

Summary

This guide describes how to migrate development-complete WAR files into WAS servers via ftp, how to deploy WAS, as well as how to run and halt WAS servers.

Description

In order to FTP and deploy completed WAR files, as well as run/halt WAS servers, following steps are required.

1. Admin login

Admin login is required for WAS run/halt as well as deploying modules to WAS.

Default login is admin/admin123, so you must change the password after logging in.

2. Register server info

Register server IP that the project will manage.

3. Register WAS info

Register WAS info (WAS type, run/halt script) for the project.

Jeus, Weblogic, JBoss type WASes are supports as of now.

4. Register distribution info

Register module to be migrated, WAS info, FTP path, deploy target and other information.

5. Run/Halt WAS

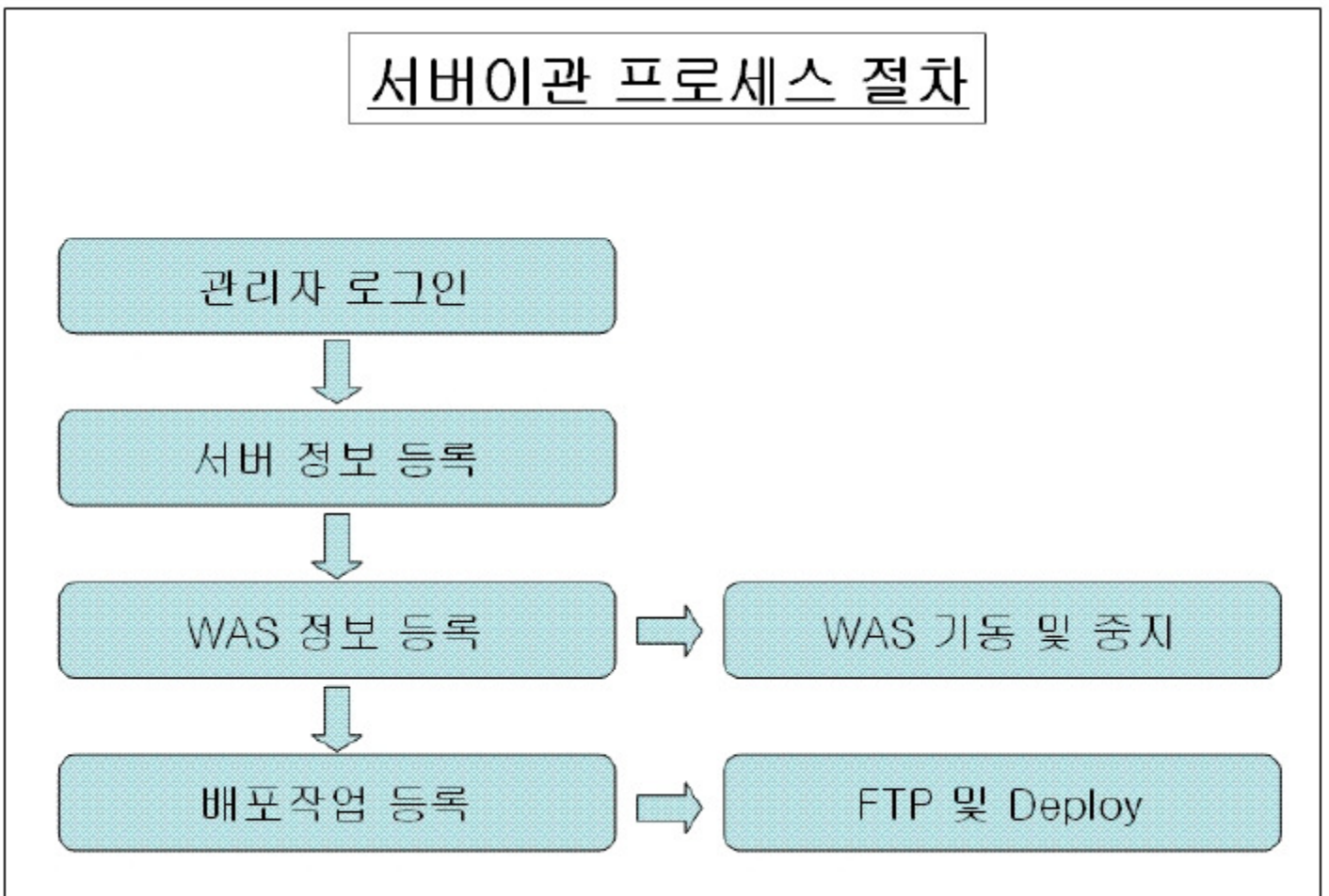
Run or halt WAS servers by referring to WAS registration info.

Step 3 must be completed.

6. FTP and Deploy

FTP and deploy by using registered info.

Step 4 must be completed.



Environmental settings

1. Install Deployment Tool

From the eGovFrame portal (<http://www.egovframe.go.kr> [<http://www.egovframe.go.kr>]), download the Deployment Tool, and deploy it in the target WAS server.

Deployment location should be the server that has the SCM installed. (The server needs war file)

2. WAS environment variables

Environment variables (`deploy.script.home`, `deploy.path`) for running the WAS need to be set.

`-Ddeploy.script.home="distribution script and log file location"`

`-Ddeploy.path="root directory that contains the war file"`

3. Change property file

After you deploy the Deployment Tool in the correct WAS, copy the `common.properties` file from the `WEB-INF/classes/deployscript`에 서 , store it into the directory that is specified in `deploy.script.home`, and customize as desired. Make sure to use `\\` for Windows and `/` for Unix for file paths.

[`common.properties`]

`was.deploy.script.path="distribution script and log file location"`

`#If WAS is weblogic`

`weblogic.deploy.jar.path="location of weblogic.jar file under the weblogic directory"`

`weblogic.adm.id="weblogic admin id"`

`weblogic.adm.pwd="weblogic admin password"`

`#If WAS is jeus`

`jeus.home.path="jeus home directory"`

`jeus.node.name="hostname"`

`jeus.baseport="jeus base port(default=9736)"`

`jeus.adm.id="jeus admin id"`

`jeus.adm.pwd="jeus admin password"`

4. Create DB schema

From the eGovFrame portal, (<http://www.egovframe.go.kr> [<http://www.egovframe.go.kr>]), download the SQL query for creating Deployment Tool's DB Schema generation. Then access the DB to run the query.

5. Change DB connection settings

After deploying Deployment Tool in the WAS, modify the `WEB-INF/config/context-datasource.xml` file as desired. The file will have default user settings initially.

6. WAS user settings

`FTPsettings` : for FTP connections between deploy server and WAS.

`Telnetsettings` : for Telnet connections between deploy server and WAS.

`ANTsettings` : add `${ANT_HOME}/bin` to the `PATH` variable

`Work folder settings` : setting a work folder that gives read & write permissions to the user is recommended

7. Install Ant

Ant installation is required for deployment server and WAS server.

Refer to the following guide to install the newest version of Ant.

<http://ant.apache.org/> [<http://ant.apache.org/>]

8. WAS run/stop script

Specific WAS run/stop script provided by the WAS server vendor is required.

Following is the description of how to migrate server.


Admin login



The image shows a login form titled "Login" with the subtitle "아이디 로그인". It contains two input fields: "아이디" (ID) and "비밀번호" (Password). A blue button labeled "로그인" (Login) is positioned to the right of the password field.

1. Enter username and password.
2. Click the Login button.

Register server



The image shows a server registration form titled "서버정보등록" (Server Information Registration). The breadcrumb path is "배포관리홈 > 서버목록 > 서버정보등록". The form contains four input fields with red asterisks indicating required fields: "서버이름" (Server Name), "서버IP" (Server IP), "사용자 아이디" (User ID), and "비밀번호" (Password). At the bottom right, there are three buttons: "저장" (Save), "초기화" (Reset), and "목록" (List).

1. Enter server name, IP, username and password.
2. Click the Save button.
3. After it is stored, proceed to the server list screen.
4. To clear entries, click the Clear button.
5. To proceed to the server list screen, click the List button.

Register WAS information

* WAS명 :	<input type="text"/>
* 서버명 :	선택하세요 ▼
* WAS서버 구분 :	선택하세요 ▼
실행경로 :	<input type="text"/>
실행유저ID :	<input type="text"/>
실행유저PWD :	<input type="text"/>
기동 스크립트 :	<input type="text"/>
중지 스크립트 :	<input type="text"/>

1. Enter all the fields above - WAS name, server name, WAS type, path, username, password, run script, Stop script, and the WAS home path.
2. Choose server name. Choose an existing server with WAS installed.
3. Choose WAS server. weblogic, jeus, or jboss.
4. Click the Save button.
5. After saving the information, proceed to the WAS list screen.
6. To clear entries, click the Clear button.
7. To proceed to the WAS list screen, click the List button.

Register distribution information

* 작업명 :	<input type="text"/>
* 대상WAS명 :	선택하세요 ▼
* 대상모듈 :	<input type="text"/> <input type="button" value="모듈선택"/>
* FTP 경로 :	<input type="text"/>

1. Enter WAS name, target module, FTP path.
2. Choose WAS. Choose one from the registered WASes.
3. Click the Choose Module button to choose a module.
4. Enter deploy target. If using jeus, enter the container name, and if weblogic, enter server name.
5. Enter Admin URL if using weblogic.
6. Click the Save button.
7. After registering the distribution information, proceed to the distributions list.
8. To clear entries, click the Clear button.
9. To proceed to the distributions list screen, click the List button.

FTP

[Distributions list]

배포작업목록							배포관리 홈 > 배포작업목록			
<input type="checkbox"/>	No.	작업명	WAS명	대상서버IP	대상모듈	작업				
<input type="checkbox"/>	1	JBOSS-dev-dep	Product WAS jboss	192.168.200.21	hudson.war	<input type="button" value="FTP"/> <input type="button" value="Deploy"/> <input type="button" value="자동미관설정"/>	<input type="button" value="삭제"/> <input type="button" value="재시도"/> <input type="button" value="정지"/>			

[FTP in progress]

FTP 작업로그 조회		배포관리 홈 > 배포작업목록	
<hr/>			
작업명 :	JBOSS-dev-dep		
작업구분 :	ftp		

[Work log after completion]

작업명 : JBOSS-dev-dep

1. Bring up the the work logs.
2. Click the FTP button for the target job to send the module to the WAS.
3. When FTP is running, it will display the In-Progress message.
4. When transfer is complete, it will display FTP work log.

Deploy

[Distributions list]

배포작업목록							배포관리홈 > 배포작업목록		
<input type="checkbox"/>	No.	작업명	WAS명	대상서버IP	대상모듈	작업			
<input type="checkbox"/>	1	JBOSS-dev-dep	Product WAS jboss	192.168.200.21	hudson.war	<input type="button" value="FTP"/> <input type="button" value="Deploy"/> <input type="button" value="자동미관설정"/>			

[Deployin progress]

작업명 : JBOSS-dev-dep
작업구분 : deploy

작업중입니다



[Work log after work finish]

작업명 : JBOSS-dev-dep
작업구분 : deploy

```
dep_deploy_20090511162545.log           [echo] Build logged to JBOSS-dev-  
deploy-init: duration 0 seconds  
  
deploy-ftp:  
[ftp] Opening FTP connection to 192.168.200.21  
[ftp] connected
```

1. Bring up the distributions list.
2. Click the Deploy button for the target job to be deployed to the WAS
3. Once deployment starts, it will display In-Progress message.
4. Once deployment is complete, it will display deploy work log.

Running WAS

[WAS list]

WAS목록

배포관리홈 > WAS목록

WAS명 :

서버명 :

검색

<input type="checkbox"/>	No.	WAS명	서버명	서버IP	WAS작업	
<input type="checkbox"/>	1	Product WAS iboss	운영WAS	192.168.200.21	기동	중지

[Running WAS in progress]

WAS기동 작업로그 조회

배포관리홈 > WAS목록

WAS명 : Product WAS iboss

[WAS run complete]

WAS명 : ProductWASjboss
 작업구분 : start

```

[echo] Build logged to Product WAS
jboss_start_20090511160546.log
init: duration 0 seconds

was-start:
{+}net}
    
```

1. Bring up the WAS list.
2. Click the Run button to run the target WAS.
3. While WAS is running, it will display the In-Progress message.
4. When WAS is done running, it will display the WAS runs log.

Stop WAS

[Request WAS list]

WAS목록		배포관리홈 > WAS목록			
WAS명 : <input type="text"/>		서버명 : <input type="text"/>		<input type="button" value="검색"/>	
<input type="checkbox"/>	No.	WAS명	서버명	서버IP	WAS작업
<input type="checkbox"/>	1	Product WAS jboss	운영WAS	192.168.200.21	<input type="button" value="기동"/> <input type="button" value="중지"/>

[Stopping WAS in progress]

WAS명 : Product WAS jboss

작업구분 : stop

작업중입니다

[Stopping WAS complete]

1. Bring up the WAS list.
2. Click the Stop button to stop the running WAS.
3. While WAS is stopping, it will display the In-Progress message.
4. Once WAS is stopped, it will display the WAS stop logs.

Work logs

[Work log list]

[Work log details list]

1. Enter the search criteria (log type and date), and click Search.
2. Search results will be displayed.
3. Click on a work log to proceed to the work log details screen.
4. Click the List button to proceed to the work log list screen.