

## User statistics

### Summary

User statistics function provides the statistics data for various user status with 2 methods of graph and text for each period (for each year, month, and day) in accordance with the type, status, and gender of the member.

- Flow of functions

Name of function	Flow of function
Summation of user statistics	<b>Performance of user information summarized arrangement</b> → <b>Summation of user summarized information</b>
Search of user statistics	Input of search condition → User statistics search for each condition

### Description

This is the function of inquiring the information of user statistical figure in accordance with specific search condition.

### Package Dependency

User 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.

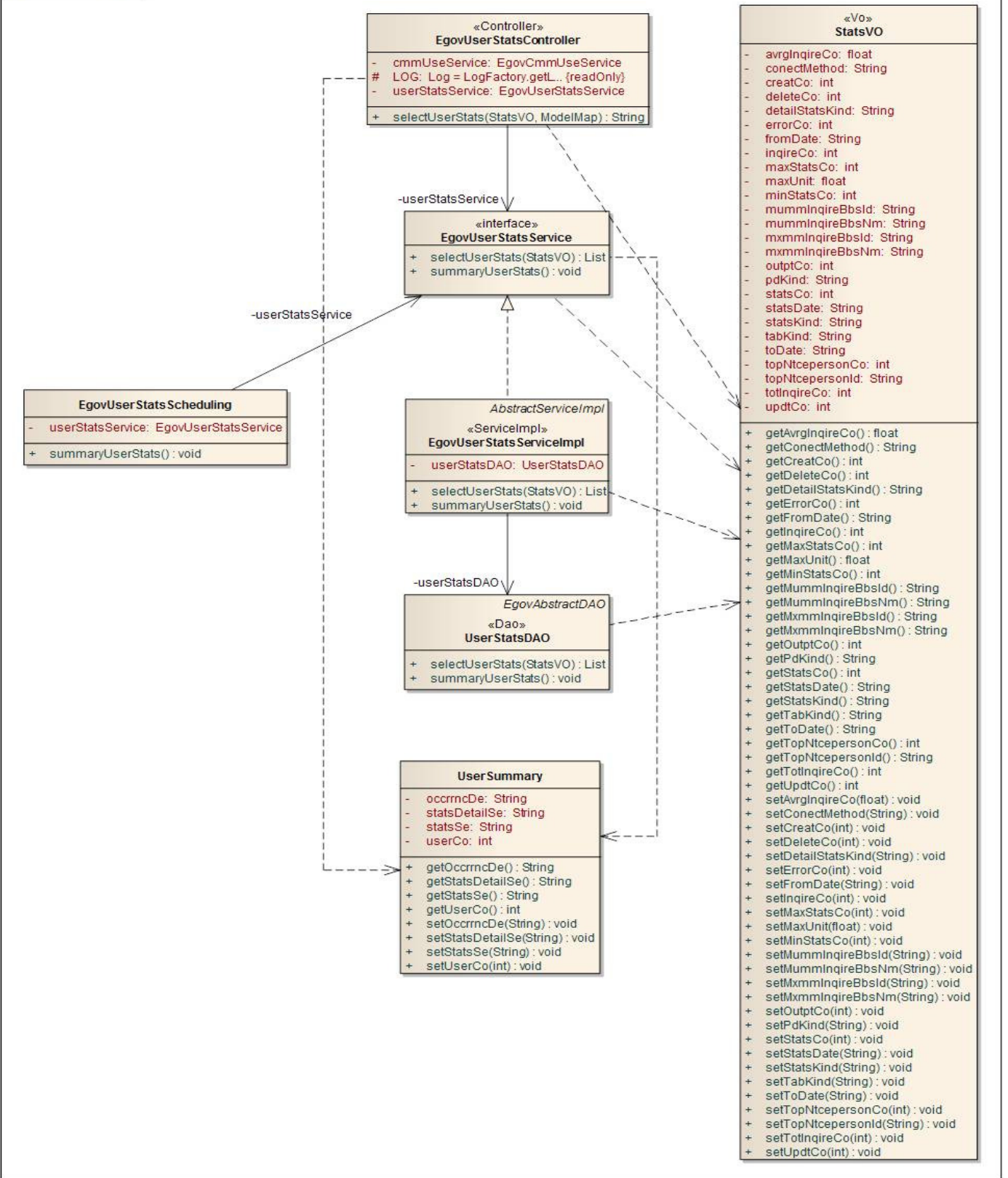
- Dependency between packages: [Statistics/reporting Package Dependency](#)

### Related Sources

Type	Name of Corresponded Source	Remarks
Controller	egovframework.com.sts.ust.web.EgovUserStatsController.java	Controller class for user statistics
Service	egovframework.com.sts.ust.service.EgovUserStatsService.java	Service interface for user statistics
ServiceImpl	egovframework.com.sts.ust.service.impl.EgovUserStatsServiceImpl.java	Service implementation class for user statistics
Model	egovframework.com.sts.ust.service.UserSummary.java	Model class for user statistics
DAO	egovframework.com.sts.ust.service.impl.UserStatsDAO.java	Data processing class for user statistics
Scheduling	egovframework.com.sts.ust.service.EgovUserStatsScheduling.java	Schedule class for user statistics summation
JSP	WEB_INF/jsp/egovframework/com/sts/ust/EgovUserStats.jsp	Page for user statistics

Query XML	resources/egovframework/sqlmap/com/sts/ust/govUserStats_SQL_Mysql.xml	Query XML for MySQL for user statistics
Query XML	resources/egovframework/sqlmap/com/sts/ust/govUserStats_SQL_Oracle.xml	Query XML for Oracle for user statistics
Query XML	resources/egovframework/sqlmap/com/sts/ust/govUserStats_SQL_Tibero.xml	Query XML for Tibero for user statistics
Query XML	resources/egovframework/sqlmap/com/sts/ust/govUserStats_SQL_Altibase.xml	Query XML for Altibase for user statistics

## Class Diagram



### Related Table

Name of table	Name of table (English)	Remarks
Summary of user statistics	COMTSUSERSUMMARY	Manage the user statistics information.

### Configuration

The work of summarizing the number of members which conform to the type, status, and gender of the member shall be configured with the form of arrangement by inquiring all user information once 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/ust/service/EgovUserStatsScheduling.java)

```
public class EgovUserStatsScheduling {  
  
    /** EgovUserStatsService */  
    @Resource(name = "userStatsService")  
    private EgovUserStatsService userStatsService;  
  
    /**  
     * The arrangement program which performs the summation for user statistics with the unit  
of a day  
     * @exception Exception  
     */  
    public void summaryUserStats() throws Exception {  
        userStatsService.summaryUserStats();  
    }  
}
```

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

```
<bean id="userStats"  
class="org.springframework.scheduling.quartz.MethodInvokingJobDetailFactoryBean">  
    <property name="targetObject" ref="egovUserStatsScheduling" />  
    <property name="targetMethod" value="summaryUserStats" />  
    <property name="concurrent" value="false" />  
</bean>
```

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

```
<bean id="userStatsTrigger" class="org.springframework.scheduling.quartz.SimpleTriggerBean">  
    <property name="jobDetail" ref="userStats" />  
    <!-- 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 (src/main/resources/egovframework/spring/com/context-scheduling-sts-ust.xml)

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

## Related functions

### User statistics

### Business rule

User statistics data for each condition is inquired through the user summary information which is summed up with daily basis.

**Related code**

N/A

**Screen and execution manual**

Action	URL	Controller method	QueryID
User statistics search	/sts/ust/selectUserStats.do	selectUserStats	"UserStatsDAO.selectUserStats",

🔍 사용자 통계 검색

기간	기간구분	통계구분	
<input type="text" value="20090420"/> <input type="text" value="20090423"/>	<input type="text" value="일별"/>	<input type="text" value="회원유형별"/> <input type="text" value="전체"/>	<input type="button" value="검색"/> <input type="button" value="초기화"/>

📊 사용자 통계 결과

그래프 (단위, 명)



텍스트 (단위, 명)

2009-04-20	288 명
2009-04-21	389 명
2009-04-22	5005 명
2009-04-23	5005 명

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 member, member status, and the gender.

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

Search: Search the user statistics which suits to the condition.

Initialization: Initialize the search condition.

**References**

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