

## Element Technology – Proxy Service

### Summary

**Proxy Service** provides a function to dynamically manage the proxy setting on network connection, and a network service function that enables a basic service connection (telnet, ftp and jdbc connection) logging.

### Description

- **Proxy Service** includes functions to register, update, delete and inquire proxy setting information and its list; and functions to create and inquire proxy log.

① Proxy Setting List Inquiry: It is inquire the proxy setting information in the order of the latest registration, and the search result is reflected on screen.

② Register Proxy Setting: It is to register the proxy setting information and to inquire the registration result.

③ Update Proxy Setting: It is to update the registered proxy setting information.

④ Delete Proxy Setting: It is to delete the registered proxy setting information

⑤ Detail Inquiry of the Proxy Setting: It displays the detailed proxy setting information selected from the proxy setting list.

⑥ Create Proxy Log: It is to create the connection log of a client connected via proxy setting.

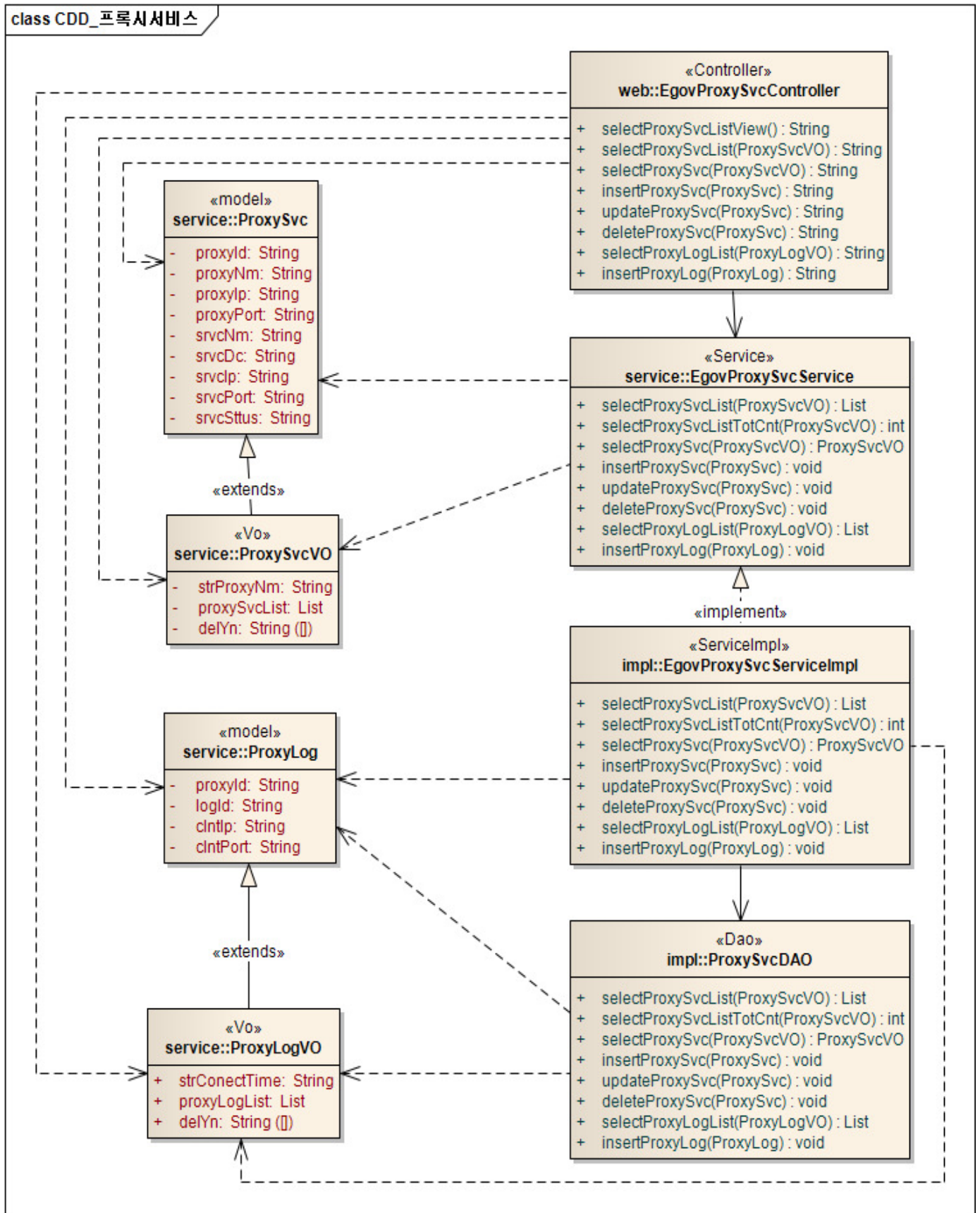
⑦ Inquire Proxy Log: It is to check the connection log of a client connected via proxy setting.

### Related Sources

Type	Corresponding Sources	Remarks
Controller	egovframework.com.utl.sys.pxy.web.EgovProxySvcController.java	Controller class for the proxy service info management
Service	egovframework.com.utl.sys.pxy.service.EgovProxySvcService.java	Service interface for the proxy service info management
ServiceImpl	egovframework.com.utl.sys.pxy.service.impl.EgovProxySvcServiceImpl.java	Service implementation class for the proxy service info management
DAO	egovframework.com.utl.sys.pxy.service.impl.ProxySvcDAO.java	Data processing class for the proxy service info management
Model	egovframework.com.utl.sys.pxy.service.ProxySvc.java	Model class for the proxy service info management
Model	egovframework.com.utl.sys.pxy.service.ProxyLog.java	Mmodel class for the proxy log info management
VO	egovframework.com.utl.sys.pxy.service.ProxySvcVO.java	VO class for the proxy service info management
VO	egovframework.com.utl.sys.pxy.service.ProxyLogVO.java	VO class for the proxy log info management
JSP	/WEB-INF/jsp/egovframework/utl/sys/pxy/EgovProxySvcList.jsp	jsp page for the proxy setting list inquiry
JSP	/WEB-INF/jsp/egovframework/utl/sys/pxy/EgovProxySvcDetail.jsp	jsp page for the detail inquiry of the proxy setting
JSP	/WEB-INF/jsp/egovframework/utl/sys/pxy/EgovProxySvcRegist.jsp	jsp page for register the proxy setting
JSP	/WEB-INF/jsp/egovframework/utl/sys/pxy/EgovProxySvcUpdt.jsp	jsp page for update the proxy setting

XML	/egovframework/sqlmap/com/utl/sys/pxy/EgovProxySvc_SQL_*.xml	Proxy service info management QUERY XML
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**Class Diagram**



**Related Tables**

<b>Table Name</b>	<b>Table Name(English)</b>	<b>Remarks</b>
Proxy Information	COMTNPROXYINFO	It manages the proxy setting on network connection.
Proxy Log Information	COMTNPROXYLOGINFO	It manages the proxy connection log.

**Related Screens & Action Manuals**

**Proxy Setting List Inquiry**

<b>Action</b>	<b>URL</b>	<b>Controller method</b>	<b>QueryID</b>
Inquire	/utl/sys/pxy/selectProxySvcList.do	selectProxySvcList	"proxySvcDAO.selectProxySvcList"
			"proxySvcDAO.selectProxySvcListTotCnt"

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


**프록시설정 관리**    
 프록시명 :     
   

프록시ID	프록시명	프록시Port	대상서비스명	서비스IP/Port	상태
PXY_00000000000000025	개발 FTP 서비스	9996	FTP 서비스	192.168.100.107:21	중지
PXY_00000000000000003	Telnet 서비스	9998	Telnet 서비스	192.168.100.55:23	중지
PXY_00000000000000002	프록시 FTP 서비스	9997	FTP 서비스	192.168.100.55:21	중지

Inquiry: It is to inquire the registered proxy setting list.

Registration: Using the **Register button** to move to the **Proxy Setting Registration** screen in order to register a proxy setting information.

Detail Inquiry: Select a **Proxy ID** to view the detailed proxy setting information and to move to the **Detail Inquiry of the Proxy Setting** screen.

**Proxy Setting Registration**

<b>Action</b>	<b>URL</b>	<b>Controller method</b>	<b>QueryID</b>
Save	/utl/sys/pxy/addProxySvc.do	insertProxySvc	"proxySvcDAO.insertSynchrnServer"
List	/utl/sys/pxy/selectProxySvcList.do	selectProxySvcList	"proxySvcDAO.selectProxySvcList"

Insert the properties information of the proxy setting, and then register.

## 프록시설정 등록

프록시ID *	<input type="text"/>
프록시명 *	<input type="text"/>
프록시IP *	<input type="text"/>
프록시Port *	<input type="text"/>
대상서비스명 *	<input type="text"/>
서비스설명	<input type="text"/>
서비스IP *	<input type="text"/>
서비스Port *	<input type="text"/>
서비스상태 *	<input type="text" value="정상"/>

저장

목록

**Save:** After inserting the proxy setting information properties to register a new proxy setting information, register it using the **Save button** at the lower section. **Proxy ID** is automatically inserted during the registration process.

**List:** It is used to move to the proxy setting list inquiry screen.

## Proxy Setting Update

Action	URL	Controller method	QueryID
Save	/utl/sys/pxy/updtProxySvc.do	updateProxySvc	"proxySvcDAO.updateProxySvc"
Delete	/utl/sys/pxy/removeProxySvc.do	deleteProxySvc	"proxySvcDAO.deleteProxySvc"

It is to update the proxy setting properties information, and then save.

When the **service status** is **normal**, the proxy service performs a monitoring log of the client connection, and when **disconnected**, the operation stops.

🔍 프록시설정 수정

프록시ID *	<input type="text" value="PXY_00000000000000025"/>
프록시명 *	<input type="text" value="개발 FTP 서비스"/>
프록시IP *	<input type="text" value="192.168.100.107"/>
프록시Port *	<input type="text" value="9996"/>
대상서비스명 *	<input type="text" value="FTP 서비스"/>
서비스설명	<input type="text" value="FTP 서비스"/>
서비스IP *	<input type="text" value="192.168.100.107"/>
서비스Port *	<input type="text" value="21"/>
서비스상태 *	<input type="text" value="중지"/>

Save: After updating the proxy setting information properties, update it using the **Save button** at the lower section.

Delete: Use the **Delete button** at the lower section to delete the registered proxy setting information.

List: It is used to move to the proxy setting info list inquiry screen.

**Detail Inquiry of the Proxy Setting**

Action	URL	Controller method	QueryID
Inquire	/utl/sys/pxy/getProxySvc.do	selectProxySvc	"proxySvcDAO.selectProxySvc"

It displays the detailed proxy setting information selected from the proxy setting list.

🔍 프록시설정 상세조회

프록시ID *	PXY_0000000000000025
프록시명 *	개발 FTP 서비스
프록시IP *	192.168.100.107
프록시Port *	9996
대상서비스명 *	FTP 서비스
서비스설명	FTP 서비스
서비스IP *	192.168.100.107
서비스Port *	21
서비스상태 *	중지

Update: Select the **Update button** at the lower section to update the proxy setting information, and then move to the proxy setting update screen.

Delete: Use the **Delete button** at the lower section to delete the registered proxy setting information.

List: It is used to move to the proxy setting list inquiry screen.

**Proxy Log Inquiry**

Action	URL	Controller method	QueryID
Inquire	/utl/sys/pxy/selectProxyLogList.do	selectProxyLogList	"proxySvcDAO.selectProxyLogList"
			"proxySvcDAO.selectProxyLogListTotCnt"

When a Client connects to the proxy service IP/Port, the log is created and such log can be inquired.

프록시ID	대상서비스	프록시Port	클라이언트IP	접속일시
PXY_000000000000000002	프록시 FTP 서비스	9997	192.168.200.21	2010-09-20 12:12:21
PXY_000000000000000002	프록시 FTP 서비스	9997	192.168.100.107	2010-09-20 12:10:55
PXY_000000000000000002	프록시 FTP 서비스	9997	192.168.100.107	2010-09-20 12:10:54
PXY_000000000000000002	프록시 FTP 서비스	9997	192.168.100.107	2010-09-20 12:08:50
PXY_000000000000000002	프록시 FTP 서비스	9997	192.168.100.107	2010-09-20 12:08:49
PXY_000000000000000003	Telnet 서비스	9998	192.168.200.21	2010-09-20 12:08:18
PXY_000000000000000003	Telnet 서비스	9998	192.168.100.107	2010-09-20 12:07:07
PXY_000000000000000002	프록시 FTP 서비스	9997	192.168.100.107	2010-09-20 12:06:19
PXY_000000000000000002	프록시 FTP 서비스	9997	192.168.100.107	2010-09-20 12:06:18
PXY_000000000000000002	프록시 FTP 서비스	9997	192.168.100.107	2010-09-20 12:05:31

Inquiry: It is inquire the registered proxy log list.