

Connection statistics

Summary

Statistical data for the status connected by the user is provided with two types of method, i.e., graph and text, for each period (per daily, monthly and yearly) in accordance with the service and individual.

- Flow of functions

Name of function	Flow of function
Summation of connection statistics	Performance of system connection information summarized arrangement → Summation of system connection summarized information
Search of connection statistics	Input of search condition → Connection statistics search for each condition

Description

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

Package Dependency

System connection statistics package has direct functional dependency for the common package (cmm) of element technology and reporting 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.

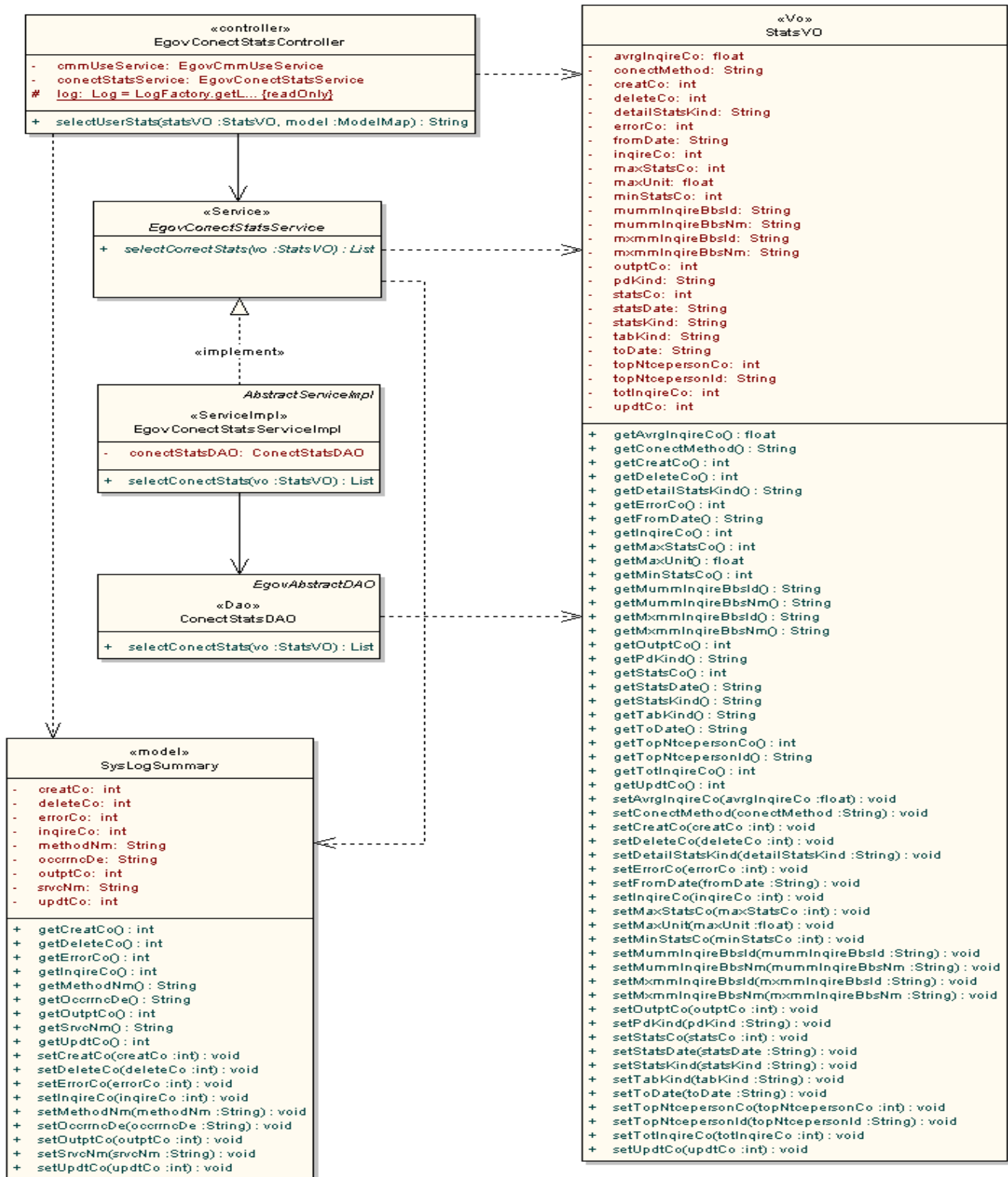
- Dependency between packages: [Statistics/reporting Package Dependency](#)

Related Sources

Type	Name of Corresponded Source	Remarks
Controller	egovframework.com.sts.cst.web.EgovConectStatsController.java	Controller class for connection statistics
Service	egovframework.com.sts.cst.service.EgovConectStatsService.java	Service interface for connection statistics
ServiceImpl	egovframework.com.sts.cst.service.impl.EgovConectStatsServiceImpl.java	Service implementation class for connection statistics
Model	egovframework.com.sts.cst.service.SysLogSummary.java	Model class for connection statistics
DAO	egovframework.com.sts.cst.service.impl.ConectStatsDAO.java	Data processing class for connection statistics
Schduling	egovframework.com.sym.log.lgm.service.EgovLogManageScheduling.java	Schedule class for system log

		summation
JSP	WEB_INF/jsp/egovframework/com/sts/cst/EgovConectStats.jsp	Page for connection statistics
Query XML	resources/egovframework/sqlmap/com/sts/cst/EgovConectStats_SQL_Mysql.xml	Query XML for MySQL for connection statistics
Query XML	resources/egovframework/sqlmap/com/sts/cst/EgovConectStats_SQL_Oracle.xml	Query XML for Oracle for connection statistics
Query XML	resources/egovframework/sqlmap/com/sts/cst/EgovConectStats_SQL_Tibero.xml	Query XML for Tibero for connection statistics
Query XML	resources/egovframework/sqlmap/com/sts/cst/EgovConectStats_SQL_Altibase.xml	Query XML for Altibase for connection statistics

Class Diagram



Related Table

Name of table	Name of table (English)	Remarks
Summary of system log	COMTSSYSLOGSUMMARY	Manage the system log summary information.

Configuration

The work of inquiring and summarizing all of the system connection log information once in a day shall be configured with the form of arrangement.

This function is configured by utilizing the [scheduling](#) function of eGovFrame execution environment.

- Generation of work class
(src/main/java/egovframework/com/sym/log/lgm/service/EgovSysLogScheduling.java)

```
@Service("egovSysLogScheduling")
public class EgovSysLogScheduling {

    @Resource(name="EgovSysLogService")
    private EgovSysLogService sysLogService;

    /**
     * Summarize system log information.
     * Summarize and input the log of the previous day, and delete the log of one week ago.
     *
     * @param
     * @return
     * @throws Exception
     */
    public void sysLogSummary() throws Exception {
        sysLogService.logInsertSysLogSummary();
    }
}
```

- Setup of work performance bean (src/main/resources/egovframework/spring/com/context-scheduling-sym-log-lgm.xml)

```
<bean id="sysLogging"
class="org.springframework.scheduling.quartz.MethodInvokingJobDetailFactoryBean">
    <property name="targetObject" ref="egovSysLogScheduling" />
    <property name="targetMethod" value="sysLogSummary" />
    <property name="concurrent" value="false" />
</bean>
```

- Setup of trigger bean (src/main/resources/egovframework/spring/com/context-scheduling-sym-log-lgm.xml)

```
<bean id="sysLogTrigger" class="org.springframework.scheduling.quartz.SimpleTriggerBean">
    <property name="jobDetail" ref="sysLogging" />
    <property name="startDelay" value="60000" />
    <property name="repeatInterval" value="3600000" />
</bean>
```

- Setup of scheduler bean (src/main/resources/egovframework/spring/com/context-scheduling-sym-log-lgm.xml)

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

Related functions

Connection statistics

Business rule

Connection statistics data for each service (method) and individual is inquired through the system connection log summary information which is summed up with daily basis.

Related Code

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Connection statistics search	/sts/cst/selectConectStats.do	selectUserStats	"ConectStatsDAO.selectConectStats"

접속 통계 검색

기간	기간구분	통계구분	
<input type="text" value="20090427"/> <input type="text" value="20090428"/>	<input type="text" value="일별"/>	<input type="text" value="개인별"/>	<input type="text" value="test1"/>
			<input type="button" value="검색"/> <input type="button" value="초기화"/>

접속 통계 결과

그래프 (단위, 횟수)



텍스트 (단위, 횟수)

2009-04-27	45 회
2009-04-28	7 회

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 service and individual.

Individual ID input: Input the ID for the system connection statistics for each individual.

Initialization: Initialize the search condition.

References

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