

## Posting statistics

### Summary

Posting statistics function provides statistics for various posting status with two methods of graph and text for each period (per daily, monthly and yearly) in accordance with the type, template, and characteristics of board.

- Flow of functions

Name of function	Flow of function
Summation of posting statistics	<b>Performance of posting information summarized arrangement → Summarized information summation of posting</b>
Search of posting statistics	Input of search condition → Posting statistics search for each condition

### Description

This is the function of inquiring the number of generated writing, total number of inquiry, average number of inquiry, highest/lowest number of inquiry, posting information, and the highest posting person information in accordance with the specific search condition of posting statistics figure.

### Package Dependency

Posting statistics package has direct functional dependency for the common package (cmm) of element technology and common (sts.com) package. However, in order to be executed without error during the component distribution, the distribution file is constituted with the calendar package in accordance with the dependency between packages.

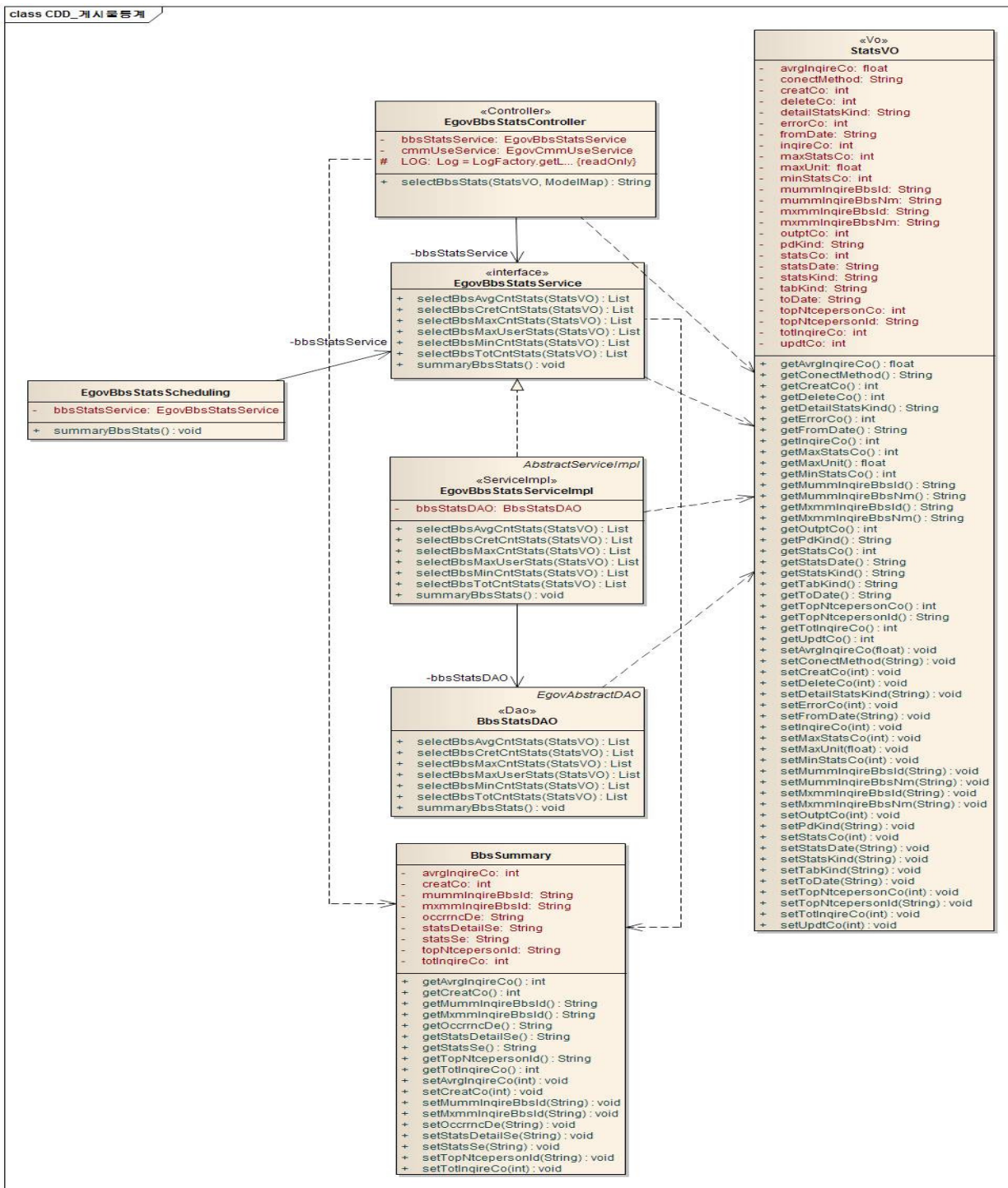
- Dependency between packages: [Statistics/reporting Package Dependency](#)

### Related Sources

Type	Name of Corresponded Source	Remarks
Controller	egovframework.com.sts.bst.web.EgovBbsStatsController.java	Controller class for posting statistics
Service	egovframework.com.sts.bst.service.EgovBbsStatsService.java	Service interface for posting statistics
ServiceImpl	egovframework.com.sts.bst.service.impl.EgovBbsStatsServiceImpl.java	Service implementation class for posting statistics
Model	egovframework.com.sts.bst.service.BbsSummary.java	Model class for posting statistics
DAO	egovframework.com.sts.bst.service.impl.BbsStatsDAO.java	Data processing class for posting statistics
Scheduling	egovframework.com.sts.bst.service.EgovBbsStatsScheduling.java	Schedule class for posting

		statistics summation
JSP	WEB_INF/jsp/egovframework/com/sts/bst/EgovBbsStats.jsp	Page for posting statistics
Query XML	resources/egovframework/sqlmap/com/sts/bst/EgovBbsStats_SQL_Mysql.xml	Query XML for MySQL for posting statistics
Query XML	resources/egovframework/sqlmap/com/sts/bst/EgovBbsStats_SQL_Oracle.xml	Query XML for Oracle for posting statistics
Query XML	resources/egovframework/sqlmap/com/sts/bst/EgovBbsStats_SQL_Tibero.xml	Query XML for Tibero for posting statistics
Query XML	resources/egovframework/sqlmap/com/sts/bst/EgovBbsStats_SQL_Altibase.xml	Query XML for Altibase for posting statistics

### Class Diagram



## Related Table

Name of table	Name of table (English)	Remarks
Summary of posting statistics	COMTSBBSSUMMARY	Manage the posting statistics information.

## Configuration

The work of summarizing the number of generated writing, total number of inquiry, average number of inquiry, the highest inquired posting, the lowest inquired posting, and the highest posting person ID information shall be configured with the form of arrangement by inquiring all postings which are generated in a day. This function is configured by utilizing the [scheduling](#) function of eGovFrame execution environment.

- Generation of work class  
(src/main/java/egovframework/com/sts/bst/service/EgovBbsStatsScheduling.java)

```

public class EgovBbsStatsScheduling {

    /** EgovBbsStatsService */
    @Resource(name = "bbsStatsService")
    private EgovBbsStatsService bbsStatsService;

    /**
     * The arrangement program which performs the summation for posting statistics with the
    unit of a day
     * @exception Exception
     */
    public void summaryBbsStats() throws Exception {
        bbsStatsService.summaryBbsStats();
    }
}

```

- Setup of work performance bean (ssrc/main/resources/egovframework/spring/com/context-scheduling-sts-bst.xml)

```

<bean id="bbsStats"
class="org.springframework.scheduling.quartz.MethodInvokingJobDetailFactoryBean">
    <property name="targetObject" ref="egovBbsStatsScheduling" />
    <property name="targetMethod" value="summaryBbsStats" />
    <property name="concurrent" value="false" />
</bean>

```

- Setup of trigger bean (ssrc/main/resources/egovframework/spring/com/context-scheduling-sts-bst.xml)

```

<bean id="bbsStatsTrigger" class="org.springframework.scheduling.quartz.SimpleTriggerBean">
    <property name="jobDetail" ref="bbsStats" />
    <!-- Execute after 2 minutes from the starting. (milisecond) -->
    <property name="startDelay" value="120000" />
    <!-- Execute every 12 hours. (milisecond) -->
    <property name="repeatInterval" value="43200000" />
</bean>

```

- Setup of scheduler bean (ssrc/main/resources/egovframework/spring/com/context-scheduling-sts-bst.xml)

```

<bean id="statsSummaryScheduler"
class="org.springframework.scheduling.quartz.SchedulerFactoryBean">
    <property name="triggers">
        <list>
            <ref bean="bbsStatsTrigger" />
        </list>
    </property>
</bean>

```

## Related functions

### Posting statistics

### Business rule

Posting statistics data is inquired through the posting summary information which is summed up with the unit of a day after being generated from board, club, community, etc.

### Related Code

N/A

## Screen and execution manual

Action	URL	Controller method	QueryID
Statistics search for the number of generated posting writing	/sts/bst/selectBbsStats.do	selectBbsStats	"BbsStatsDAO.selectBbsCretCntStats"
Statistics search for total inquiry number of posting	/sts/bst/selectBbsStats.do	selectBbsStats	"BbsStatsDAO.selectBbsTotCntStats"
Statistics search for average inquiry number of posting	/sts/bst/selectBbsStats.do	selectBbsStats	"BbsStatsDAO.selectBbsAvgCntStats"
Information search for the highest inquiry posting	/bst/sts/selectBbsStats.do	selectBbsStats	"BbsStatsDAO.selectBbsMaxCntStats"
Information search for the lowest inquiry posting	/bst/sts/selectBbsStats.do	selectBbsStats	"BbsStatsDAO.selectBbsMinCntStats"
Information search for the person with the highest number of posting	/sts/bst/selectBbsStats.do	selectBbsStats	"BbsStatsDAO.selectBbsMaxUserStats"

### 게시물 통계 검색

기간:  
 기간구분: 
 통계구분:

### 생성글수 통계 결과

#### 그래프 (단위, 개)

2009-03-20  9 개

#### 텍스트 (단위, 개)

2009-03-20 9 개

Period: Input the start-end period for which statistics search will be performed.

Classification of period: Select the form of statistics for each period of year, month, and day.

Classification of statistics: Select the classification for each type of board, board template, and board attribute.

Classification of detailed statistics: Select the detailed classification which is corresponded to the selected statistics classification.

Tab for the number of generated writing: Inquire the statistics for the number of generated posting writing which suits to the setup condition.

Tab for total number of inquiry: Inquire the statistics for the total number of inquiry which suits to the setup condition.

Tab for average number of inquiry: Inquire the statistics for the average inquiry number of posting which suits to the setup condition.

Tab for the highest/lowest number of inquiry: Inquire the highest/lowest inquiry information of posting which suits to the setup condition.

Tab for the person with the highest number of posting: Inquire the information of the person with the highest number of posting which suits to the setup condition.

Initialization: Initialize the search condition.

## **References**

- Refer to the execution environment: [scheduling](#)