Mysql JDBC
unisqljdbc10.jar	UniSQL JDBC	
unsqljdbc205.zip		
WEB-INF	web.xml	URL
WEB_INF/ classes	HelloWorld.class	
	ozserver.properties	
WEB_INF/ lib	crimson.jar	XML
	dtdparser120.jar	XML

	hsqldb.jar	Builtin
	jcrt.jar	J2EE (HTTP/SSL) JRE 1.3.X
	jnet.jar	
	jsse.jar	
	log4j.jar	
	NTEventLogAppender.dll	Windows NT DLL
	ozsfw35.jar	
	OZUSLServerDES128.jar	USL
	OZUSLServerSession.jar	
	parser.jar	XML
	servlet.jar	USL J2EE
	xerces.jar	XML Xerces

: JDBC
 "UniversalDriver"
 JDBC , RDB JDBC
 RDB JDBC



Windows	[bin]	ozstart.bat
		ozstop.bat
UNIX	[bin]	ozstart.sh
		ozstop.sh

ozstart.bat / ozstart.sh

ozstart.bat	ozstart.sh	Windows	UNIX
		ozcntrl.bat	ozcntrl.sh

■ ozstart.bat

```
@echo off
rem -----
rem
rem          OZ Server Start-up File
rem
rem This batch file written and tested under Windows 2000
rem check your path indicate <JAVA_HOME>\bin
rem
rem -----
ozcntrl.bat -start %1
```

■ ozstart.sh

```
# -----
#
#          OZ Server Start-up File
#
# This batch file written and tested under UNIX(HP-UX) System
# check your path indicate <JAVA_HOME>/bin
```

```
#  
# -----  
  
./ozcntrl.sh -start
```

Windows

Windows

/ Windows



- JAVA

CLASSPATH가

```
{
    } \bin\ozservice_create.bat
```

OZServer.ini

```
{
    } \bin\InstallService.bat
    } \bin\UninstallService.bat
```

- OZServer.ini

```
[JAVA]
BIN=.. \.. \JRE\bin\java.exe
OPTION=-Xms128m -Xmx256m -cp
ARGS=oz.admin.shell.server.OZShell -start
PATH=C:\Program Files\FORCS\OZ XStudio\OZServer\bin

[CLASS]
.. \lib\ozsfw35.jar; .. \conf\; .. \lib\servlet.jar; .. \lib\jcert.jar; .. \lib\
jnet.jar; .. \lib\jse.jar; .. \lib\log4j.jar; .. \lib\parser.jar; .. \lib\exerc
es.jar; .. \lib\crimson.jar; .. \lib\dtparser12.jar; .. \lib\OZUSLServerSess
ion.jar; .. \lib\OZUSLServerDES128.jar; .. \lib\hsqldb.jar; .. \UniversalDri
ver\classes12.zip; .. \UniversalDriver\mysql.jar; .. \UniversalDriver\fxjdb
c.jar; .. \UniversalDriver\jconn2.jar; .. \UniversalDriver\msbase.jar; .. \Un
iversalDriver\msutil.jar; .. \UniversalDriver\mssqlserver.jar; .. \Univer
salDriver\db2j ava.zip; .. \UniversalDriver\db2j cc.jar; .. \UniversalDriver\db
2j cc_li cense_ci suz.jar; .. \UniversalDriver\db2j cc_li cense_cu.jar; .. \Uni
versalDriver\unijdbc10.jar; .. \uds\
```

- InstallService.bat

```
@echo off

rem -----
rem
rem -----
rem
rem -----
rem %1 - ( 가 )
rem %2 -
rem - OZ OZService.exe
rem -----
rem
rem -----
rem ServiceManager.exe %1 /i %2 %1
ServiceManager.exe OZServer /i " C:\Program Files\FORCS\OZ
XStudio\OZServer\bin\OZService.exe" OZServer

rem -----
rem
rem -----
rem
rem -----
rem InstallService OZServer D:/OZSource/NTService/OZService.exe
rem -----
rem
```

- UninstallService.bat

```
@echo off

rem -----
rem
rem -----
rem
rem -----
rem %1 - ( 가 )
rem -----
rem
rem -----
rem ServiceManager.exe %1 /u
ServiceManager.exe OZServer /u

rem -----
rem
```

```
rem
rem -----
rem
rem Uninstall Service OZServer
rem -----
rem
rem -----
```

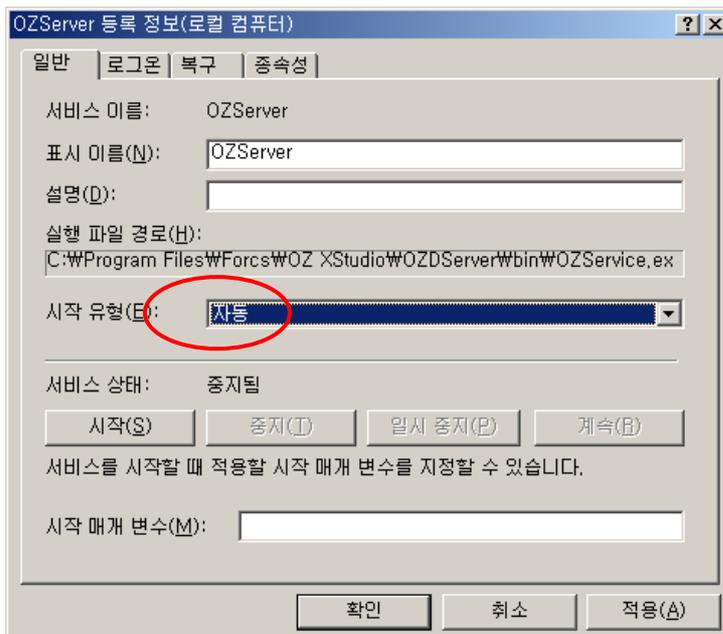
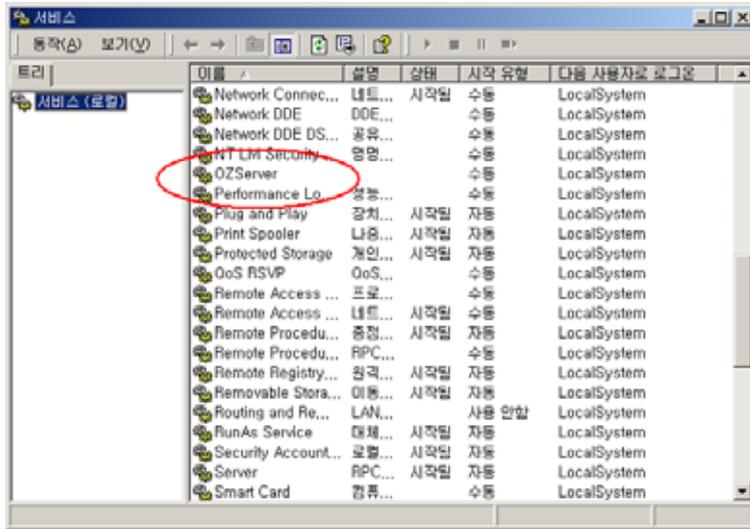
```
-
{
    } \conf\ozserver.properties
path.oz.server.home
.
```

```
■
{
    } \bin\InstallService.bat
    } \bin\UninstallService.bat
OZService.exe
.
```

```
■
{
    } \bin\InstallService.bat
.
```

```
■
{
    } \bin\UninstallService.bat
.
```

```
■
[ ] - [ ] - [ ] 가 가
OZServer
[ ]
.
```



OZServer

[

]

: NT

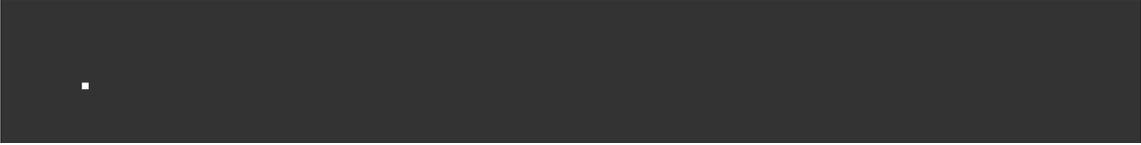
. (log 가)

NT

ozstart.bat



WAS
" WAS
WAS
- WAS
" WAS
WAS

- 
-
- **cachemngr.properties**
 - **clientlist.xml**
 - **databind.properties**
 - **db.properties**
 - **dbtmpl.properties**
 - **log.properties**
 - **monitor.properties**
 - **ozserver.properties**
 - **repository.properties**
 - **sap.properties**
 - **spmgr.properties**
 - **srmngr.properties**
 - **uslmngr.properties**
-

cachemngr.properties

- Daemon/Servlet

{OZ_HOME}\conf\cachemngr.propeties

가

cachemngr.properties

```
###
###   Configurai on of Cache Manager
###   Last Modi fi ed : Tue Jul 29 13: 31: 39 GMT+09: 00 2003
###
CACHE_FI LE_PATH = %OZ_HOME%/cache/
CACHE_DM_FI LE_PATH = %OZ_HOME%/dm_cache/

reposit ory. acti ve=true
reposit ory. memoryCacheVal i dTi me=1200
reposit ory. di skCacheVal i dTi me=0
reposit ory. freeMemoryPercentage=0

datamodul e. report. acti ve=true
datamodul e. report. memoryCacheVal i dTi me=1200
datamodul e. report. di skCacheVal i dTi me=0
```

```
datamodule.report.freeMemoryPercentage=0
datamodule.application.active=true
datamodule.application.memoryCacheValidTime=1200
datamodule.application.diskCacheValidTime=0
datamodule.application.freeMemoryPercentage=0
```

■ **cachemngr.properties**

CACHE_FILE_PATH	
CACHE_DM_FILE_PATH	
/ .active	'true/false' 가
/ /.memoryCacheValidTime	
/ /.freeMemoryPercentage	
/ /.diskCacheValidTime	(:)

cachemngr.properties

- "/" /"

- Repository

•

repository.active = true

- (가 '/sales/car')

repository.[/sales/car].active = true

- ('dept1.ozr')

repository.[/sales/car].[dept1.ozr].active = true

- Data Module

가

ODI

, ODI '[]'

-

	datamodule.report.active = true
	datamodule.application.active = true

-

(가 '/sales/car')

	datamodule.report.[/sales/car].active = true
	datamodule.application.[/sales/car].active = true

-

('dept1.odi')

	datamodule.report.[/sales/car].[dept1.odi].active = true
	datamodule.application.[/sales/car].[dept1.odi].active = true

-

('Code'

'A001')

	datamodule.report.[/sales/car].[dept1.odi].[Code=A001].active = true
	datamodule.application.[/sales/car].[dept1.odi].[Code=A001].active = true

clientlist.xml

- **Daemon/Servlet**

{OZ_HOME}\conf\clientlist.xml

OZA, OZR

Mac Address, IP Address, HDD Serial

: clientlist.xml

clientlist.xml

```
<ClientList use='true' >

  <!-- Client 1 -->
  <Client checkAll='true' >
    <MACAddress checkAll='true' >
      <Item>00-34-25-f1-61-45</Item>
      <Item>00-14-85-f1-68-22</Item>
    </MACAddress>
    <IPAddress checkAll='true' >
      <Item>127.0.0.1</Item>
      <Item>127.0.0.2</Item>
    </IPAddress>
    <HDDSerial checkAll='true' >
      <Item>S07HJ1LL200778</Item>
      <Item>L623471</Item>
    </HDDSerial >
  </Client>

  <!-- Client 2 -->
```

```

<Client checkAll='true' >
    ...
</Client>
</ClientList>
    
```

■ clientlist.xml

ClientList	(MAC Address, IP Address, HDD Serial)		
	use	true	
		false	()
Client	MAC Address, IP Address, HDD Serial		
	checkAll	true	MAC Address, IP Address, HDD Serial
		false	()
MACAddress	MAC Address가 MAC Address		
	checkAll	true	MAC Address가 MAC Address
		false	()
IPAddress	IP Address가 IP Address		
	checkAll	true	IP Address가 IP Address
		false	()

HDDSerial	HDD Serial		HDD Serial	
	checkAll	true	HDD Serial Serial	HDD
		false	HDD Serial Serial ()	HDD

- , "HDDSerial" "HddSerial"
- clientlist.xml

clientlist.xml

```

<ClientList use=' true' >
  <Client checkAll=' true' >
    <MACAddress checkAll=' false' >
      <Item>00-34-25-f1-61-45</Item>
      <Item>00-14-85-f1-68-22</Item>
    </MACAddress>
    <IPAddress checkAll=' false' >
      <Item>127.0.0.1</Item>
      <Item>127.0.0.2</Item>
    </IPAddress>
    <HDDSerial checkAll=' false' >
      <Item>S07HJ1LL200778</Item>
      <Item>L623471</Item>
    </HDDSerial >
  </Client>

  <Client checkAll=' false' >
    <MACAddress checkAll=' false' >
      <Item>00-0f-ea-fy-9a-6a</Item>
    </MACAddress>
    <IPAddress checkAll=' true' >
      <Item>127.0.0.3</Item>
  </Client>
  
```

```
        <Item>127.0.0.4</Item>
    </IPAddress>
    <HDDSerial checkAll='false' >
        <Item>SOAFJ10Y7064418</Item>
        <Item>5JT3G3KT</Item>
    </HDDSerial >
</Client>
</ClientList>
```

databind.properties

- **Daemon/Servlet**

{OZ_HOME}\conf\databind.properties

databind.properties

```
# unit : byte, default : 4096 byte, min : 256 byte
ConcurrentFetchSize=256

# unit : count, default : 0
ConcurrentFirstRow=0
```

- **databind.properties**

ConcurrentFetchSize	FetchType "Concurrent" Stream byte, 4096, 256 :
ConcurrentFirstRow	FetchType "Concurrent" 0 : 0

db.properties

- **Daemon/Servlet**

{OZ_HOME}\conf\db.properties

가

DB Connection Pool

aliasname.fieldname = value

- **aliasname**

가

- **fieldname**

- **db.properties**

vendor	DBMS (odbc, oracle, informix, sybase, ms-sql)
driver	JDBC
url	JDBC URL
props	JDBC connection property String (User/Password)
dsn	ODBC

serverAddress	가
portNo	
sid	Oracle SID
serverName	
dbName	
user	
password	
maxconns	가 가 DB Connection
initconns	DB Connection
timeout	Maxconns Connection (:)
sessionQuery	monitor log session id 가 "monitor.properties"
doConnectionCheck	true ConnectionPool connection 가 test query 가 connection
testQueryString	doConnectionCheck=true

DBMS db.properties

- Oracle

```

oracl e_examp l e. vendor=oracl e
oracl e_examp l e. serverAddress=127. 0. 0. 1
oracl e_examp l e. portNo=1521
oracl e_examp l e. si d=ORCL
oracl e_examp l e. user=oz
oracl e_examp l e. password=oz
oracl e_examp l e. maxconns=20
oracl e_examp l e. i ni tconns=5
oracl e_examp l e. ti meout=5
    
```

■ **Informix**

```
informix_example.vendor=informix
informix_example.serverAddress=127.0.0.1
informix_example.portNo=1526
informix_example.serverName=OZServer
informix_example.dbName=sysutils
informix_example.user=informix
informix_example.password=informix
informix_example.maxconns=20
informix_example.iniconns=5
informix_example.timeout=5
```

■ **MS-SQL**

```
mssql_example.vendor=mssql
mssql_example.serverAddress=127.0.0.1
mssql_example.portNo=1433
mssql_example.dbName=newintra
mssql_example.user=sa
mssql_example.password=
mssql_example.maxconns=20
mssql_example.iniconns=5
mssql_example.timeout=5
```

■ **ODBC**

```
odbc_example.vendor=odbc
odbc_example.dsn=odbc_example
odbc_example.user=
odbc_example.password=
odbc_example.maxconns=5
odbc_example.iniconns=2
odbc_example.timeout=5
```

: NT ODBC DNS ODBC
DNS .

■ **db2**

```
db2_example.vendor=db2
db2_example.serverAddress=127.0.0.1
db2_example.portNo=1344
db2_example.dbName=db2
db2_example.user=db2admin
db2_example.maxconns=20
```

```
db2_examp1.e.ini tconns=5  
db2_examp1.e.timeout=5
```

■ sybase

```
Sybase_examp1.e.vendor=sybase  
Sybase_examp1.e.serverAddress=127.0.0.1  
Sybase_examp1.e.dbName=master  
Sybase_examp1.e.portNo=2343  
Sybase_examp1.e.user=sa  
Sybase_examp1.e.password=sybase  
Sybase_examp1.e.maxconns=20  
Sybase_examp1.e.ini tconns=5  
Sybase_examp1.e.timeout=5
```

■ unisql

```
uni sql _examp1.e.vendor=uni sql  
uni sql _examp1.e.serverAddress=127.0.0.1  
uni sql _examp1.e.dbName=demodb  
uni sql _examp1.e.portNo=44300  
uni sql _examp1.e.user=  
uni sql _examp1.e.password=  
uni sql _examp1.e.maxconns=20  
uni sql _examp1.e.ini tconns=5  
uni sql _examp1.e.timeout=5
```

■ User Custom DBMS

```
user_examp1.e1.vendor=user  
user_examp1.e1.dri ver=org.gjt.mm.mysql.dri ver  
user_examp1.e1.url=jdbc:mysql://ip/test  
user_examp1.e1.props=user=oz; password=oz  
user_examp1.e1.user=oz  
user_examp1.e1.maxconns=20  
user_examp1.e1.ini tconns=5  
user_examp1.e1.timeout=5
```

■ Data Source JNDI

```
ds_examp1.e.vendor=oracl e  
ds_examp1.e.serverAddress=127.0.0.1  
ds_examp1.e.portNo=1521  
ds_examp1.e.si d=forcs815  
ds_examp1.e.user=scott  
ds_examp1.e.password=ti ger
```

```
ds_examp l e. maxconns=5
ds_examp l e. i n i tconns=0
ds_examp l e. t i meout=5

#
# Set JDBC Driver using JNDI .
# com. forcs. jdbc. JNDI JDBC Dri ver i s provi ded by FORCS
# i n order to use DataSource.
#
ds_examp l e. dri ver=com. forcs. jdbc. JNDI JDBC Dri ver

#
# URL Nami ng Rule
# forcs: <j ndi _context_factory_name>: <user>: <password>: <j ndi _source_name>
# forcs: <j ndi _context_factory_name>: <j ndi _source_name>
#

# DataSource of WebLogi c
ds_examp l e. url =forcs: webl ogi c. j ndi . WLI ni ti al ContextFactory: <DataSource Name>

# DataSource of WebSphere
ds_examp l e. url =forcs: com. i bm. websphere. nami ng. Wsni ni ti al ContextFactory: <DataSou
rce Name>

# DataSource of Jeus
ds_examp l e. url =forcs: jeus. j ndi . JEUSContextFactory: <DataSource Name>

# DataSource of i Planet
# Notice : DataSource Name i nclude "jdbc/" i n case of i Planet
#       ex) jdbc/ecfcDS
ds_examp l e. url =forcs: com. netscape. server. j ndi . RootContextFactory: : <DataSource
Name>

# DataSource of JRUN
ds_examp l e. url =forcs: j run. nami ng. JRunContextFactory: <DataSource Name>
```

dbtimpl.properties

- **Daemon/Servlet**

{OZ_HOME}\conf\dbtimpl.properties

DBMS

JDBC

dbtimpl.properties

```
#-----
# Configuration of JDBC driver Class
#-----
# Last Modified : Fri Jan 14 16:56:23 GMT+09:00 2005

db2.driver      = COM.ibm.db2.jdbc.net.DB2Driver
informix.driver = com.informix.jdbc.IfxDriver
mssql.driver    = com.microsoft.jdbc.sqlserver.SQLServerDriver
odbc.driver     = sun.jdbc.odbc.JdbcOdbcDriver
oracle.driver   = oracle.jdbc.driver.OracleDriver
sybase.driver   = com.sybase.jdbc2.jdbc.SybDriver
unsql.driver    = unsql.jdbc.driver.UniSQLDriver
```

- **dbtimpl.properties**

db2.driver	COM.ibm.db2.jdbc.net.DB2Driver	db2java.zip
informix.driver	com.informix.jdbc.IfxDriver	ifxjdbc.jar
mssql.driver	com.microsoft.jdbc.sqlserver.SQLServerDriver	mssqlserver.jar

odbc.driver	sun.jdbc.odbc.JdbcOdbcDriver	rt.jar
oracle.driver	oracle.jdbc.driver.OracleDriver	classes12.zip
sybase.driver	com.sybase.jdbc2.jdbc.SybDriver	jconn2.jar
unisql.driver	unisql.jdbc.driver.UniSQLDriver	unisqljdbc10.jar

log.properties

■ Daemon/Servlet

{OZ_HOME}\conf\log.properties

```

log                                     , 'LOG4OZ' 'LOG4J'
, log                                     CONSOLE( ), FILE, NT Event, UNIX Syslog
'LOG4OZ' "BUILTIN_LOGGING_CONSOLE", "BUILTIN_LOGGING_FILE" 가
, 'LOG4J' "Set Prioritylog Level", "Appender CONSOLE",
"Appender ROLLING_FILE", "Appender NT Event", "Appender syslog" 가
HTTP
    
```

log.properties

```

#-----
# configuration of OZ logging system (LOG4OZ)
#-----
#
#USE_BUILTIN_LOGGING_ENGINE=true
#BUILTIN_LOGGING_CONSOLE=true
#BUILTIN_LOGGING_CONSOLE.CharSet=
#BUILTIN_LOGGING_FILE=true
#BUILTIN_LOGGING_FILE.TYPE=RollingFile
# ----
#-----
#BUILTIN_LOGGING_FILE.TYPE=DailyRollingFile
#BUILTIN_LOGGING_FILE.DatePattern=yyyy-MM-dd
# -----
#-----
#BUILTIN_LOGGING_FILE.CharSet=
    
```

```
#BUILTING_LOGGING_FILE.LOCATION=%OZ_HOME%/logs/server_oz.log
#BUILTING_LOGGING_FILE.APPEND=true
#BUILTING_LOGGING_FILE.MaxBackupIndex=5
#BUILTING_LOGGING_FILE.MaxFileSize=1MB
#BUILTING_LOGGING_FILE.ImmediateFlush=true

#-----
# configuration of OZ logging system (LOG4J)
#-----
#
# Set Priority log level
#
# DEBUG, INFO, WARN, ERROR
Priority=DEBUG
#
# appender CONSOLE
# Console
#
CONSOLE.Type=Stdout
CONSOLE.Layout=%r [%t] %p %C{1} %x - %m%n
CONSOLE.Async=false
#
# appender ROLLING_FILE
# File
#           MaxFileSize
#           가           가
#
#           MaxBackupIndex
#
# Layout :
# Append :
# ImmediateFlush :   가
#           false
#
# CharSet :
#

ROLLING_FILE.Type=RollingFile
ROLLING_FILE.Layout=%d{ISO8601} [%t] %-5p %C{1} %x - %m%n
ROLLING_FILE.File=%OZ_HOME%/logs/server.log
# ----
# ----
# ROLLING_FILE.Type=DailyRollingFile //
```

```
# ROLLING_FILE.DatePattern=yyyy-MM-dd
# -----
-----
ROLLING_FILE.Append=true
ROLLING_FILE.MaxBackupIndex=5
ROLLING_FILE.MaxFileSize=1MB
ROLLING_FILE.ImmediateFlush=true
#
# appender NT Event
# NT
#
#NT_EVENT.Type=NTEvent
#NT_EVENT.Layout=%r %p %c{1} - %m%n
#NT_EVENT.Threshold=ERROR
#
# appender syslog
# Unix syslog
#
#SYSLOG.Type=Syslog
#SYSLOG.Layout=[OZ] %r %p %c{1} - %m
#SYSLOG.Threshold=ERROR
#SYSLOG.SyslogHost=127.0.0.1
#SYSLOG.Facility=USER
#SYSLOG.FacilityPriority=false

# -----
# configuration of HTTPStore Logging
# -----
#HTTPSTORE_LOG_FILE=MANUAL (AUTO/MANUAL/NONE)
# HTTPSTORE_LOG_FILE.LOCATION=%OZ_HOME%/logs (Directory Name)

# -----
-----
# Instance ( )
# -----
-----
#MultiInstance=false
#WASName=
#WASVersion=
```

■ LOG4OZ

USE_BUILTIN_LOGGING_	LOG4OZ

ENGINE	true	LOG4OZ
	false	LOG4OZ, LOG4J
BUILTIN_LOGGING_CONSOLE	Console	
	true	Console
	false	Console
BUILTIN_LOGGING_CONSOLE.CharSet	Console (IBM 'CP500')	
BUILTIN_LOGGING_FILE	'BUILTIN_LOGGING_FILE.LOCATION'	
BUILTIN_LOGGING_FILE.TYPE	Rolling	
	RollingFile	ex) server.log, server.log.1, server.log.2, ... ()
	DailyRollingFile	(DatePattern)
BUILTIN_LOGGING_FILE.CharSet	(IBM 'CP500')	
BUILTIN_LOGGING_FILE.DatePattern	"DatePattern"	
BUILTIN_LOGGING_FILE.LOCATION		
BUILTIN_LOGGING_FILE.APPEND	가	가
BUILTIN_LOGGING_FILE.MaxBackupIndex	Backup 가	가
BUILTIN_LOGGING_FILE.MaxFileSize		
BUILTIN_LOGGING_FILE.ImmediateFlush		

■ LOG4J

Set Prioritylog level	priority	log Level		
		ERROR	log level log	
		WARN	"ERROR" level log log	
		INFO	"ERROR" level log log	
		DEBUG	"ERROR", "INFO" level log log	
appender CONSOLE	CONSOLE.Type	Appender , 'stdout'		
	CONSOLE.Layo ut	"Log Layout"		
	CONSOLE.Asyn c	true	()	
		false		
appender ROLLING_ FILE	ROLLING_FILE. Type	Rolling File		
		RollingFile	ex) server.log, server.log.1, server.log.2, ...	
		DailyRolling File	(DatePattern)	
	ROLLING_FILE. DatePattern	[DatePattern]		
	ROLLING_FILE. Layout	Log Layout" "Log		

	ROLLING_FILE.File	Log
	ROLLING_FILE.Append	Log가 가
		true 가
	ROLLING_FILE.MaxBackupIndex	Backup 가 가
	ROLLING_FILE.MaxFileSize	
	ROLLING_FILE.ImmediateFlush	
apender NT Event	NT_Event.Type	Log NT Event "NTEvent" : Log Windows NT Event Lib NTEventLog Appender.dll WINNT\SYSTEM32
	NT_Event.Layout	"Log Layout"
	NT_Event.Threshold	Prioritylog level(ERROR/INFO/DEBUG) Prioritylog level
apender syslog	SYSLOG.Type	Unix Syslog 'Syslog'
	SYSLOG.Layout	"Log Layout"
	SYSLOG.Threshold	Priorityloy level(ERROR/INFO/DEBUG) Syslog Prioritylog level
	SYSLOG.Syslog Host	Syslog Unix IP

	SYSLOG.Facility	Syslog 가	
		'KERN', 'USER', 'MAIL', 'DAEMON', 'AUTH', 'SYSLOG', 'LPR', 'NEWS', 'UUCP', 'CRON', 'AUTHPRIV', 'FTP', 'LOCAL1', 'LOCAL2', 'LOCAL3', 'LOCAL4', 'LOCAL5', 'LOCAL6', 'LOCAL7'	
	SYSLOG.FacilityPrinting	log Message Facility 가	
		true	가
false	가		

■ HTTP

HTTP HTTP 가 가 ODI , ODI 가 HTTP

HTTPSTORE_LOG_FILE	HTTP		
	MANUAL	HTTP .()	
	AUTO	HTTP	
	NONE	HTTP	
HTTPSTORE_LOG_FILE.LOCATION	가 '%OZ_HOME%/logs'		

-
- HTTP

- HTTP
 HTTP
 HTTP
- 'HTTPSTORE_LOG_FILE=AUTO'
 HTTP
 'OZ_HTTPSTATEMENT.LOG.#' '#'
 1 가

■ DatePattern

Pattern	Rollover schedule	
yyyy-MM		6 12 server.log server.log.2005-06 server.log
yyyy-ww	()	가 , 1 12 server.log server.log.2005-01 server.log
yyyy-MM-dd	()	7 1 server.log server.log.2005-07-01 server.log
yyyy-MM-dd-HH		7 1 10 server.log server.log.2005-07-01-09 server.log

log4j Pattern

Pattern	
yyyy-MM	가 1 ~59 (log4j)

yyyy-ww	<p style="text-align: right;">가 1 ~59</p> <p>(log4j)</p> <p>12 1 가</p> <p>(jdk :</p> <p>http://bugs.sun.com/bugdatabase/view_bug.do?bug_id=4808661)</p> <p>2006.12.31 2006-53 or 2007-01</p> <p>2006-01</p>
	<p>DatePattern</p> <p>DatePattern = yyyy-MM-dd</p> <p>2005.01.17 2005.01.18</p> <p>server.log.2005-01-17</p> <p>2005.01.19 17 18</p> <p>server.log.2005-01-18</p> <p>DatePattern</p>

■ Log Layout

Character	
c	<p>OZServer module category name</p> <p>Category name %c{2}</p> <p>)</p> <p>%c → oz.server.servlet</p> <p>%c{1} → servlet</p> <p>%c{2} → server.servlet</p>

d	<p>가 log4j (ABSOLUTE, DATE, ISO8601)</p> <p>)</p> <p>[%d{dd MM yyyy HH:mm:ss,SSS}] [18 04 2001 18:39:29,777] main INFO ozserver - OZServer ...</p> <p>)</p> <p>[%d{ISO8601}] [2001-04-18 18:39:29,777]main INFO ozserver - OZServer ...</p>
m	<p>log message OZServer event</p> <p>event</p> <p>)</p> <p>%d{ISO8601} [%t] %-5p %c{1} %x-%m → 2002-08-16 09:56:23,203[Handler 1] INFO MessageHandler</p>
n	<p>C "\n" . New Line log</p>
p	<p>message log level (INFO, DEBUG, ERROR)</p> <p>%p -5 5</p> <p>)</p> <p>%d{ISO8601} [%t] %-5p %c{1} %x-%m → 2002-08-16 09:56:23,203[Handler 1] INFO MessageHandler</p>
r	<p>가 millisecond</p> <p>event</p> <p>ex)</p> <p>[%r]</p> <p>→ [2994] main INFO oz.server - OZServer...</p>
t	<p>Thread event</p> <p>ex)</p> <p>[%t]</p> <p>→ 59485 [Thread-2] INFO oz.server - Received a message</p>
%	%

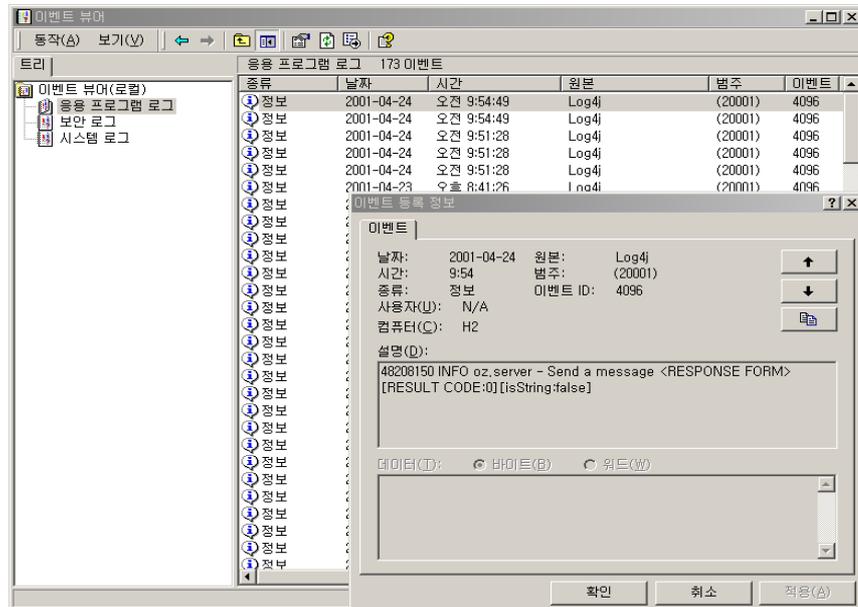
■ Log Date Format

Symbol			
G	Era designator	Text	AD

y	Year	Number	2001
M	Month	Text & Number	May & 05
d	Day	Number	05
h	Hour in am/pm (1~12)	Number	12
H	Hour in day (0~23)	Number	0
m	Minute	Number	30
s	Second	Number	55
S	Millisecond	Number	978
E	Day in week	Text	Tuesday
D	Day in year	Number	189
F	Day of week in month	Number	2 (2nd)
w	Week in year	Number	27
W	Week in month	Number	2
a	Am/pm marker	Text	PM
k	Hour in day (1~24)	Number	24
K	Hour in am/pm (0~11)	Number	0
z	Time zone	Text	Pacific Standard Time
'	Escape for text	Delimiter	
"	Single quote sign	Literal	'

- "yyyy.MM.dd G 'at' hh:mm:ss z" → 2001.04.24 AD at 18:25:30 PDT
- "EEE, MMM d, 'yy" → Wed, July 10, '96
- "h:mm a" → 12:08 PM

- NT Event 가



■ Instance

MultInstance	Instance true Instance false ex) MultInstance=true
WASName	가 WAS ex) WASName=WebLogic
WASVersion	가 WAS ex) WASVersion=7.1

: Instance
, WAS WebLogic7.x, WebLogic8.x 가

monitor.properties

- **Daemon/Servlet**

{OZ_HOME}\conf\monitor.properties

monitor.properties

```
#-----
# configuration of OZ Transaction Monitor Log
#-----
#
# OZ 3.5
#
#
#
# Whether log or not
#
MONITOR.Active=true
MONITOR.File=%OZ_HOME%\logs\monitor.log
MONITOR.MaxBackupIndex=5
MONITOR.MaxFileSize=1MB
MONITOR.ImmediateFlush=true
```

- **monitor.properties**

Active	
File	

MaxBackupIndex	Backup 가
MaxFileSize	
ImmediateFlush	

■

CSV

MARK/THR_ID/TIME/F_MEM/T_MEM/S_CODE/S_STATUS/S_PARAMS/C_IP/DB_SS/E_TIME

MARK		start, end
THR_ID	ID	(int)
TIME		1970 1 1 0 Millisecond (long), (int)
F_MEM	가	: byte
T_MEM	JVM	: byte
S_CODE	" "	(int)
S_STATUS		: 9001 : 9002
S_PARAMS		
C_IP	IP	
DB_SS	DBMS ID	
E_TIME		1970 1 1 0 Millisecond (long), (int)

- sessionQuery

session Id 가 DB db.properties

<alias>.sessionQuery ID .

session ID가 . sessionQuery .

```
alias.sessionQuery = "[DB Query]"
```

```
<informix>
```

```
SELECT DBINFO("\sessionid") FROM SysTables WHERE TabID = 1
```

```
<mssql>
```

```
select @@spid
```

```
<oracle>
```

```
SELECT sid FROM V$SESSION WHERE audsid = userenv('sessionid')
```

```
<sybase>
```

```
select @@spid
```

-

가

```
// Repository
```

```
CREATE USER = 100;
```

```
DELETE USER = 101;
```

```
CHECK USER PWD = 102;
```

```
UPDATE USER PWD = 103;
```

```
DISABLE USER LOGIN = 104;
```

```
ENABLE USER LOGIN = 105;
```

```
ISENABLE USER LOGIN = 106;
```

```
UPDATE USER DESCRIPTION = 107;
```

```
GET USER DESCRIPTION = 108;
```

```
GET GROUPID USER = 109;
```

```
GET USERID NAME = 110;
```

```
UPDATE GROUPID USER = 111;
```

```
GET USER LIST = 112;
```

```
CREATE GROUP = 113;
```

```
DELETE GROUP = 114;
```

```
UPDATE USER GROUPADMIN = 115;
```

```
IS USER GROUPADMIN = 116;
```

```
UPDATE UPPER GROUPID = 117;
```

```
GET USER LIST GROUP = 118;
```

```
GET GROUP LIST GROUP = 119;
```

```
CREATE ITEM = 120;
DELETE ITEM = 121;
GET ITEM = 122;
GET CATEGORYID ITEM = 123;
GET GROUPI D ITEM = 124;
UPDATE CATEGORYID ITEM = 125;
UPDATE GROUPI D ITEM = 126;
GET ITEM LIST = 127;
CREATE CATEGORY = 128;
DELETE CATEGORY = 129;
UPDATE UPPER CATEGORYID = 130;
GET ITEM LIST CATEGORY = 131;
GET CATEGORY LI ST CATEGORY = 132;
UPDATE ITEM USER AUTH = 133;
UPDATE ITEM GROUP AUTH = 134;
GET USER AUTH ITEM = 135 ;
GET GROU AUTH ITEM = 136;
GET ITEM LIST AUTH USER = 137;
GET ITEM LIST AUTH GROUP = 138;
GET USER LI ST AUTH ITEM = 139;
GET GROUP LI ST AUTH ITEM = 140;
GET ITEMID = 141;
GET ITEM DATAINFO = 142;
UPDATE USERNAME =143;
UPDATE GROUPNAME = 144;
UPDATE ITEMNAME = 145;
GET ITEMPATH = 146;
GET DIRECTI TEM = 147;
UPDATE CATEGORY USERAUTH = 148;
UPDATE CATEGORY GROU PAUTH =149;
GET USERAUTH CATEGORY = 150;
GET GROU PAUTH CATEGORY = 151;
GET CATEGORYLI ST USERAUTH = 152;
GET CATEGORYLI ST GROU PAUTH = 153;
GET USERLI ST AUTH CATEGORY = 154;
GET GROUPLI ST AUTH CATEGORY = 155;
UPDATE LOGI NDEFAULT = 156;

UPDATE CATEGORYNAME = 157;
CREATE I TEMI NDEX = 158;
DELETE I TEMI NDEX = 159;
GET I TEMI NDEX LI ST = 160;
FI NDE I TEM I TEMI NDEX = 161;
```

```

UPDATE ITEM FILE = 162;
CHECK OUT ITEM = 163;
CHECK IN ITEM = 164;
ROLLBACK ITEM = 165;
UNDO CHECK OUT ITEM = 166;
GET ITEM BYVERSION = 167;
GET HISTORY LIST = 168;
CLEAR HISTORY = 169;
CHECK OUT USER = 170;

GET CATEGORYINFO = 171;
GET ITEMINFO = 172;
GET USERNAME BYID = 173;
HAS SPECIFIC ITEM = 174;

GET ITEMCOUNT IN CATEGORY = 175;
LOGIN TO SERVER = 176;
LOGIN TO SERVER FROM SCHEDULER = 177;
GET ODI LIST = 178;
GET CATEGORYID = 179;
GET ITEMID WITH PATH = 180;
UPDATE DIRECT ITEM FILE = 181;
GET USERINFO = 182;
UPDATE ITEM DESCRIPTION = 183;
GET GROUPINFO = 184;
CREATE CATEGORY WITH PATH = 185;
CREATE ITEM WITH NAME = 186;
GET DIRECT ITEMS = 187;
LOGIN USER = 188;
LOGOUT USER= 189;
ISLOGIN USER = 190;
GET ITEMLIST WITH PERMISSION USER = 191;
GET CATEGORYLIST WITH PERMISSION USER = 192;
GET ITEMLIST WITH PERMISSION GROUP = 193;
GET CATEGORYLIST WITH PERMISSION GROUP = 194;
GET CATEGORYLIST OVER VIEW IN ROOT = 195;
GET DIRECT ITEM COMPRESSED = 196;
GET ITEM LIST CATEGORY NAME = 197;
GET ITEMLIST WITH PERMISSION USER CNAME = 198;
GET ITEMLIST WITH PERMISSION GROUP CNAME = 199;

// Datamodule
GET DATAMODULE = 380;
GET DEFAULT PARAMETER = 381;

```

```
GET USDM = 382;
GET APPLICATION DM = 383;

// Connection Pool API
GET POOL INFO = 400;
GET POOL STATUS LIST = 401;
GET POOL INFO LIST = 402;
ADD POOL = 403 ;
REMOVE POOL = 404 ;
SAVE = 405 ;

// Log API
GET CONFIG = 406 ;
CONFIGURE PROPERTY = 407 ;
CONFIGURE STRING = 408 ;
GET FILE APPENDER FILE = 409 ;
SET PRIORITY = 410 ;

// Server Info API
GET VERSIONS = 411;
GARBAGE COLLECT = 412;
GET MEMORYINFO = 413;
GET HANDLER COUNT = 414;
GET MEMORY STATUS = 415;
GET CUMULATED COUNT = 416;
GET CUMULATED TIMER = 417;
GET DYNAMIC INFORMATION = 418;
DOWN MONITOR LOG = 419;

// Cache API
GET CACHE CONFIG = 420;
SET CACHE CONFIG = 421;
LOGAGENT TEST = 422;
GET REALTIME LOG = 423;
GET REALTIME MONITOR LOG = 424;
DELETE CACHE DATA = 1100;

// STOP
SERVER STOP = 500;
SERVER RESTART = 501;

// Application DataModule
GET DATAMODULE APP = 520;
```

```
// Scheduler      API
  GET SCHEDULED RESULT LIST = 600 ;
  REMOVE SCHEDULED RESULT = 601 ;
  REMOVE SCHEDULED RESULT LIST = 602 ;
  SET USDM = 603;

// Repository      API
  GET REPOSITORY CONFIG = 700;
  SET REPOSITORY CONFIG = 701;
  RELOAD REPOSITORY = 702;

// DM Version 가
  GET DM VERSION = 800;

// USL 가
  GET USL = 900;
  USE USL = 901;
```

ozserver.properties

- **Daemon**
{OZ_HOME}\conf\ozserver.properties
- **Servlet**
{OZ_HOME}\WEB-INF\classes\ozserver.properties

가

ozserver.properties

```
#-----  
# Main configuration of ozserver/ozservlet  
#-----  
  
server.portnumber=8003  
path.oz.server.home=../  
  
path.license.file=%OZ_HOME%/license/ozlicense.xml  
path.xml.properties.file=%OZ_HOME%/conf/xml.properties  
path.log.properties.file=%OZ_HOME%/conf/log.properties  
path.securitypolicy.properties.file=%OZ_HOME%/conf/spmgr.properties  
path.connpool.properties.file=%OZ_HOME%/conf/db.properties  
path.cache.properties.file=%OZ_HOME%/conf/cachemngr.properties  
path.monitor.properties.file=%OZ_HOME%/conf/monitor.properties  
path.repository.properties.file=%OZ_HOME%/conf/repository.properties  
path.usl.properties.file=%OZ_HOME%/conf/uslmngr.properties  
path.schedule.properties.file=%OZ_HOME%/conf/srmngr.properties
```

```
path.dbinfotemplate.properties.file=%OZ_HOME%/conf/dbtmpl.properties
path.sapcli ent.properties.file=%OZ_HOME%/conf/sap.properties
path.cl ienti nfo.properties.file=%OZ_HOME%/conf/cl ientl i st.xml
```

ozserver.properties (Servlet Type Server)

```
#-----
# Main configuration of ozserver/ozservlet
#-----

path.oz.server.home=%OZ_RUNNING_PATH%

path.license.file=%OZ_HOME%/license/ozlicense.xml
path.xml.properties.file=%OZ_HOME%/conf/xml.properties
path.log.properties.file=%OZ_HOME%/conf/log.properties
path.securitypolicy.properties.file=%OZ_HOME%/conf/spmgr.properties
path.connpool.properties.file=%OZ_HOME%/conf/db.properties
path.cache.properties.file=%OZ_HOME%/conf/cachemngr.properties
path.monitor.properties.file=%OZ_HOME%/conf/monitor.properties
path.repository.properties.file=%OZ_HOME%/conf/repository.properties
path.usl.properties.file=%OZ_HOME%/conf/uslmngr.properties
path.schedule.properties.file=%OZ_HOME%/conf/srmngr.properties
path.dbinfotemplate.properties.file=%OZ_HOME%/conf/dbtmpl.properties
path.sapcli ent.properties.file=%OZ_HOME%/conf/sap.properties
path.databi nd.properties.file=%OZ_HOME%/conf/databi nd.properties
path.cl ienti nfo.properties.file=%OZ_HOME%/conf/cl ientl i st.xml
```

- :

 - **%OZ_HOME%**

%OZ_HOME%

ozserver.properties path.oz.server.home 가

- **%OZ_RUNNING_PATH%**

%OZ_RUNNING_PATH%

"

"%OZ_RUNNING_PATH%" 가

bin "%OZ_RUNNING_PATH%/.."

■ ozserver.properties

server.portnumber	가 TCP/IP . (:8003)
path.oz.server.home	/ 가) . (
path.license.file	.
path.xml.properties.file	xml.properties .
path.log.properties.file	log.properties .
path.securitypolicy.properties.file	spmgr.properties .
path.connpool.properties.file	db.properties .
path.cache.properties.file	cachemngr.properties .
path.monitor.properties.file	monitor.properties .
path.repository.properties.file	repository.properties .
path.usl.properties.file	uslmngr.properties .
path.schedule.properties.file	srmngr.properties .
path.dbinfotemplate.properties.file	dbtmpl.properties .
path.sapclient.properties.file	sap.properties .

repository.properties

■ Daemon/Servlet

{OZ_HOME}\conf\repository.properties

Repository

'{OZ_HOME}\repository_files'

repository.properties

```
###
### Repository Properties
### Last Modified : Wed Oct 15 13:29:05 KST 2003
###
# RDB, BUILTIN, NONE
REPOSITORY_TYPE = RDB
REPOSITORY_FILE_PATH = %OZ_HOME%/repository_files/

#Backup History for None Type
#REPOSITORY_NONE_BACKUP=false
#REPOSITORY_NONE_BACKUP_PATH=%OZ_HOME%/repository_files_bak/
#REPOSITORY_NONE_BACKUP_ITEM_COUNT=10
#REPOSITORY_NONE_BACKUP_ITEM_VALID_DAYS=0

#Item file save number per a directory
#Default value is 500
#The value must be larger than 0
REPOSITORY_ITEM_NUMBER_PER_DIRECTORY = 500

#History item's valid days ( The history item over the value of day is deleted, when
check in the item )
```

```
#Default value is 30
#The 0 value is disable.
REPOSITORY_HISTORY_ITEM_VALID_DAYS = 10

REPOSITORY_QUERY_MAXBACKUPINDEX = 5
REPOSITORY_QUERY_MAXFILESIZE = 1M
REPOSITORY_QUERY_IMMEDIATEFLUSH = true
#
# DB alias in /conf/db.properties to use repository
#
# note: ignored if REPOSITORY_TYPE is BUILTIN
#
REPOSITORY_DB_ALIAS = mssql_test3
#
# note: ignored if REPOSITORY_TYPE is BUILTIN and RDB
```

■ repository.properties

TYPE	RDB	가 DB
	BUILTIN	DB (Hypersonic SQL DB)
	NONE	
FILE_PATH		
REPOSITORY_NONE_BACKUP	None	Backup
REPOSITORY_NONE_BACKUP_PATH	None	Backup
REPOSITORY_NONE_BACKUP_ITEM_COUNT	None	Backup
REPOSITORY_NONE_BACKUP_ITEM_VALID_DAYS	None	Backup
ITEM_NUMBER_PER_DIRECTORY		
HISTORY_ITEM_VALID_DAYS	가	

QUERY_MAXBACKUPINDEX	BUILTIN DB
QUERY_MAXFILESIZE	BUILTIN DB
QUERY_IMMEDIATEFLUSH	BUILTIN DB 'true'
DB_ALIAS	db.properties Repository Alias가 DB

REPOSITORY_TYPE 'NONE'

- 가 , 'admin'/'guest'
- Check-In /Check-Out ,
- Roll-back
- OS가 Windows

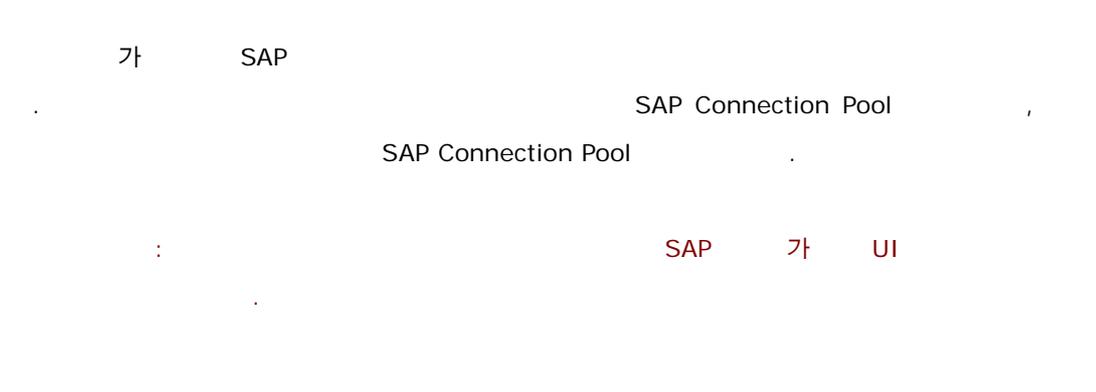
REPOSITORY_TYPE 'RDB'

- db.properties 'vender=User' RDB
User
- RDB가 MS-SQL , MS-SQL ()

sap.properties

■ Daemon/Servlet

{OZ_HOME}\conf\sap.properties



sap.properties

```
###
###   Configurai on of SAP Connecti on Manager
###

### TYPE1
#<al i as>. cl i ent=
#<al i as>. user=
#<al i as>. password=
#<al i as>. l anguage=
#<al i as>. host=
#<al i as>. sysno=

### TYPE2
#<al i as>. cl i ent=
#<al i as>. user=
```

```

#<al i as>. password=
#<al i as>. l anguage=
#<al i as>. host=
#<al i as>. r3name=
#<al i as>. group=

### TYPE3
#<al i as>. cl i ent=
#<al i as>. user=
#<al i as>. password=
#<al i as>. l anguage=
#<al i as>. host=
#<al i as>. sysno=
#<al i as>. gw host=
#<al i as>. gwserv=

### TYPE4
#<al i as>. gw host=
#<al i as>. gwserv=
#<al i as>. tpname=

### TYPE5
#<al i as>. gw host
#<al i as>. gwserv
#<al i as>. tpname
#<al i as>. tphost
    
```

■ **sap.properties**

<alias>	SAP
<alias>.client	SAP
<alias>.user	SAP
<alias>.password	SAP
<alias>.language	SAP
<alias>.host	SAP
<alias>.sysno	SAP
<alias>.r3name	SAP
<alias>.group	
<alias>.gwhost	SAP

<alias>.gwserv	SAP
<alias>.tpname	JCO ID
<alias>.tphost	

spmgr.properties

- **Daemon/Servlet**

{OZ_HOME}\conf\spmgr.properties

spmgr.properties

```
# Secure Level [ high / middle / low ]
# default : low
client_message_secure_level = low

user.multilogin= true
user.sessionTimeout = 10
allow_service_qd=false
enable_service_repository=false
allow_service_em=false
allow_service_rm=false
allow_service_rv=false
allow_service_av=false
allow_service_api=false
allow_service_sh=false
allow_service_ps=false
```

- **spmgr.properties**

multilogin	

sessionTimeout	(user.multilogin 'false') 가		
client_message_security_level	high	Client , Server Server Servlet Server 가	
	middle	Client Exception Name , Server Server Servlet 가	
	low	Client , Server , Server Servlet Server 가	
allow_service_qd	ODI 가 :		
enable_service_repository			
allow_service_em	Enterprise Manager 가		
allow_service_rm	Repository Manager 가		
allow_service_rv	OZR 가		
allow_service_av	OZA 가		
allow_service_api	API 가		
allow_service_sh	Scheduler 가		
allow_service_ps	Push Server 가		

: enable_service_repository

- enable_service_repository=true

		가	가
allow_service_qd	true	O	O
	false	O	X
allow_service_rv	true	O	O

	false	O	X
allow_service_av	true	O	O
	false	O	X

allow_service_qd, allow_service_rv, allow_service_av false
 , enable_service_repository true
 가 .

- enable_service_repository=false

		가	가
allow_service_qd	true	X	X
	false	X	X
allow_service_rv	true	X	X
	false	X	X
allow_service_av	true	X	X
	false	X	X

enable_service_repository false , allow_service_qd,
 allow_service_rv, allow_service_av true 가
 .

srmngr.properties

- **Daemon/Servlet**

{OZ_HOME}\conf\srmngr.properties

SDM

SDM

srmngr.properties

```
# default t : false
use_scheduled_data=true

# The path that scheduled data modules are stored.
# default t : %OZ_HOME%/scheduled_data
datamodule_path=%OZ_HOME%/scheduled_data
```

- **srmngr.properties**

use_scheduled_data	SDM . (true/false) "true" , "datamodule_path" SDM "BATCH" , "Fetch Type" "CONCURRENT" , "Fecth Type"
datamodule_path	SDM

uslmngr.properties

- **Daemon/Servlet**

{OZ_HOME}\conf\uslmngr.properties

User Security Logic

uslmngr.properties

```
# oz3.0 USL configuration

#
# set whether use user security logic or not globaly
#
UseUserSecurityLogicVer30 = true

OZDefault_SERVER=oz.usl.OZUSLServerSample
OZDefault_CLIENT=oz.usl.OZUSLClientSample
```

- **uslmngr.properties**

UseUserSecurityLogicVer30	User Security Logic
OZDefault_SERVER	USL
OZDefault_CLIENT	USL

: User Security Logic

xml.properties

- Daemon/Servlet

{OZ_HOME}\conf\xml.properties

xml

xml.properties

```
-----  
# Configuration of XML parser used by OZ Server  
#-----  
  
#SYSTEM_DEFAULT Setting  
sax.parser=SUN  
dom.parser=SUN  
  
#####  
#  
# parser List  
# - followings are able to used in SAX and DOM  
# -----  
#  
# SUN          : parser.jar  
# CRIMSON     : crimson.jar  
# XERCES      : xerces.jar  
# SYSTEM_DEFAULT : javax.xml.parsers.DocumentBuilderFactory
```

- xml.properties

sax.parser	SUN, CRIMSON, XERCES, SYSTEM_DEFAULT
dom.parser	XML SUN, CRIMSON, XERCES, SYSTEM_DEFAULT

- jar
 - SUN 가
 - 가 WAS CRIMSON , SUN
 - 가 CRIMSON
 - IBM JVM XERCES
 - XML XML , Entity가 , SUN
 - Entity 가 dom.parser
 - CRIMSON XERCES
- SYSTEM_DEFAULT JDK javax.xml.parsers.
 - DocumentBuilderFactory

Shell Command

Windows

Unix Command Line

■ **Windows**

Windows <OZSERVER_HOME>\bin\ozcctrl.bat

■ **Unix**

Unix <OZSERVER_HOME>/bin/ozcctrl.sh

■

ozcctrl [-command] [-arg_name: arg_value...] [-option...]

■

- Command

```
ozcctrl -version -ip: 127.0.0.1 -port: 8001 -id: admin -pwd: admin
```

-

```
ozcctrl -testsdm
ozcctrl
```

ozcctrl

-

```
ozcctrl -regsrv
```

```
ozcctrl -regsrv ozashell.properties
```

(url or ip/port, id, password)

가

가 Command Line -ip, -port

가

(Command)

ozcntrl -help

Arguments

■ Source 가 Source

가 Source

- Source A
 ozcntrl -regsrv (ozashell.properties.
 ID/Password)
- Source B
 Command argument
- Source C
 Interactive User Input

■ Type 가 Type

Source

가 Type

- Type 1
 Source B → Source A → Source C
 Server Address
- Type 2
 Source B → Source C
 Server Address
) User Input Parameter
- Type 3
 Source B
) -xml

: ozcntrl -regsrv

➤ -start

```

: ozcntrl -start {configuration_file_name}

```

```

configuration_file_name
    ozserver.properties

```

)

```

ozcntrl -start

```

```

ozcntrl -start d:/server2.properties

```

➤ -stop

```

(
)

```

```

: ozcntrl -stop [SERVER-LOCATION]

```

```

SERVER-LOCATION

```

```

-ip : ip_address -port:port_number

```

)

```

ozcntrl -stop

```

```

ozcntrl -stop -ip: 127.0.0.1 -port: 8003

```

➤ -version

```

가

```

```

가

```

```

: ozcntrl -version[SERVER-INFO]

```

)

```

ozcntrl -version

```

```

ozcntrl -version -url:http://127.0.0.1: 8080/oz/server

```

```

ozcntrl -version -ip: 127.0.0.1 -port: 8080 -id: admin

```

```

-pwd: admin

```

➤ -local.version

```

-version

```

```

ozcntrl ozsfw35.jar

```

```

: ozcntrl -local.version

```

)

```
ozcntrl -local.version
```

➤ -testsdm

SDM

```
: ozcntrl -testsdm {-fn:sdm_file_name} (-xml)
```

```
-fn :          sdm
```

```
xml :          XML
```

```
./sdmtest.xml
```

```
)
```

```
ozcntrl -testsdm
```

```
ozcntrl -testsdm -fn:/temp/report1.sdm -xml
```

■ Repository Manager

➤ -repository.getcfg

Repository Manager

```
: ozcntrl -repository.getcfg [SERVER-LOCATION]
```

```
)
```

```
ozcntrl -rpt.getcfg
```

```
ozcntrl -rpt.getcfg -url:http://127.0.0.1:8080/oz/server
```

➤ -repository.dn

Repository

```
: ozcntrl -repository.dn [SERVER-INFO]
```

```
)
```

```
ozcntrl -rpt.dn
```

```
ozcntrl -rpt.dn -url:http://127.0.0.1:8080/oz/server
```

■ Cache Manager

➤ -cache.getcfg

```
: ozcntrl -cache.getcfg [SERVER-INFO]
```

```
)
```

```
ozcntrl -cache.getcfg
```

```
ozcntrl -cache.getcfg -url:http://127.0.0.1:8080/oz/server
```

■ **Connection Pool**

➤ -cp.status

```
      : ozcntrl -cp.status [SERVER-INFO]
    )
    ozcntrl -cp.status
    ozcntrl -cp.status -ip: 127.0.0.1 -port: 8003
    ozcntrl -cp.status -url: http://127.0.0.1:8080/oz/server
```

■ **Log Manager**

➤ -log.getcfg

```
      : ozcntrl -log.getcfg [SERVER-INFO]
    )
    ozcntrl -log.getcfg
    ozcntrl -log.getcfg -ip: 127.0.0.1 -port: 8003
    ozcntrl -log.getcfg -url: http://127.0.0.1:8080/oz/server
```

➤ -log.dn

```
      : ozcntrl -log.dn [SERVER-INFO] {-fn:filename}
filename :
    )
    ozcntrl -log.dn
    ozcntrl -log.dn -lp: INFO
    ozcntrl -log.dn -url: http://127.0.0.1:8080/oz/server
```

■ **Monitor**

➤ -mnr.dn

```
      : ozcntrl -mnr.dn [SERVER-INFO] {-fn:filename}
filename :
    )
    ozcntrl -mnr.dn
    ozcntrl -mnr.dn -fn:d:/monitor.log
```

```
ozcntrl -mnr.dn -url:http://127.0.0.1:8080/oz/server
```

■ Builtin DB

➤ -builtin.repair

```
query.log          db_file.script
: ozcntrl -builtin.repair [SERVER-INFO]
)
ozcntrl -builtin.repair
ozcntrl -builtin.repair -ip:127.0.0.1 -port:8003
ozcntrl -builtin.repair -url:http://127.0.0.1:8080/oz/server
```

■ DataBind

➤ -databind.getcfg

```
DataBind Manager
"ConcurrentFetchSize" "ConcurrentFirstRow"
: ozcntrl -databind.getcfg [SERVER-INFO]
filename :
)
ozcntrl -databind.getcfg
ozcntrl -databind.getcfg -ip:127.0.0.1 -port:8003
ozcntrl -databind.getcfg -url:http://127.0.0.1:8080/oz/server
```