

Email Solution Connection Interface

Summary

This service provides a standard interface for connecting to the Email Solution. This does not handle the outgoing emails itself, but it relays such emails to the email sending system in XML format, and also receive results and maintain sent/received email history.

Description

Package Dependency

The package has direct functional references to the element technology's common (cmm) packages, as well as format/date/calculation, and system packages.

- Package dependency: [Package Dependency on User Directory / Central Authorization](#)

Related Sources

Sent Email History

Type	Target source name	Remarks
Controller	egovframework.com.cop.ems.web.EgovSndngMailDtIsController.java	Sent Email History Management Controller Class
Service	egovframework.com.cop.ems.service.EgovSndngMailDtIsService.java	Sent Email History Service Class
ServiceImpl	egovframework.com.cop.ems.service.impl.EgovSndngMailDtIsServiceImpl.java	Sent Email History ServiceImpl Class
Model	egovframework.com.cop.ems.service.SndngMail.java	Sent Email History Model Class
VO	egovframework.com.cop.ems.service.SndngMailVO.java	Sent Email History VO Class
DAO	egovframework.com.cop.ems.service.impl.SndngMailDtIsDAO.java	Sent Email History Dao Class
JSP	/WEB-INF/jsp/egovframework/com/cop/ems/EgovMailDtIs.jsp	Sent Email History page
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailDtIs_SQL_Mysql.xml	Sent Email History MySQL QUERY XML
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailDtIs_SQL_Oracle.xml	Sent Email History Oracle QUERY XML
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailDtIs_SQL_Tibero.xml	Sent Email History Tibero QUERY XML
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailDtIs_SQL_Altibase.xml	Sent Email History Altibase QUERY XML
Validator	resources/egovframework/validator/validator-rules.xml	XML defining

Rule XML		Validator Rule
Validator XML	resources/egovframework/validator/com/cop/ems/EgovMailRegist.xml	Email Solution Connection Interface Validator XML
Message properties	resources/egovframework/message/com/message-common_ko_KR.properties	Schedule Management Message properties

Sent Email Registration

Type	Target source name	Remarks
Controller	egovframework.com.cop.ems.web.EgovSndngMailRegistController.java	Sent Email Register Management Controller Class
Service	egovframework.com.cop.ems.service.EgovSndngMailRegistService.java	Sent Email Register Management Service Class
ServiceImpl	egovframework.com.cop.ems.service.impl.EgovSndngMailRegistServiceImpl.java	Sent Email Register Management ServiceImpl Class
Model	egovframework.com.cop.ems.service.SndngMail.java	Sent Email Model Class
VO	egovframework.com.cop.ems.service.SndngMailVO.java	Sent Email VO Class
VO	egovframework.com.cop.ems.service.AtchmnFileVO.java	Sent Email attachments VO Class
DAO	egovframework.com.cop.ems.service.impl.SndngMailRegistDAO.java	Sent Email Register Dao Class
JSP	/WEB-INF/jsp/egovframework/com/cop/ems/EgovMailRegist.jsp	Sent Email Register page
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailRegist_SQL_Mysql.xml	Sent Email Register MySQL QUERY XML
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailRegist_SQL_Oracle.xml	Sent Email Register Oracle QUERY XML
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailRegist_SQL_Tibero.xml	Sent Email Register Tibero QUERY XML
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailRegist_SQL_Altibase.xml	Sent Email Register Altibase QUERY XML

Validator Rule XML	resources/egovframework/validator/validator-rules.xml	XML defining Validator Rule
Validator XML	resources/egovframework/validator/com/cop/ems/EgovMailRegist.xml	Email Solution Connection Interface Validator XML
Idgen XML	resources/egovframework/spring/context-idgen.xml	Sent Email Idgen XML

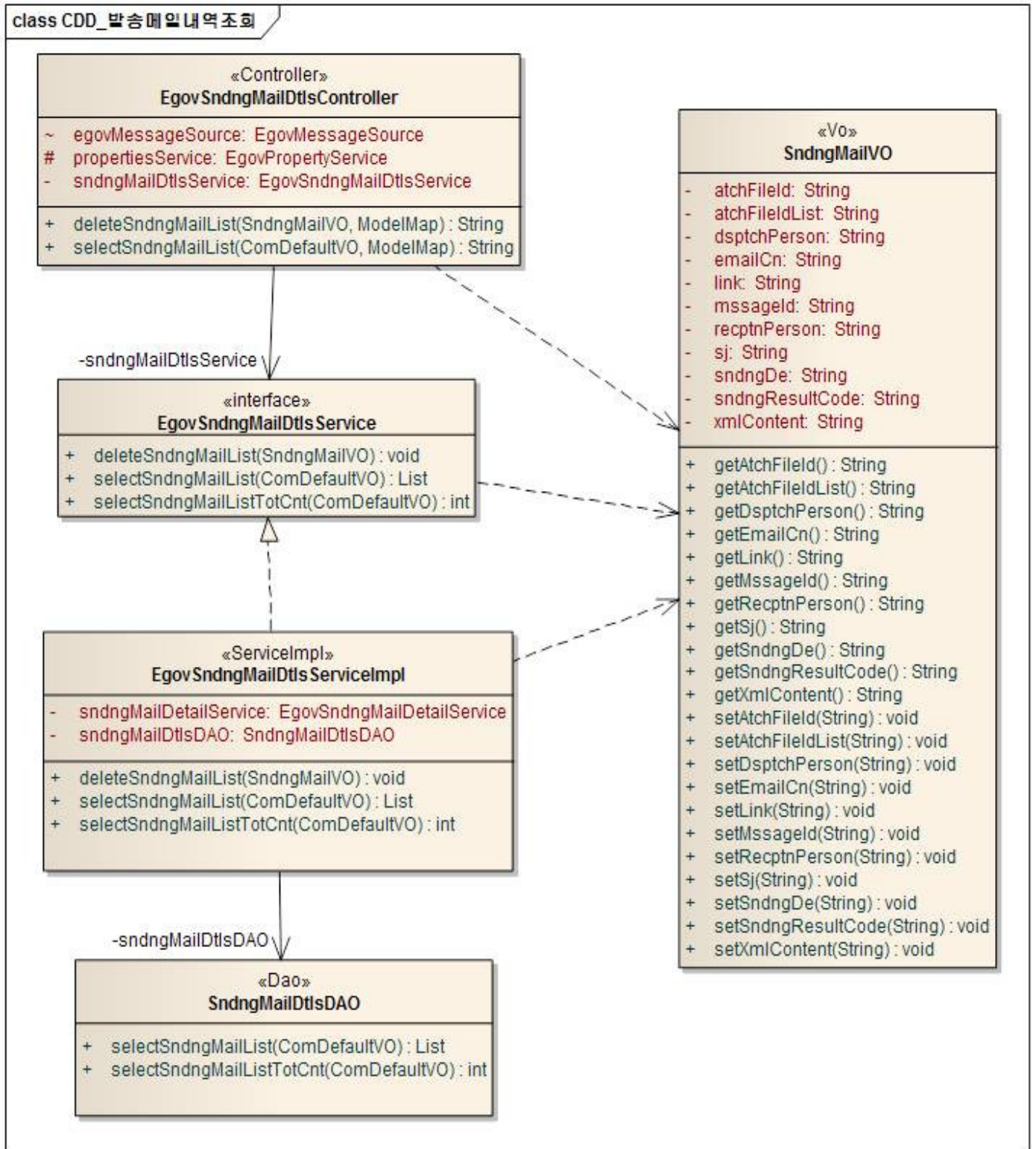
Sent Email Details

Type	Target source name	Remarks
Controller	egovframework.com.cop.ems.web.EgovSndngMailDetailController.java	Sent Email Details Management Controller Class
Service	egovframework.com.cop.ems.service.EgovSndngMailDetailService.java	Sent Email Details Service Class
Service	egovframework.com.cop.ems.service.EgovSndngMailService.java	Service Class for relaying emails to be sent to Email Solution
ServiceImpl	egovframework.com.cop.ems.service.impl.EgovSndngMailDetailServiceImpl.java	Sent Email Details ServiceImpl Class
ServiceImpl	egovframework.com.cop.ems.service.impl.EgovSndngMailServiceImpl.java	Sent Email ServiceImpl Class for relaying emails to be sent to Email Solution
Model	egovframework.com.cop.ems.service.SndngMail.java	Sent Email Model Class
VO	egovframework.com.cop.ems.service.SndngMailVO.java	Sent Email VO Class
DAO	egovframework.com.cop.ems.service.impl.SndngMailDetailDAO.java	Sent Email Details Dao Class
JSP	/WEB-INF/jsp/egovframework/com/cop/ems/EgovMailDetail.jsp	Sent Email Details page
JSP	/WEB-INF/jsp/egovframework/com/cop/ems/EgovMailXml.jsp	Send Request XML page
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailDetail_SQL_Mysql.xml	Sent Email Details MySQL

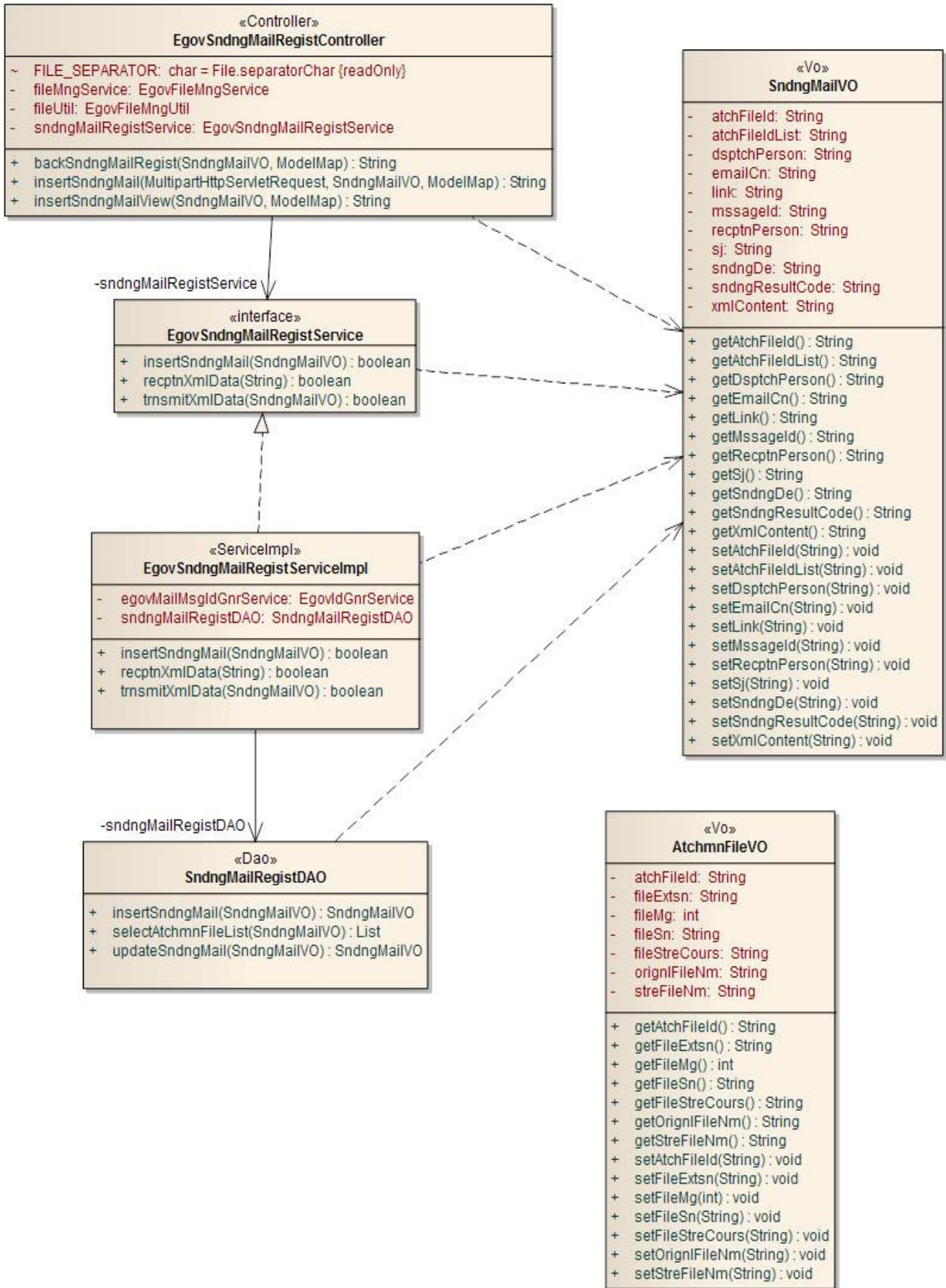
		QUERY XML
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailDetail_SQL_Oracle.xml	Set Email Details Oracle QUERY XML
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailDetail_SQL_Tibero.xml	Sent Email Details Tibero QUERY XML
QUERY XML	/egovframework/sqlmap/com/cop/ems/EgovSndngMailDetail_SQL_Altibase.xml	Sent Email Details Altibase QUERY XML
Validator Rule XML	resources/egovframework/validator/validator-rules.xml	XML defining Validator Rule
Validator XML	resources/egovframework/validator/com/cop/ems/EgovMailRegist.xml	Email Solution Connection Interface Validator XML

Class Diagram

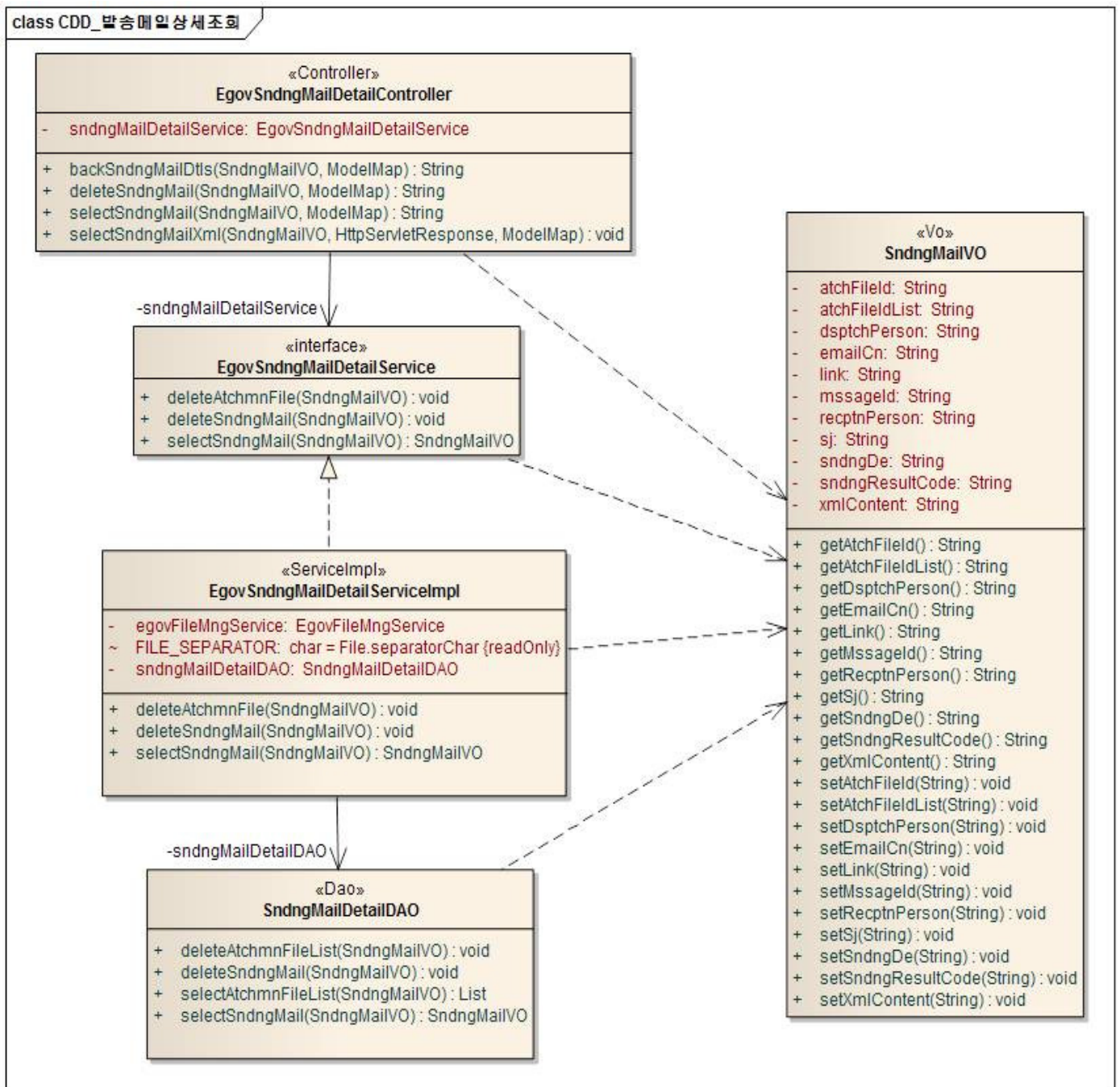
Sent Email History



Sent Email Register



Sending Email Details



ID Generation

ID Generation related DDL and DML

- To utilize ID Generation Service, you must add the **MAILMSG_ID** column to the COMTECOPSEQ Sequence table.

```
CREATE TABLE COMTECOPSEQ ( table_name varchar(16) NOT NULL,
                           next_id DECIMAL(30) NOT NULL,
                           PRIMARY KEY (table_name));
```

```
INSERT INTO COMTECOPSEQ VALUES('MAILMSG_ID','0');
```

ID Generation Configuration (context-idgen.xml)

```
<bean name="egovMailMsgIdGnrService"
      class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"
      destroy-method="destroy">
  <property name="dataSource" ref="egov.dataSource" />
  <property name="strategy" ref="mailMsgstrategy" />
  <property name="blockSize" value="10"/>
</bean>
```

```

    <property name="table"          value="COMTECOPSEQ"/>
    <property name="tableName"     value="MAILMSG_ID"/>
</bean>
<bean name="mailMsgstrategy"
    class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl">
    <property name="prefix" value="MAILMSG_" />
    <property name="cipers" value="12" />
    <property name="fillChar" value="0" />
</bean>

```

Table

Table	Name (English)	Remarks
Sent Email Management	COMTHEMAILDSPTCHMANAGE	Manages sent email.

Additional Features

Email Solution Connection Interface comprises of **Sent Email History**, **Register New Email**, and **Sent Email Details** features.

Sent Email History

Business Rule

You can access list of outgoing emails, and delete desired records via Email Solution.

Related Codes

Following are the codes that indicate sent results, and their settings value.

Type	Type name	Code ID	Code name
COM024	Send Result	R	Request
COM024	Send Result	F	Failure
COM024	Send Result	C	Success

Screen and execution manual

Action	URL	Controller method	QueryID
Sent Mail List	/ems/selectSndngMailList.do	selectSndngMailList	"SndngMailDtIsDAO.selectSndngMailList_D"
			"SndngMailDtIsDAO.selectSndngMailListTotCnt_S"

Lists search result of sent emails, searched by title, contents or sender. Checks for emails to delete, and handles them.

<input type="checkbox"/>	상태	발신자	수신자	제목	날짜
<input type="checkbox"/>	발송요청	TEST1	perf@perftest.com	Performance Testing	2009-04-20
<input type="checkbox"/>	발송요청	TEST1	perf@perf.test.com	Perfomance Testing	2009-04-20
<input type="checkbox"/>	발송요청	TEST1	perf@perf.test.com	Perfomance Testing	2009-04-20
<input type="checkbox"/>	발송요청	TEST1	test@test.com	성능테스트	2009-04-20
<input type="checkbox"/>	발송요청	webmaster	king@king.com	[MOPAS] 임시 비밀번호를 발송했습니다.	2009-04-17
<input type="checkbox"/>	발송요청	TEST1	bakle@nate.com	perf	2009-04-16
<input type="checkbox"/>	발송요청	TEST1	king@naver.com	성능테스트	2009-04-16
<input type="checkbox"/>	발송요청	webmaster	Perf_001@test.com	[MOPAS] 임시 비밀번호를 발송했습니다.	2009-04-16

Search category: choose from title, contents, or sender.
 Keyword: enter desired keyword.
 Search: search the email list with given criteria.
 Register: proceed to Send New Email screen.
 Delete: deletes selected emails.

Sent Email Register

Business Rule

You can register emails to be sent by the Email Solution by entering the recipient, title, attachment, and body of the message.

Related Codes

Following are the codes used for results, and the settings values.

Type	Type name	Code ID	Code name
COM024	Send result	R	Requested
COM024	Send result	F	Failed
COM024	Send result	C	Succeeded

Screen and execution manual

Action	URL	Controller method	QueryID
Register Email screen	/cop/ems/insertSndngMailView.do	insertSndngMailView	
Register Email	/cop/ems/insertSndngMail.do	insertSndngMail	"sndngMailRegistDAO.insertSndngMail"

You can register new email that contains sender, recipient, title, attachment, and message body.

발송메일 등록

뒤로 등록

Recipient: enter recipient's email address.
 Title: enter email title.

Attachment: add attachments, one at a time.
 Body: enter message in text or HTML format.
 Back: return to the Sent Email History page.
 Register: register and request email to be sent.

Sent Email Details

Business Rule

You can see details of registered emails to be sent, and optionally delete them.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Email Details	/cop/ems/selectSndngMailDetail.do	selectSndngMail	"sndngMailDetailDAO.selectSndngMail"
Delete Email	/cop/ems/deleteSndngMail.do	deleteSndngMail	"sndngMailDetailDAO.deleteSndngMail"
Delete Attachment	/cop/ems/deleteSndngMail.do	deleteSndngMail	"sndngMailDetailDAO.deleteAtchmnFileList"

Access details of sender, recipient, title, contents, sent result, XML contents, attachments information.
 Delete emails.

발송메일 상세조회

보내는사람	webmaster
받는사람	test@test.com
제목	메일등록 테스트입니다.
발신 내용	<p>Here is some sample text: bold, <i>italic</i>, <u>underline</u>.</p> <p>Different fonts, sizes and colors (all in bold):</p> <p>arial, courier new, georgia, tahoma, times new roman, verdana, tahoma</p> <p>Click on this link and then on the link button to the details ... OR ... select some text and click link to create a new link.</p>
발송 결과	발송요청
XML메일보기	MAILMSG_000000006601.xml
첨부파일	sndngmail1.jpg [44208 byte]

뒤로 삭제

View XML Email: open contents of email request files in XML format.
 Attachments: open or save attachment files.
 Back: return to the sent email list screen.
 Delete: delete email information as well as related XML files and attachments.