

## Element Technology – File Synchronization

### Summary

**File Synchronization** is a function to synchronize file saving and deletion at several AP servers. It provides functions to attach and download files by synchronizing AP servers.

### Description

- **File Synchronization** is intended to synchronize file saving and deletion at several AP servers and it includes the following functions: registration, update, deletion, inquiry and list inquiry of the target server information to be synchronized, and synchronization of files.

① Sync Target Server List Inquiry: It is to inquire the sync target server information in the order of the latest registration, and the search result is reflected on screen.

② Register Sync Target Server: It is to register the sync target server information and to inquire the registration result.

③ Update Sync Target Server: It is to update the registered sync target server information.

④ Delete Sync Target Server: It is to delete the registered sync target server information.

⑤ Detail Inquiry of the Sync Target Server: It displays the detailed server information selected from the sync target server list.

⑥ Register Sync Target File: It is to register the sync target file.

⑦ Delete Sync Target File: It is to delete the sync target file.

⑧ File Synchronization: It is synchronize the uploaded files.

### Related Sources

Type	Corresponding Sources	Remarks
Controller	egovframework.com.utl.sys.ssy.web.EgovSynchrnServerController.java	Controller class for the sync target server management
Service	egovframework.com.utl.sys.ssy.service.EgovSynchrnServerService.java	Service interface for the sync target server management
ServiceImpl	egovframework.com.utl.sys.ssy.service.impl.EgovSynchrnServerServiceImpl.java	Service implementation class for the sync target server management
DAO	egovframework.com.utl.sys.ssy.service.impl.SynchrnServerDAO.java	Data processing class for the sync target server management
Model	egovframework.com.utl.sys.ssy.service.SynchrnServer.java	Model class for the sync target server management
VO	egovframework.com.utl.sys.ssy.service.SynchrnServerVO.java	VO class for the sync target server management
JSP	/WEB-INF/jsp/egovframework/utl/sys/ssy/EgovSynchrnServerList.jsp	jsp page for the sync target server list inquiry
JSP	/WEB-INF/jsp/egovframework/utl/sys/ssy/EgovSynchrnServerDetail.jsp	jsp page for the detail inquiry of the sync target server
JSP	/WEB-INF/jsp/egovframework/utl/sys/ssy/EgovSynchrnServerRegist.jsp	jsp page for register the sync target server
JSP	/WEB-INF/jsp/egovframework/utl/sys/ssy/EgovSynchrnServerUpdt.jsp	jsp page for update the sync target server
XML	/egovframework/sqlmap/com/utl/sys/ssy/EgovSynchrnServer_SQL_*.xml	Sync target server information QUERY XML

### Class Diagram



### Sync Target Server List Inquiry

Action	URL	Controller method	QueryID
Inquire	/utl/sys/ssy/selectSynchrnServerList.do	selectSynchrnServerList	"synchrnServerDAO.selectSynchrnServerList"
			"synchrnServerDAO.selectSynchrnServerListTotCnt"

There are 10 items inquired per page on a sync target server list, with 10 pages in total. Search option is the server name.

동기화대상 서버 관리
 서버 명 :

서버ID	서버명	서버IP	동기화 여부	등록자
SSY_00000000000000025	107번 서버	192,168,100,107	Y	TEST1
SSY_00000000000000010	55번 서버	192,168,100,55	Y	TEST1

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### 동기화대상 파일 등록

파일 선택 : 
선택된 파일 없음

### 동기화대상 파일 목록

<input type="checkbox"/>	순번	파일명
<input type="checkbox"/>	1	Test1.java

Inquiry: It is to inquire the registered sync target server list.

Registration: Using the **Register button** to move to the **Sync Target Server Registration** screen in order to register a sync target server.

Detail Inquiry: Select a **Server ID** to view the detailed sync target server information and to move to the **Detail Inquiry of the Sync Target Server Information** screen.

Register Sync Target File: It is to register a target **file** to be synchronized.

Delete Sync Target File: It is to delete the sync target file.

### Sync Target Server Registration

Action	URL	Controller method	QueryID
Save	/utl/sys/ssy/addSynchrnServer.do	insertSynchrnServer	"synchrnServerDAO.insertSynchrnServer"
List	/utl/sys/ssy/selectSynchrnServerList.do	selectSynchrnServerList	"synchrnServerDAO.selectSynchrnServerList"

Insert the properties information of the sync target server, and then register.

☞ 동기화대상 서버정보 등록

서버ID *	<input type="text"/>
서버명 *	<input type="text"/>
서버 IP *	<input type="text"/>
서버 Port *	<input type="text"/>
FTP ID *	<input type="text"/>
FTP 비밀번호 *	<input type="text"/>
동기화 위치 *	<input type="text"/>

저장    목록

Save: After inserting the sync target server properties to register a new sync target server, register it using the **Save button** at the lower section. **Server ID** is automatically inserted during the registration process.  
 List: It is used to move to the sync target server list inquiry screen.

**Sync Target Server Update**

Action	URL	Controller method	QueryID
Save	/utl/sys/ssy/updtSynchrnServer.do	updateSynchrnServer	"synchrnServerDAO.updateSynchrnServer"
Delete	/utl/sys/ssy/removeSynchrnServer.do	deleteSynchrnServer	"synchrnServerDAO.deleteSynchrnServer"

It is to update the sync target server properties information, and then save.

☞ 동기화대상 서버정보 수정

서버ID *	<input type="text" value="SSY_0000000000000011"/>
서버명 *	<input type="text" value="WAS 서버1"/>
서버 IP *	<input type="text" value="192.168.100.55"/>
서버 Port *	<input type="text" value="21"/>
FTP ID *	<input type="text" value="ftp01"/>
FTP 비밀번호 *	<input type="text" value="ftp01"/>
동기화 위치 *	<input type="text" value="/"/>

저장    삭제    목록

Save: After updating the sync target server properties, update it using the **Save button** at the lower section.  
 Delete: Use the **Delete button** at the lower section to delete the registered sync target server.  
 List: It is used to move to the sync target server list inquiry screen.

### Detail Inquiry of the Sync Target Server

Action	URL	Controller method	QueryID
Inquire	/utl/sys/ssy/getSynchrnServer.do	selectSynchrnServer	"synchrnServerDAO.selectSynchrnServer"

It is to inquire the sync target server properties information.

#### 동기화대상 서버정보 상세조회

서버ID *	SSY_0000000000000025
서버명 *	107번 서버
서버 IP *	192,168,100,107
서버 Port *	21
FTP ID *	ftp01
FTP 비밀번호 *	ftp01
동기화 위치 *	/

수정 삭제 목록

#### 동기화 파일 목록

순번	파일 목록	다운로드	삭제
1	Test1.java	다운로드	삭제

Update: Select the **Update button** at the lower section to update the sync target server, and then move to the sync target server update screen.

Delete: Use the **Delete button** at the lower section to delete the registered sync target server.

List: It is used to move to the sync target server list inquiry screen.

Download Sync File: The file registered in the **Sync Target Server** is downloaded to **a server where the sync target component is installed**.

Delete Sync File: It is to delete the files registered in the sync target server.

### Target Synchronization

Action	URL	Controller method	QueryID
Register Files	/utl/sys/ssy/uploadFile.do	uploadFile	
Delete Files	/utl/sys/ssy/deleteFile.do	deleteFile	
Synchronize	/utl/sys/ssy/processSynchrn.do	processSynchrn	"synchrnServerDAO.processSynchrn"

It is to synchronize the files for the registered sync target server.

동기화대상 서버 관리 서버 명 :

서버ID	서버명	서버IP	동기화 여부	등록자
SSY_00000000000000011	WAS 서버1	192.168.100.55	N	TEST1
SSY_00000000000000010	107번 서버	192.168.100.107	N	TEST1

1

동기화대상 파일 등록

파일 선택 :

동기화대상 파일 목록

<input type="checkbox"/>	파일명
<input type="checkbox"/>	1. file.jpg

Register File: It is to register the sync target file.

Delete File: It is to delete the sync target file.

Synchronize: Use the **Sync button** at the upper section to synchronize the target files for the registered sync target server.

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