

## Connection institution management

### Summary

This performs the function of registering and managing the information for connection institution, connection system, and connection service.

### Description

### Package Dependency

Connection institution management package has direct functional dependency only for the common package (cmm) of element technology. However, in order to be executed without error during the component distribution, the distribution file is constituted with the connection message management, system connection management, connection status management, and calendar package in accordance with the dependency between packages.

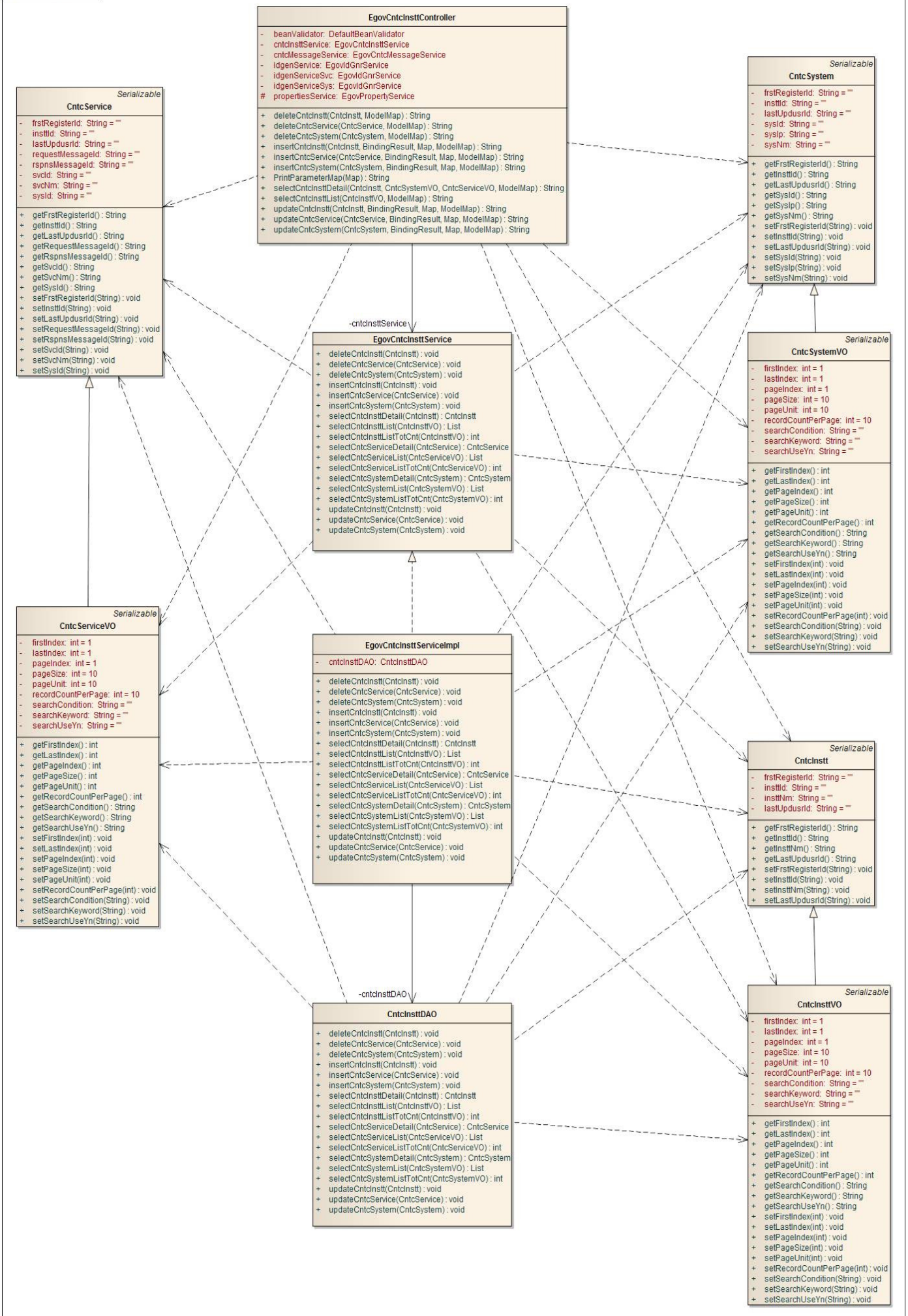
- //Dependency between packages: [System management Package Dependency](#)

### Related Source

Type	Name of Corresponded Source	Remarks
Controller	egovframework.com.ssi.syi.iis.web.EgovCntcInsttController.java	Controller class for connection institution management
Service	egovframework.com.ssi.syi.iis.service.EgovCntcInsttService.java	Service interface for connection institution management
ServiceImpl	egovframework.com.ssi.syi.iis.service.impl.EgovCntcInsttServiceImpl.java	Service implementation class for connection institution management
Model	egovframework.com.ssi.syi.iis.service.CntcInstt.java	Model class for connection institution information
Model	egovframework.com.ssi.syi.iis.service.CntcSystem.java	Model class for connection system information
Model	egovframework.com.ssi.syi.iis.service.CntcService.java	Model class for connection service information
VO	egovframework.com.ssi.syi.iis.service.CntcInsttVO.java	VO class for connection institution management
VO	egovframework.com.ssi.syi.iis.service.CntcSystemVO.java	VO class for connection system management
VO	egovframework.com.ssi.syi.iis.service.CntcServiceVO.java	VO class for connection service management
DAO	egovframework.com.ssi.syi.iis.service.impl.CntcInsttDAO.java	Data processing class for connection institution information management
JSP	/WEB-INF/jsp/egovframework/com/ssi/syi/iis/EgovCntcInsttList.jsp	Page for connection

		institution list inquiry
JSP	/WEB-INF/jsp/egovframework/com/ssi/syi/iis/EgovCntcInsttRegist.jsp	Page for connection institution registration
JSP	/WEB-INF/jsp/egovframework/com/ssi/syi/iis/EgovCntcSystemRegist.jsp	Page for connection system registration
JSP	/WEB-INF/jsp/egovframework/com/ssi/syi/iis/EgovCntcServiceRegist.jsp	Page for connection service registration
JSP	/WEB-INF/jsp/egovframework/com/ssi/syi/iis/EgovCntcInsttUpdt.jsp	Page for connection institution update
JSP	/WEB-INF/jsp/egovframework/com/ssi/syi/iis/EgovCntcSystemUpdt.jsp	Page for connection system update
JSP	/WEB-INF/jsp/egovframework/com/ssi/syi/iis/EgovCntcServiceUpdt.jsp	Page for connection service update
JSP	/WEB-INF/jsp/egovframework/com/ssi/syi/iis/EgovCntcInsttDetail.jsp	Page for connection institution detailed inquiry
QUERY XML	resources/egovframework/sqlmap/com/ssi/syi/iis/EgovCntcInstt_SQL_Mysql.xml	QUERY XML for connection institution management MySQL
QUERY XML	resources/egovframework/sqlmap/com/ssi/syi/iis/EgovCntcInstt_SQL_Oracle.xml	QUERY XML for connection institution management Oracle
QUERY XML	resources/egovframework/sqlmap/com/ssi/syi/iis/EgovCntcInstt_SQL_Tibero.xml	QUERY XML for connection institution management Tibero
QUERY XML	resources/egovframework/sqlmap/com/ssi/syi/iis/EgovCntcInstt_SQL_Altibase.xml	QUERY XML for connection institution management Altibase
Validator Rule XML	resources/egovframework/validator/validator-rules.xml	Validator Rule defined XML
Validator XML	resources/egovframework/validator/com/ssi/syi/iis/EgovCntcInstt.xml	Connection institution management Validator XML
Message properties	resources/egovframework/message/com/message-common_ko_KR.properties	Connection institution management Message properties
Idgen XML	resources/egovframework/spring/context-idgen.xml	Connection message management Id generation Idgen XML

## Class Diagram



## ID Generation

### ID Generation related DDL & DML

- In order to utilize the ID Generation Service, the **INSTT\_ID**, **SYS\_ID**, **SVC\_ID** item shall be added to the COMTECOPSEQ which is the Sequence save table.

```
CREATE TABLE COMTECOPSEQ (  
    TABLE_NAME VARCHAR(16) NOT NULL,  
    NEXT_ID DECIMAL(30,0) NOT NULL,  
    PRIMARY KEY (TABLE_NAME)  
);
```

```
INSERT INTO COMTECOPSEQ VALUES('INSTT_ID','0');  
INSERT INTO COMTECOPSEQ VALUES('SYS_ID', '0');  
INSERT INTO COMTECOPSEQ VALUES('SVC_ID', '0');
```

### ID Generation Environment Setup (context-idgen.xml)

```
<!-- Connection institution -->  
<bean name="egovCntcInsttIdGnrService"  
    class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"  
    destroy-method="destroy">  
    <property name="dataSource" ref="egov.dataSource" />  
    <property name="strategy" ref="egovCntcInsttIdMsgstrategy" />  
    <property name="blockSize" value="1"/>  
    <property name="table" value="COMTECOPSEQ"/>  
    <property name="tableName" value="INSTT_ID"/>  
</bean>  
<bean name="egovCntcInsttIdMsgstrategy"  
    class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl">  
    <property name="prefix" value="INS" />  
    <property name="cipers" value="5" />  
    <property name="fillChar" value="0" />  
</bean>  
  
<!-- Connection system -->  
<bean name="egovCntcSystemIdGnrService"  
    class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"  
    destroy-method="destroy">  
    <property name="dataSource" ref="egov.dataSource" />  
    <property name="strategy" ref="egovCntcSystemIdMsgstrategy" />  
    <property name="blockSize" value="1"/>  
    <property name="table" value="COMTECOPSEQ"/>  
    <property name="tableName" value="SYS_ID"/>  
</bean>  
<bean name="egovCntcSystemIdMsgstrategy"  
    class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl">  
    <property name="prefix" value="SYS" />  
    <property name="cipers" value="5" />  
    <property name="fillChar" value="0" />  
</bean>  
  
<!-- Connection service -->  
<bean name="egovCntcServiceIdGnrService"  
    class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"  
    destroy-method="destroy">  
    <property name="dataSource" ref="egov.dataSource" />  
    <property name="strategy" ref="egovCntcServiceIdMsgstrategy" />  
    <property name="blockSize" value="1"/>
```

```

        <property name="table"           value="COMTECOPSEQ"/>
        <property name="tableName"      value="SVC_ID"/>
    </bean>
    <bean name="egovCntcServiceIdMsgstrategy"
        class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl">
        <property name="prefix" value="SVC" />
        <property name="cipers" value="5" />
        <property name="fillChar" value="0" />
    </bean>

```

## Related Table

Name of table	Name of table (English)	Remarks
Connection institution	COMTNCNTCINSTT	Information for connection institution
Connection system	COMTNCNTCSYSTEM	Information for connection system
Connection service	COMTNCNTCSERVICE	Information for connection service

## Related Functions

Connection institution management is comprised of the **connection institution management list inquiry, connection institution management registration, connection institution management update, connection institution management detailed inquiry, connection system registration, connection system update, connection service registration** and **connection service update** functions.

### Connection institution list inquiry

#### Business Rule

Connection institution list is inquired with the unit of 10 cases per page, and paging is realized with the unit of 10 pages.  
Search condition is performed for the connection institution name.

#### Related Code

N/A

#### Screen and execution manual

Action	URL	Controller method	QueryID
List inquiry	/ssi/syi/iis/getCntcInsttList.do	selectCntcInsttList	"CntcInsttDAO.selectCntcInsttList"

In the case of changing the search range per page, change the pageUnit, pageSize of context-properties.xml file. (However, corresponding setup exerts influence to the entire common service functions.)

순번	기관ID	기관명
1	INS00000	소방방재청
2	INS00002	조달청
3	INS00004	국방부
4	INS00007	우리은행
5	test001	테스트기관001
6	기관001	테스트기관001
7	기관003	기관003

Inquiry: For inquiring, click the inquiry button after selecting the search condition at the top and inputting the corresponding search character.

Registration: For registration, move to **connection institution registration** screen through the registration button at the top.

List click: Move to the **connection institution detailed inquiry** screen. **detailed inquiry** screen.

### Connection institution registration

#### Business Rule

Register detailed contents for connection institution. If registration is succeeded, move to the **connection institution list** screen. In the case of the connection institution registration, the **connection institution, connection system, connection service, connection message, and connection message item** shall be registered in advance as the precedent work.

#### Related Codes

N/A

#### Screen and execution manual

Action	URL	Controller method	QueryID
Registration	/ssi/syi/iis/addCntcInstt.do	insertCntcInstt	"CntcInsttDAO.insertCntcInstt"

### 연계기관 등록

기관ID *	<input type="text"/>
기관명 *	<input type="text"/>

목록 저장

List: Move to the **connection institution list** screen.

Save: Inputted connection institution information is saved.

### Connection institution update

#### Business Rule

If modification is succeeded, it is moved to the **connection institution list** screen.

## Related Codes

N/A

## Screen and execution manual

Action	URL	Controller method	QueryID
Update	/ssi/syi/iis/updateCntcInstt.do	updateCntcInstt	"CntcInsttDAO.updateCntcInstt"

### 연계기관 수정

기관ID *	INS00002
기관명 *	<input type="text" value="조달청"/>

목록

저장

Save: Updated information is saved.

List: Move to the **connection institution list** screen.

## Connection institution detailed inquiry

### Business Rule

Deletion processing is included in the detailed inquiry, and if deletion is succeeded, it is moved to the **connection institution list** screen.

## Related Codes

N/A

## Screen and execution manual

Action	URL	Controller method	QueryID
Detailed inquiry	/ssi/syi/iis/getCntcInsttDetail.do	selectCntcInsttDetail	"CntcInsttDAO.selectCntcInsttDetail"
Connection institution deletion	/ssi/syi/iis/removeCntcInstt.do	deleteCntcInstt	"CntcInsttDAO.deleteCntcInstt"
Connection system deletion	/ssi/syi/iis/removeCntcSystem.do	deleteCntcSystem	"CntcInsttDAO.deleteCntcSystem"
Connection service deletion	/ssi/syi/iis/removeCntcService.do	deleteCntcService	"CntcInsttDAO.deleteCntcService"

연계기관 상세조회

연계기관ID \* INS00002

연계기관명 \* 조달청

수정

삭제

목록

연계시스템

연계시스템등록

연계시스템		연계서비스			
순번	1				
시스템ID	SYS00003				
시스템명	메일서버				
시스템IP	111.111.111.111				
<input type="button" value="수정"/> <input type="button" value="삭제"/> <input type="button" value="연계서비스등록"/>					
		서비스명	요청메시지	응답메시지	처리
		연계서비스1	연계메시지명등록	연계메시지명등록	<input type="button" value="수정"/> <input type="button" value="삭제"/>
순번	2				
시스템ID	SYS00004				
시스템명	검색서버				
시스템IP	222.222.222.222				
<input type="button" value="수정"/> <input type="button" value="삭제"/> <input type="button" value="연계서비스등록"/>					
		서비스명	요청메시지	응답메시지	처리
		연계서비스2	연계메시지명 테스트		<input type="button" value="수정"/> <input type="button" value="삭제"/>
		물품코드	연계메시지명등록	연계메시지명등록	<input type="button" value="수정"/> <input type="button" value="삭제"/>
순번	3				
시스템ID	SYS00009				
시스템명	연계시스템 등록 ?				
시스템IP	11.111.11.43				
<input type="button" value="수정"/> <input type="button" value="삭제"/> <input type="button" value="연계서비스등록"/>					
		서비스명	요청메시지	응답메시지	처리

Connection system registration

In the case of the connection message registration, the **connection system**, **connection system**, **connection service**, **connection message**, and **connection message item** shall be registered in advance as the precedent work.

Business Rule

Menu information is saved after the change.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID	
Registration	/ssi/syi/iis/addCntcSystem.do	EgovCntcInsttController	insertCntcSystem	/ssi/syi/iis/EgovCntcSystemRegist

Register detailed contents for connection system. If registration is succeeded, it is moved to the **connection institution details** screen.



## 연계시스템 등록

기관 *	소방방재청
시스템ID *	
시스템명 *	
시스템IP	

[목록](#) [저장](#)

List: Move to the **connection system list** screen.  
Save: Inputted connection system information is saved.

### Connection system update

#### Business Rule

Menu information is saved after the change.

#### Related Codes

N/A

#### Screen and execution manual

Action	URL	Controller method	QueryID	
Update	/ssi/syi/iis/updateCntcSystem.do	EgovCntcInsttController	updateCntcSystem	/ssi/syi/iis/EgovCntcSystemUpdate

If modification is succeeded, move to the **connection institution details** screen.

## 연계시스템 수정

기관 *	조달청
시스템ID *	SYS00003
시스템명 *	메일서버
시스템IP	111.111.111.111

[목록](#) [저장](#)

Save: Updated information is saved.  
List: Move to the **connection system list** screen.

### Connection service registration

#### Business Rule

Register detailed contents for connection service. If registration is succeeded, move to the **connection institution details** screen. In the case of the connection service registration, the **connection service**, **connection service**, **connection service**, **connection message**, and **connection message item** shall be registered in advance as the precedent work.

#### Related Code

N/A

## Screen and execution manual

Action	URL	Controller method	QueryID
Registration	/ssi/syi/iis/addCntcService.do	insertCntcService	"CntcInsttDAO.insertCntcService"

### 연계서비스 등록

기관 *	연계기관등록
시스템 *	연계시스템등록
서비스ID *	
서비스명 *	
요청메시지ID	연계메시지명등록
응답메시지ID	연계메시지명등록

[목록](#) [저장](#)

List: Move to the **connection service list** screen.  
Save: Inputted connection service information is saved.

## Connection service update

### Business Rule

If modification is succeeded, move to the **connection institution details** screen.

### Related Codes

N/A

## Screen and execution manual

Action	URL	Controller method	QueryID
Update	/ssi/syi/iis/updateCntcService.do	updateCntcService	"CntcInsttDAO.updateCntcService"

### 연계서비스 수정

기관 *	조달청
시스템 *	검색서버
서비스ID *	SVC00022
서비스명 *	물품코드
요청메시지ID	연계메시지명등록
응답메시지ID	연계메시지명등록

[목록](#) [저장](#)

Save: Updated information is saved.  
List: Move to the **connection service list** screen.