

WebLogic 6.0 가

.

(UNIX , weblogic6.0sp1+ console.war(patch))

1. WebLogic

Weblogic5.1 weblogic6.0

weblogic

(1).

(:platform support(http://e-docs.bea.com/wls/platforms/index.html) : NT(free storage space: 95MB) UNIX(free storage space: 134MB)

:128MB

(2).

(2).			
JDK1.3:WebLogic6.0		(JDK1.3	two-phase
Commit)			
Console()	MS Internet Explore	r5.x
Netscape4.7x			
(3). WebLogic6.0			
1). GUI			
graphic 가			
\$ sh webloigc600_s	sol().bin	가
2). Console			
text			
\$ sh weblogic600_s	ol().bin ?i console	가
)weblogic > sh we	eblogic600sp	1_sol.bin -i console	
1.			
Preparing to install.			
Preparing CONSOL	E Mode Install	ation	
Choose Locale			
1 - Deutsch			
->2- English			



```
3 - Espa?ol
  4 - Fran?ais
CHOOSE LOCALE BY NUMBER: 2
\rightarrow 2-English
  )
                 java.lang.NullPointerException
      export LANG=C
2.
License Agreement
3.
Choose Install Set
. . . . . . . . . . . . . . . . . . .
Please Choose the Install Set to be installed by this installer.
 ->1 - Server
  2 - Customize...
ENTER THE NUMBER FOR THE INSTALL SET, OR <ENTER> TO ACCEPT
THE DEFAULT: 1
→ Server
4.
Choose BEA Home Directory
1 - Create a New BEA Home
Enter a number: 1
Specify a New BEA Home: /export/home/prodev/bea
→1
5.
_____
Choose Product Directory
1-Modify Current Selection (/export/home/prodev/bea/wlserver6.0sp1)
2-Use Current Selection (/export/home/prodev/bea/wlserver6.0sp1)
Enter a number: 2
                     2
```

→1



6.		
		======
Default Server Configuration		
1 - Modify WebLogic Admin Domain Name (mydo	omain)	
2 - Modify Server Name (myserver)		
3 - Modify Listen Port (7001)		
4 - Modify Secure (SSL) Listen Port (7002)		
5 - Done Configuration		
Enter a number: 5		
→ , ,,SSL		
. 5		
7.		
	=========	=====
Create System Password		
Password: weblogic		
→ .		
8.		
Good Password! Press "Enter" to contitnue		
		=====
Installing		
[======================================		====][
]
		=====
Install Complete		
Congratulations. 'WebLogic Server' has been success	sfully installe	ed to:
/export/hos9488me/prodev/bea/wlserver6.0sp1		
→weblogic b	ea	가

i

Console

Template (installer.properties)



) sh filename.bin ?f fullpath/installer.properties

<installer.properties >

BEAHOME=

C_domainName=Domain name

C_serverName=Server name

C_ServerListenPort=Port

C_ServerSSLListenPort=SSL Port

C_password=system password

<installer.properties >

INSTALLER_UI=silent

USER_LOCALE=en

BEAHOME=/home/beadev/dbai/solaris/bea

C_domainName=mydomain

C_serverName=myserver

C_serverListenPort=7001

C_serverSSLListenPort=7002

C_password=abcd1234

CHOSEN_INSTALL_SET=Server

(_____(http://edocs.bea.com/wls/docs60/install/instsil.html))

```
4).
```

\$ java -cp filename.zip() install -i console 가

(4).

BEA Home			-	
	license.bea			
	registry.xml			
	UpdateLicense	e(.sh/.cmd)	•	
	jdk130/			
	utils/			
1).license.bea				
weblogic6.0	License		License가	
UpdateLicense	e utility	update		
)\$ sh Upd	ateLicense Licens	e.bea-new()
	license.bea			



2).registry.xml		
,	,	product
3).UpdateLicense.sh		
license		uility
4).jdk130		
jvm,		, weblogic6.0
5).util		
weblogic	utility	

2. WebLogic6.0 Architecture

- (1).
 - 1). Domains

WebLogic	Server가
----------	---------

configuration()	install of	dir/config/domain	name/config.xml	XML
•••····ga.a•··(,		a, e eg, a ea <u>-</u>		<i>,</i>

- 2). Adminstration Server
 - (Managed Server) (config.xml) , managed server가 . Administration Console() Domain
- 3).Managed Server
- MangedServer Managed Server Administartion Server 4).Property weblogic.properties(wls5.1) config.xml \$WLS_HOME/config/ / 5). Console(console.war)
 - http://ip:port/console 가





Administartion Server가, Managed Server가 . Adminstartion Server Console 가 가 Configuration Repository(config.xml) . Managed Serve Administration Server

3. WebLogic6.0 Start and Stop (WLS_HOME/config/ 가) (1). Administartion Server start stop 1). startWebLogic.sh Adminstration Server .(password script set WLS_PW=password 가 .) Port Default 7001 , console config.xml 2). StartWeblogic.sh java weblogic.Admin ?url ip:port ?username system -password password SHUTDOWN Administration Console Server ->Monitoring ->Shutdown this Server (2).Managed Server start stop 1). startManagedWebLogic.sh

Managed server가



가 console console(http://ip:port/console) Admin server (mydomain ->servers Create a new server..) 🍯 Weblogic Server Console – Microsoft Internet Explorer - [] × 파일(E) 편집(E) 보기(V) 즐겨찾기(A) 도구(I) 도움말(L) 86. 누위로 - - - 🗿 🗿 🖓 😋 김석 🔄 물개학가 ଔ 목록보기 🔂 - 🍜 🖬 🚍 주소(D) 🛃 http://localhost:7001/console/index.jsp · 🖓 🛛 🗟 🗆 🔕 mydomain -* mydomain> Servers E Servers 🔶 myserver Connected to localhost:7001 Active server1 🔊 Clusters Create a new Server. Machines Customize this view E Deployments 5 Applications Memory 🗉 률 EJB Status Name Machine Cluster Usage 🖽 🚭 Web Applications 😼 Startup & Shutdown 81% myserver (none) (none) E Services server1 (none) (none) ฟล ∃ JDBC ۲ http://localhest/7001/console/panels/mbean/Server,jsp?r 🛃 로컬 인트라넷 Manged server port create ■ Webligic Server Console - Microsoft Internet Explorer 파일(E) 편집(E) 보기(() 즐겨 찾기(A) 도구(I) 도름발(H) 110 수위로 · → · ④ 및 산 ()) 경역 ()) 용가였기 ()) 백력보기 (2)· () () [] [] 주소(1) 🔄 http://localhost:7001/console/index.jsp · 2015 E Servers **f** = mydomain> Servers> create ♦ mysen.♦ server1 Connected to localhost 7001 Aur 19 20:09 Clusters Machines Configuration Deploymer Deploy HTTF Tuning General Cluster Protocols A Name: server1 B Services B DDBC (none) = A Machine: 🖽 🛄 JMS 7005 æ. Listen Port: MK C WLEC Administration Port: 盃 Jok Virtual A Listen Address: Mail E FileT3 Create в 🌮 Security 이 로칠 언트라넷

- command

 \rightarrow

\$>Java weblogic.Admin ?url ip:port (Admin URL) ?username system?passwordPassword CREATE?mbean ":Type=Server,Name= "7]) Java weblogic.Admin ?url localhost:7001 ?username system



```
?password 11111111 CREATE
            ?mbean 'mydomain:Type=Server,Name=Server1 "
        )
                   default 7001
                                         Admin console
    config.xml
                        가
    config.xml
      )<Server
       ClusterWeight="100"
       ListenPort="7005"
       Name="acctServer"
       >
       <KernelDebug
         Name="acctServer"
        />
       <ServerDebug
         Name="acctServer"
        />
        <SSL
         Name="acctServer"
        />
       <WebServer
        DefaultWebApp="DefaultWebApp_acctServer"
         Name="acctServer"
        />
        <Log
         FileName="acctServer.log"
         Name="acctServer"
        />
      </Server>
Managed Server
                        .(
                                                     Managed Server
                                    Manged Server
                                                       ADMIN_URL
                     set SERVER_NAME=managed server
           , script
                                                        ,
```

Set ADMIN_URL=Administartion server, set WLS_PW=password 7

Velus 아이티플러스 주식회사
2).startManagedWebLogic.sh
- \$>java weblogic.Admin ?url ip:port() ?username system
password password SHUTDOWN
)java weblogic.Admin ?url localhost:7005 ?username system ?passwo
weblogic SHUTDOWN
 Administration Console Server ->Monitoring ->Shutdown th
Server
3).startManagedWebLogic.sh
Managed Server
\$>java weblogic.Admin ?url ip:port ?username system ?password
password DELETE ?mbean " :Type:Server,Name= "
4. Web Application
Web Application servlets, JSP, JSP tag libraries HTML, image
EJB JDBC, JMS, XML resources
Web Application J2EE exploded directory format .wa
1). Web Application (Exploded directory fomat)
WebApplicationName/
(: \ config \ mydomain \ applications \ DefaultWebApp_acctServer)
html, JSP, image 가 .
/WEB - INF/web.xml
Web Application deployment descriptor .
/WEB-INF/weblogic.xml
Weblogic -specfic deployment descriptor .
/WEB - INF/classes
servlets utility class가 .
, Web Application 가 .war
deploy .
2). Web application Deploy
Web Application deploy .
(1). servlets, JSPs, static files, deployment descripter
(2). Web Application Deployment Descripter(web.xml)
Servlets initialization parameters jsp
tag libraries



- console Deployments ->Web Application

Configure a new Web Application

🕗 Weblogic Server Console - Microsoft In 파일(F) 펴진(F) 보기(V) 즐겨찾기(ternet Explorer (A) 도구(T) 도움말(H)					
↓ ↓ </td <td>· 프라이 프라프이 · 프레즐겨찾기 · ③목록보기 토</td> <td>- 3 ∎ E</td>	· 프라이 프라프이 · 프레즐겨찾기 · ③목록보기 토	- 3 ∎ E				
]] 주소(D) 🛃 http://localhost:7001/console	e/index.jsp	_ ⊘이동				
□ Impdomain ▲	mydomain> Web A	pplications				
A Clusters	Connected to localhost:7001	Active				
Deployments Deploymen	Configure a new We Configure a new Web Ap Customize this view	b Application plication]				
Console	Name	Application				
DefaultWebApp_myserv	<u>certificate</u>	<u>certificate</u>				
DefaultWebApp_server1	test2	test2				
example	example	example-1				
<pre>examplesWebApp/ Getest1</pre>	DefaultWebApp_mysen	<u>ver DefaultWebApp_r</u>				
testi ■test2	wl_management_interna	al2 wl_management_i				
🕶 wl_management_intern	•	► ►				
) http://localhost:7001/console/panels/r	nbean/WebAppCor	로컬 인트라넷 //				
- web application UI	web application URI, path create					



· 데로 · · · · · · · · · · · · · · · · · ·	해 해 감독 (ME가장기)	(3998년7) [18], 28 11 12	
幸全(1) @ http://iccalhost:	7001/console/index.jsp		- @0s
🗆 🗣 mydomain 📃	mydomains We	Applications> create	
E 🗣 Servers & Clusters P Machines	Connected to localhost?	001 Active Do	main: mydomain 🛛 🛛 Fri Apr
E Deployments Applications	Configuration	Tarnata Monitodor	Notes
E 🚅 EJB E 🚅 Web Application	General	les les	
Continuate			
Console Console	A <u>Name</u> :	WebBank	
■DefaultWei ■example	<u>URI</u> :	WebBank	
example examples	∆ <u>Path</u> :	/contg	
⊂test]	P Deploy	ed	
■test2 ■vt_manag			Country
genem_tw =			0.000
Citation & Charl			
Startup & Shu E Services			

[2]..war Deploy

6.0 web Application war Web Application %WLS_HOME%/config/ /applications

Temp

- serverlt jsp
-) Jar cv0f Server1war.

applications

- Console 가 Deployments ->WebApplications ,
- install new Web Application Server1 install





, .war upload



4). Target

Target Deploy Web application

- Target

Veblagic Server Console - Microsoft II	vernet Explorer			
파달(E) 환질(E) 모개(Y) 물거찾게	(6) 57(1) 5番買付)			
수위로 - 야 - 🕲 🕑 갑 🗒 광여	· 비용거찾기 (문부목보기 원·			
全心 👔 http://localhost:7001/consol	e/index,isp			• 20
Invidomaln	mydomain> Web App	lications	0 🗂 🗇	? (1
Chustore Marchiner	Connected to localhost 7001	Active Domain:	nydamain Fri Agr 20 10:57 4	0 GMT+09:0
Applications Applications Applications Applications	Profigure a new Web / Prinstal a new Web Appli Quistorrize this view	application		
Console	Name	Application	URI	
DetaultWebApp_musen	certificate	certificate	certificate.war	100
DataultWabApp_server1 Seconde	test2	test2	test2.war	5
example .	example	example-1	example war	Q
<pre>examples'WebApp/ apples'WebApp/</pre>	DefaultWebApp_myserver	Default/VebApp_myserver	Default//ebApp_myserver	5
■test2	wi_management_internal2	wd_management_internal2	wd_management_internal2ywar	000
wi_management_intern	wi_management_internal1	wi_management_internal1	wl_management_internal1 war	609
Startup & Shutdewn	console	console	console war	6
E Services	example	example	example war	5
E LUINS	DefaultWebApp_server1	Default/VebApp_server1	Default/VebApp_server1	12
Dom.	test1	lest1	test1.war	6
GP WLEC	examplesWebApp/	example	examples/VebApp/	-
S Virtual Hests	al .			
	March .		· 문법 인물관계	1

- targets web application target server apply . 가 Chosen target web application



Weblogic Server Console - Microso IDS(E) 即さ(E) 単プ(ダ) 参วす	finternet Esplorer 111(点) 도구(王) 도	東町(H)		2 (D) 2 (B)
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B Emydamain B Sarvars Clusters D Natchines D Cooleymants S Applications B BLB	mydomain> M Connected to localita Configuration	leb Applications> er arroll Ac Targets More	cample no Domini Hydoman F Ioring Hydres	🔒 🗗 ? 🧯
Web Applications Cetticate Console Co	Target Servers:	Clusters Virtual Ho Available Mysamer server2	Chosen	
isnL isnL				
a 🔊 Sprinkin 📰	•			11 DE3%

5). JSP

(1).JSP

WebApplicationName/JSP operating Parameters/WebApplicationName/web-inf/weblogic.xml.

<jsp-descriptor>

- <jsp -param>
 - <param -name>

pageCheckSeconds

- </param-name>
- <param -value>

```
1
```

- </param-value>
- </jsp-param>
- <jsp -param>
 - <param -name>
 - verbose
 - </param-name>
 - <param -value>
 - true
 - </param-value>



- </jsp-param>
- <jsp -param>
 - <param -name>
 - encoding
 - </param-name>
 - <param -value>
 - KSC5601
 - </param-value>
- </jsp-param>
- </jsp -descriptor>
-
- (2).JSP
 - mydomain configuration HTTP Default Web Application target Web



Web Application

Web Application

Console ->Servers ->Server1->Deployments ->Web Applications Web Application 가 . Default Web Application URL : http://localhost:7005/가 가 Web Application URL : http://localhost:7005/WebApplications / 가 . Web Application config.xml



) Web application WebBank,WebIT7 , Bank.jsp,IT.jsp 7 .weblogic server AdminServer Server1(Manged server)7 .WebBank,WebIT target server7 server1 , server1 Default webApplication WebBank jsp →(server1)http://localhost:7005/Bank.jsp http://localhost:7005/WebIT(URL)/IT.jsp

-) (:webIT) web application target (webIT) web application
- 6). Servlet

/aplicatons/DefaultWebApp -acctServer/WEB-INF/classes

class

)	system classpath	weblogic start	classpa
	servlet		

```
/WEB-INF/web.xml
```

<?xml version="1.0" ?>

<!DOCTYPE web-app PUBLIC "-//Sun Microsystems, Inc.//DTD Web Application 1.2//EN" "http://java.sun.com/j2ee/dtds/web-app_2_2.dtd"> <web-app>

<servlet>

```
<servlet-name>
```

myServlet

- </servlet-name>
- <servlet-class>

examples.servlets.HelloWorldServlet

</servlet-class>

</servlet>

```
<servlet-mapping>
```

<servlet-name>

myServlet

</servlet-name>

<url-pattern>

```
/test/*
```

```
</url-pattern>
```



</servlet-mapping>

</web-app>

sta	rtWebLogic.cmd	Administration Server
startManageo	JWegLogic.cmd	Managed Server
. http:	://localhost:7001/test/dk	kdkd . xml
url-pattern	U	url
	. http://	/localhost:7001/test/hello

5.JDBC

(1). JDBC Pool(thin)

1).Console Pool

- Administartion Server console .
- Console ->services ->JDBC->Connection Pools
- Connection Pools Create a New JDBC Connection Pool...



- Configuration ->General

Name : pool

URL: DataBase URL

Driver Classname: jdbc driver

Properties: usr, password....





)

Name: demoPool URL: jdbc:oracle:thin:@localhost:1521:ORCL Driver Classname: oracle.jdbc.dirver.OracleDriver Properties: user=scott Password=tiger

- Pool	properties	configurat	tion ->Conn	ections	
initial Capacit	y=				
Maximum Cap	pacity=				
	Capacity Increr	ment=	가		가
Login Delay S	econds=				
			가 .		
Refresh Perio	d=				
AllowShirinkin	g :	가	가		
		. 7	ŀ		
initialCapacity			. Cł	neck	
Shrink Period	:				
		allow	Shirinking		check



```
DB(E) 2002 12700 8742700 5710 58800
                                                                                                                                                                                                                     12
                       + 11# - - - 이 김 선 이라비 고로가전가 생겨주요?! 신· 내 환 년
주소(2) 4월 http://locatiost.1001/console/infex.isp
                                                                                                                                                                                                             30%
                       1 Tropicariai a

G S Scences

Transariat

Connor1

Connor1

Connor1
                                                                    mydemain> JDBC Connection Pools> MyJDBC
Conadfadfrection Pool
                                                                                                                                                                                                 40?
                                                                      Connected to localhost 7001
                                Chistory
                               Machi
                                                                                                   Connection
                                   Dopicymants
Applications
                                                                                                                                  Testing
                               1 In
                               B B B Hab Applications
                                                                                   Initial Capacity:
                                   🗃 Startup is Shutdown
                                                                              A Maximum Capacity:
                                                                                                                                                 connecti
                           G Dea

Services

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                                                                              Capacity increment:
                                                                                                                                                 connect
                                   E Mult Pools

E Carried Searces

To Date Searces
                                                                              A Login Delay Seconds: 0
                                                                                                                                                 seconds
                                                                              A Refresh Period:
                                                                                                                                                minutes
                               inite
Martine
Martine
Martine
                                                                             △ 🖂 Allow Shrinking
                                                                              A Shrink Period:
                                                                                                                                               minutes
                                   CI-FII T
                                   Users
                                   flatt o
                                                                                                                                                                                  · 문을 인트라신
                      - Targets -> Servers
                                       pool
                                                                                          Target server
                      - Monitoring ->Monitor all instances of demoPool
                             Pool
2).Config.xml
                                                                                Pool
                                                                                                               (thin)
        $WL_Home/config/$DomainName/config.xml
                                                                                                                                                                                                                                                                        JDBC
                      Connection Pool
                                                                     config.xml
                                                                                                                          가
                           <JDBCConnectionPool
                                                   CapacityIncrement="2"
                                                   DriverName=" oracle.jdbc.dirver.OracleDriver "
                                                  InitialCapacity="4"
                                               LoginDelaySeconds="1"
                                               MaxCapacity="10"
                                               Name="oraclePool"
                           Properties="user=test;password=test;server=ORCL"
                                           RefreshMinutes="10"
                                           ShrinkPeriodMinutes="15"
                                           ShrinkingEnabled="true"
                                            Targets="server1"
                                            TestConnectionsOnRelease="false"
                                           TestConnectionsOnReserve="false"
                                           TestTableName="dual"
                                             URL=" jdbc:oracle:thin:@localhost:1521:ORCL "
```



/ >

(2). JDBC Pool(oci

1).Console Pool

)

thin , DriverName,URL "weblogic.jdbc.oci.Driver" "jdbc:weblogic:oracle" . Client Library

```
2).Config.xml Pool
```

%WL_Home%/config/%DomainName%/config.xml

```
JDBC Connection Pool
```

config.xml 가

<JDBCConnectionPool

CapacityIncrement="2"

DriverName="weblogic.jdbc.oci.Driver"

InitialCapacity="4"

LoginDelaySeconds="1"

MaxCapacity="10"

Name="oraclePool"

Properties="user=test;password=test;server=ORCL"

RefreshMinutes="10"

ShrinkPeriodMinutes="15"

ShrinkingEnabled="true"

Targets="server1"

TestConnectionsOnRelease="false"

TestConnectionsOnReserve="false"

TestTableName="dual"

URL="jdbc:weblogic:oracle"

/ >

→CLASSPATH

weblogic oci driver %WL_HOME%/lib/weblogic.jar

weblogic.jar

.(default

.) →Client Library

Weblogic

path



%ORACLEHOME%/ora8	81/bin %V	VL_HOM	E%/bin/oci816_8	
Oci816_7 - Oracle 7 AF	<u>ו</u>			
Oci816_8 - Oracle 8 AF	2			
(oracle 8	jdbc2.0 co	re API	optional package	
oci816_8	.)			
Administration Server			console	
jdbc Pool			Target	Pool

(Administraton Server or Managed Server) .(가 Server1가 .)

Console



(3). DataSource

- 1).Console DataSource
 - Services ->JDBC ->Data Source ->Configuration

Name: Data Source

JNDI Name: jndi

Pool Name: pool

): Name: MyJDBCDataSource

- JNDI Name: demo
- Pool Name: demoPool



Weblogic Server Console – Microsoft Internet	t Explorer	
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] 주소(D) 🛃 http://localhost:7001/console/ind	ex.jap	<u> </u>
🗏 🗣 mydomain 🖉 🔤	INAMAINA INDO Data Sourcess	ereate
Servers	vuomanie Jube Data Sources	create
serveri Con	nected to localhost 7001 Act	ve Domain, mydomain
→ server2		
Al Clusters	Configuration Targets Note	5
Geplouments		
🖯 🖾 Services	A Name:	
E DJOBC	IN DI	
Connection Pools MultPools	A Name:	
🗆 🏴 Data Sources		
MyJDBC Data Sour	A Name:	
Tx Data Sources	ivanie.	
12 XML		Create
WLEC .		
Uolt Internet Manada		
A Mail		
E ² FileT3		
E PSecudiu 🔣 🔳		

.

2).config.xml DataSource

%WL_Home%/config/%DomainName%/config.xml

```
DataSource
```

config.xml 가

```
<JDBCDataSource
```

JNDIName="myDataSource"

Name="myDataSource"

PoolName="oraclePool"

Targets="Server1"

/>

console



- Server1(Managed server) Connection .

.....

Context ctx = getInitialContext();

javax.sql.DataSource ds = (javax.sql.DataSource) ctx.lookup("myDataSource");

Connection conn = ds.getConnection();

.....