

## Banner Management

### Summary

**Banner Management** provides the function to reflect the banner image in the main screen and to move to the site linked in the image if you register banner image.

### Description

**Banner Management** has the function to register, update, delete, inquire and inquire list of the banner for the purpose of registering the banner and reflecting the link to the specific site.

- ① Banner list inquiry: view the information defined as a banner in the order of recent registration and reflect the result list in the screen.
- ② Register Banner: register banner information and view the registration result.
- ③ Update Banner: update the item of banner information already registered.
- ④ Delete Banner: delete banner information already registered.
- ⑤ Inquire Banner: registered banner is shown at the banner expression location in the unit of image.

### Package Dependency

Banner management Package has direct functional dependency to the common package (cmm) of element technology.

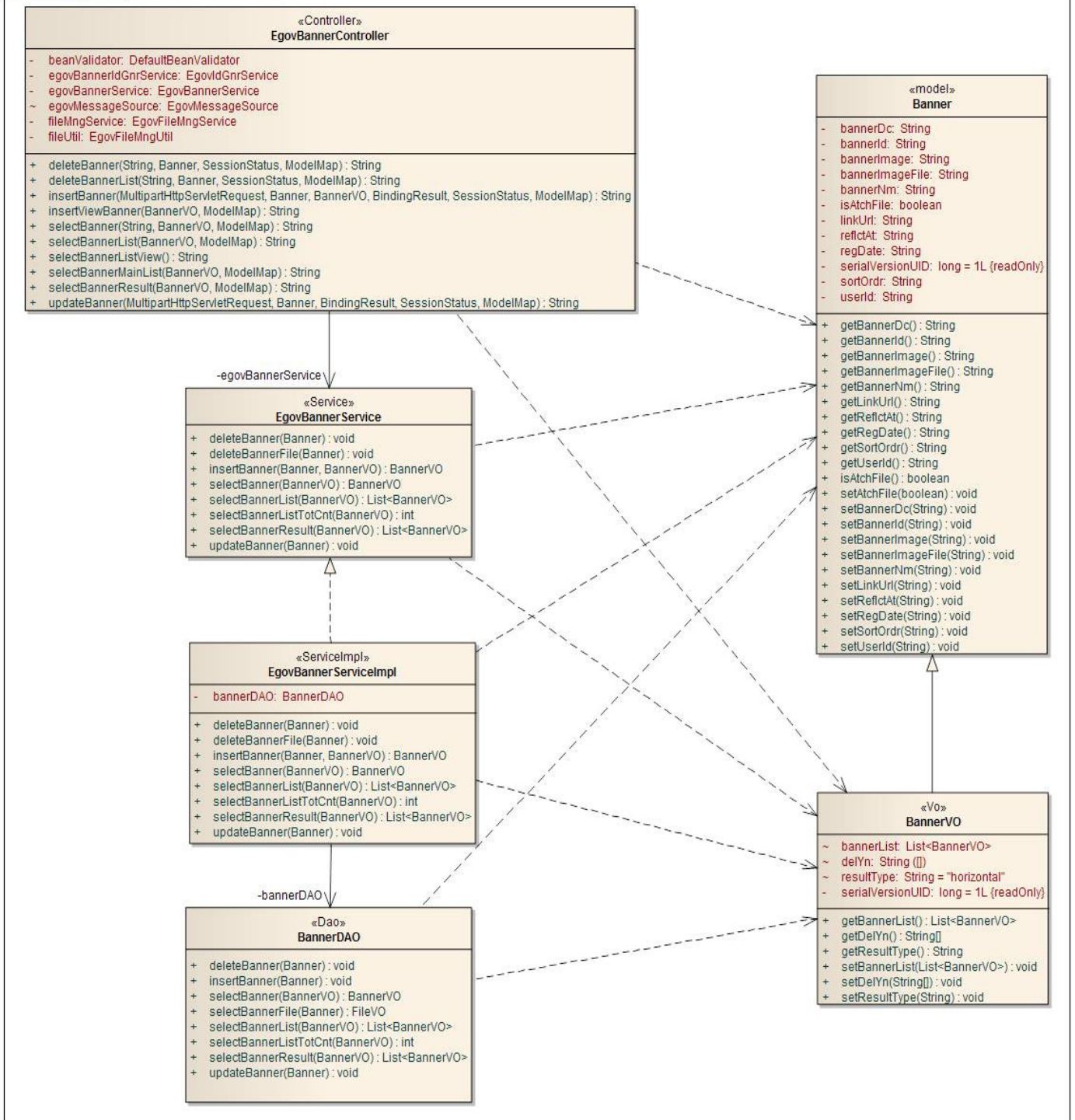
- Package Dependency: [User Support Package Dependency](#)

### Related Source

Type	Source	Remarks
Controller	egovframework.com.uss.ion.bnr.web.EgovBannerController.java	Controller class for banner management
Service	egovframework.com.uss.ion.bnr.service.EgovBannerService.java	Service interface for banner management
ServiceImpl	egovframework.com.uss.ion.bnr.service.impl.EgovBannerServiceImpl.java	Service implementation class for banner management
Model	egovframework.com.uss.ion.bnr.service.Banner.java	Model class for banner management
VO	egovframework.com.uss.ion.bnr.service.BannerVO.java	VO class for banner management
DAO	egovframework.com.uss.ion.bnr.service.impl.BannerDAO.java	Data processing class for banner management
JSP	/WEB-INF/jsp/egovframework/com/uss/ion/blr/EgovBannerList.jsp	jsp page for banner list inquiry
JSP	/WEB-INF/jsp/egovframework/com/uss/ion/blr/EgovBannerRegist.jsp	jsp page for banner registration
JSP	/WEB-INF/jsp/egovframework/com/uss/ion/blr/EgovBannerUpdate.jsp	jsp page for banner update
JSP	/WEB-INF/jsp/egovframework/com/uss/ion/blr/EgovBannerView.jsp	jsp page for reflecting registered banner
QUERY XML	resources/egovframework/sqlmap/com/uss/ion/blr/EgovBanner_SQL_Mysql.xml	QUERY XML for Oracle for banner management
QUERY	resources/egovframework/sqlmap/com/uss/ion/blr/EgovBanner_S	QUERY XML for Oracle

XML	QL_Oracle.xml	for banner management
QUERY XML	resources/egovframework/sqlmap/com/uss/ion/blr/EgovBanner_SQL_Tibero.xml	QUERY XML for Tibero for banner management
QUERY XML	resources/egovframework/sqlmap/com/uss/ion/blr/EgovBanner_SQL_Altibase.xml	QUERY XML for Altibase for banner management
Validator Rule XML	resources/egovframework/validator/validator-rules.xml	XML defining Validator Rule
Validator XML	resources/egovframework/validator/com/uss/ion/blr/EgovBanner.xml	Validator XML for banner management
Message properties	resources/egovframework/message/com/message-common_ko_KR.properties	Message properties for banner management
Idgen XML	resources/egovframework/spring/context-idgen.xml	Id creation Idgen XML for banner registration

## Class Diagram



## ID Generation

### ID Generation Related DDL and DML

- Add **BANNER\_ID** item to COMTECOPSEQ, sequence storage table, in order to utilize ID Generation Service.

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

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

### ID Generation Configuration(context-idgen.xml)

```

<bean name="egovBannerIdGnrService"
  class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"
  destroy-method="destroy">
  <property name="dataSource" ref="egov.dataSource" />
  <property name="strategy" ref="bannerIdStrategy" />
  <property name="blockSize" value="1"/>
  <property name="table" value="COMTECOPSEQ"/>
  <property name="tableName" value="BANNER_ID"/>
</bean>

<bean name="bannerIdStrategy"
  class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl">
  <property name="prefix" value="BANNER_" />
  <property name="cipers" value="13" />
  <property name="fillChar" value="0" />
</bean>

```

**Related Table**

Table Name	Table Name(English)	Remarks
Banner Information	COMTNBANNER	Define and manage property information for managing banner information.

**Related Function**

Banner management function is composed of **banner list inquiry**, **banner registration** and **banner update** function.

**Banner List Inquiry**

**Business Rule**

Banner list can be inquired 10 cases per page and paging is performed 10 pages each. Search condition is performed for banner name.

**Related Code**

N/A

**Screen and execution manual**

Action	URL	Controller method	QueryID
List Inquiry	/uss/ion/bnr/selectBannerList.do	selectBannerList	"bannerDAO.selectBannerList",
			"bannerDAO.selectBannerListTotCnt"

배너 명	링크 URL	배너 설명	반영여부
네이버 배너	http://naver.com	네이버 배너 입니다.	Y
다음	http://www.daum.net	다음 배너 입니다.	Y

Inquiry: inquire the list of banner already registered.

Register: move to **Banner Registration** screen through Register button on the top to register new banner.

### Banner Registration

#### Business Rule

Enter and register property information of banner.

#### Related Code

N/A

#### Screen and execution manual

Action	URL	Controller method	QueryID
Registration screen	/uss/ion/bnr/addViewBanner.do	insertViewBanner	
Register	/uss/ion/bnr/addBanner.do	insertBanner	"bannerDAO.insertBanner"

### 배너 등록

배너ID *	<input type="text"/>
배너명 *	<input type="text"/>
링크URL *	<input type="text"/>
배너이미지 *	<input type="button" value="파일 선택"/> 선택된 파일 없음
배너설명	<input type="text"/>
정렬순서 *	<input type="text"/>
반영여부 *	<input type="text" value="Y"/>
등록일시	<input type="text"/>

Register: to register new banner, enter the banner property and then register banner through the **Register button** on the top.

List: moves to banner list inquiry screen.

## Banner Update

### Business Rule

Change and save the property name of banner. Next screen is same as the banner detail inquiry screen.

### Related Code

N/A

### Screen and execution manual

Action	URL	Controller method	QueryID
Update	/uss/ion/bnr/updtBanner.do	updateBanner	"bannerDAO.updateBanner"

#### 배너 수정

배너ID *	<input type="text" value="BANNER_0000000000052"/>
배너명 *	<input type="text" value="네이버 배너"/>
링크URL *	<input type="text" value="http://naver.com"/>
배너이미지 *	<input type="button" value="파일 선택"/> <input type="text" value="선택된 파일 없음"/> <input type="text" value="네이버.gif"/>
배너설명	<input type="text" value="네이버 배너 입니다."/>
정렬순서 *	<input type="text" value="1"/>
반영여부 *	<input type="text" value="Y"/>
등록일시	<input type="text" value="2009-10-13 17:21:31.0"/>

Update: updates the registered banner property and then update the banner information through the **Update button** on the top.

Delete: deletes already registered banner information.

List: moves to the banner list inquiry screen.