

Connection Log Management

Summary

Connection Log Management provides the functions of searching, inquiring system logged in/out log of the user.

Description

Connection Log Management can be used after the installation of **login package (egovframework-certlogin-2.0.0.zip)**.

(When it is executed after the single installation, error will be generated.)

Connection Log Management accompanies the functions of **registration, inquiry, and list** of the login log.

- ① Connection Log Registration: Register the login log information. - With AOP function
- ② Connection Log Inquiry: Inquire detailed contents of login log information.
- ③ Connection Log List: Search and inquire the list of login log information.

Package Dependency

Connection Log Management Package has direct functional dependency only for the common (cmm) package of element technology. However, in order to be executed without error during the component distribution, the distribution file is constituted with calendar package in accordance with the dependency between packages.

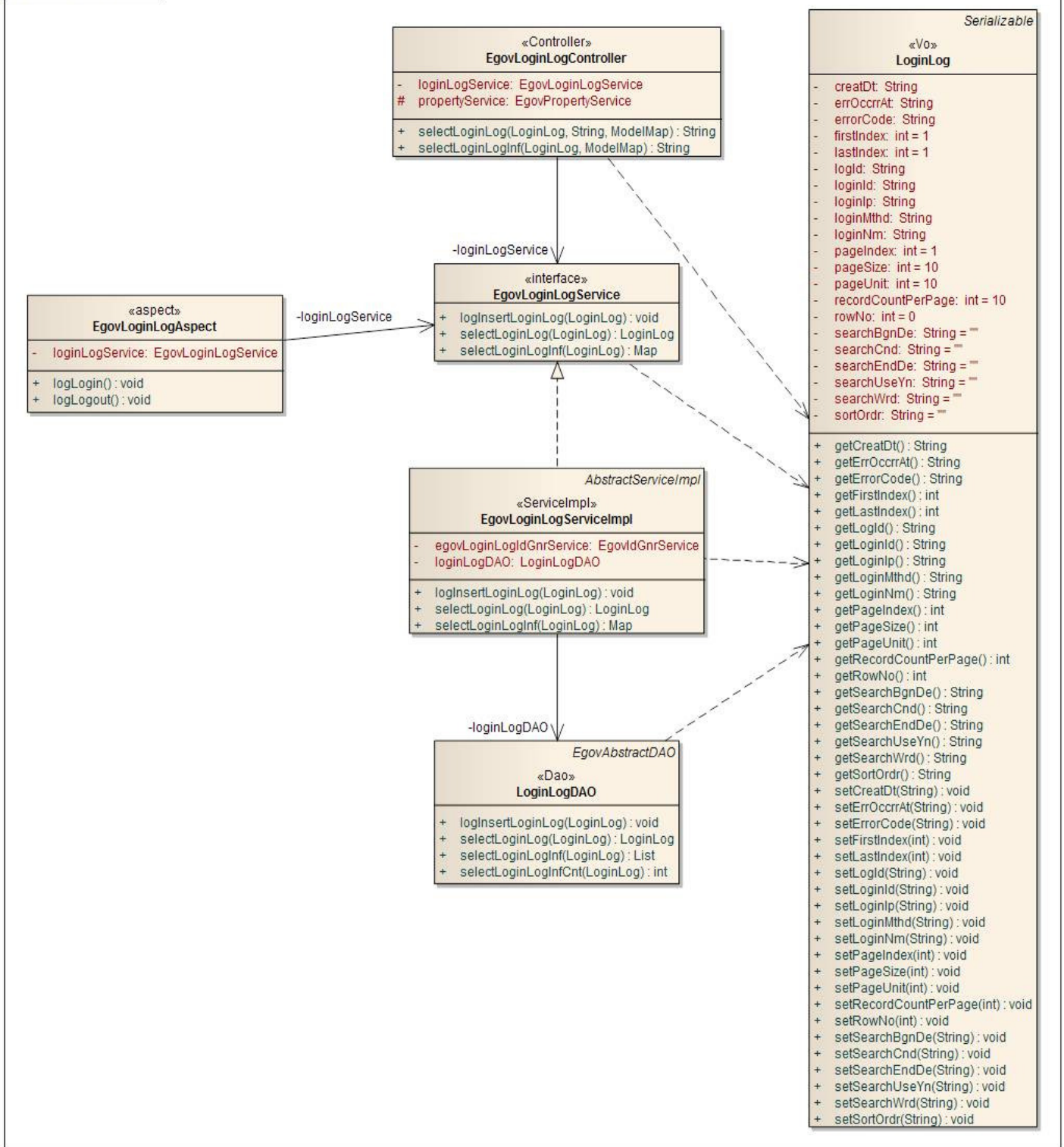
- Dependency between packages: [System management Package Dependency](#)

Related Source

Type	Name of Corresponded Source	Remarks
Controller	egovframework.com.sym.log.clg.web.EgovLoginLogController.java	Controller class for Connection Log Management
Service	egovframework.com.sym.log.clg.service.EgovLoginLogService.java	Service interface for Connection Log Management
ServiceImpl	egovframework.com.sym.log.clg.service.impl.EgovLoginLogServiceImpl.java	Service implementation class for Connection Log Management
Model	egovframework.com.sym.log.clg.service.LoginLog.java	VO class for Connection Log Management
DAO	egovframework.com.sym.log.clg.service.impl.LoginLogDAO.java	Data processing class for Connection Log Management

Aspect	egovframework.com.sym.log.clg.service.EgovLoginLogAspect.java	Aspect class for Connection Log Registration
JSP	/WEB-INF/jsp/egovframework/com/sym/log/clg/EgovLoginLogList.jsp	jsp page for Connection Log List
JSP	/WEB-INF/jsp/egovframework/com/sym/log/clg/EgovLoginLogInquire.jsp	jsp page for Connection Log Inquiry
QUERY XML	resources/egovframework/sqlmap/com/sym/log/clg/EgovLoginLog_SQL_Mysql.xml	QUERY XML for Connection Log Management MySQL
QUERY XML	resources/egovframework/sqlmap/com/sym/log/clg/EgovLoginLog_SQL_Oracle.xml	QUERY XML for Connection Log Management Oracle
QUERY XML	resources/egovframework/sqlmap/com/sym/log/clg/EgovLoginLog_SQL_Tibero.xml	QUERY XML for Connection Log Management Tibero
QUERY XML	resources/egovframework/sqlmap/com/sym/log/clg/EgovLoginLog_SQL_Altibase.xml	QUERY XML for Connection Log Management Altibase
Idgen XML	resources/egovframework/spring/context-idgen.xml	Connection Log Management Id generation Idgen XML

Class Diagram



ID Generation

ID Generation related DDL & DML

- In order to utilize ID Generation Service, **LOGINLOG_ID** item is added to COMTECOPSEQ which is the Sequence storage table.

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

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

ID Generation Environment Setup (context-idgen.xml)

```
<bean name="egovLoginLogIdGnrService"
  class="egovframework.rte.fdl.idgnr.impl.EgovTableIdGnrService"
  destroy-method="destroy">
  <property name="dataSource" ref="dataSource" />
  <property name="strategy" ref="loginLogStrategy" />
  <property name="blockSize" value="1"/>
  <property name="table" value="COMTECOPSEQ"/>
  <property name="tableName" value="LOGINLOG_ID"/>
</bean>

<bean name="loginLogStrategy"
  class="egovframework.rte.fdl.idgnr.impl.strategy.EgovIdGnrStrategyImpl">
  <property name="prefix" value="LOGIN_" />
  <property name="cipers" value="14" />
  <property name="fillChar" value="0" />
</bean>
```

Related Table

Name of table	Name of table (English)	Remarks
Connection Log	COMTNLOGINLOG	Manage login log information.

AOP

egov-com-loginaop.xml

```
<bean id="egov.loginlog"
class="egovframework.com.sym.log.clg.service.EgovLoginLogAspect" />

<aop:config>
  <aop:aspect id="egov.loginLogAspect" ref="egov.loginlog">
    <!-- Login Method -->
    <aop:before pointcut="execution(public *
egovframework.com.uat.uia.web.EgovLoginController.actionMain(..))" method="logLogin" />
    <!-- Logout Method -->
    <aop:before pointcut="execution(public *
egovframework.com.uat.uia.web.EgovLoginController.actionLogout(..))" method="logLogout" />
  </aop:aspect>
</aop:config>
```

Set up the [AOP](#) to implement system log registration function.

- Create EgovLogManageAspect class to implement system log registration function.

```
package egovframework.com.sym.log.clg.service;

import javax.annotation.Resource;

import egovframework.com.cmm.LoginVO;
import egovframework.com.cmm.util.EgovUserDetailsHelper;

public class EgovLoginLogAspect {

    @Resource(name="EgovLoginLogService")
    private EgovLoginLogService loginLogService;
```

```

/**
 * Create login log information.
 * EgovLoginController.actionMain Method
 *
 * @param
 * @return void
 * @throws Exception
 */
public void logLogin() throws Throwable {

    String uniqId = "";
    String ip = "";

    /* Authenticated */
    Boolean isAuthenticated = EgovUserDetailsHelper.isAuthenticated();
    if(isAuthenticated.booleanValue()) {
        LoginVO user = (LoginVO)EgovUserDetailsHelper.getAuthenticatedUser();
        uniqId = user.getUniqId();
        ip = user.getIp();
    }

    LoginLog loginLog = new LoginLog();
    loginLog.setLoginId(uniqId);
    loginLog.setLoginIp(ip);
    loginLog.setLoginMthd("I"); // Login:I, Logout:O
    loginLog.setErrOccrrAt("N");
    loginLog.setErrorCode("");
    loginLogService.logInsertLoginLog(loginLog);

}

/**
 * Create logout log information.
 * EgovLoginController.actionLogout Method
 *
 * @param
 * @return void
 * @throws Exception
 */
public void logLogout() throws Throwable {

    String uniqId = "";
    String ip = "";

    /* Authenticated */
    Boolean isAuthenticated = EgovUserDetailsHelper.isAuthenticated();
    if(isAuthenticated.booleanValue()) {
        LoginVO user = (LoginVO)EgovUserDetailsHelper.getAuthenticatedUser();
        uniqId = user.getUniqId();
        ip = user.getIp();
    }

    LoginLog loginLog = new LoginLog();
    loginLog.setLoginId(uniqId);
    loginLog.setLoginIp(ip);
    loginLog.setLoginMthd("O"); // Login:I, Logout:O
    loginLog.setErrOccrrAt("N");
    loginLog.setErrorCode("");
    loginLogService.logInsertLoginLog(loginLog);
}
}

```

Related Functions

Connection log management is divided into the **connection log list inquiry**, **connection log detailed inquiry** functions.

Connection Log List Inquiry

Business Rule

Login log list is inquired with the unit of 10 cases per page, and paging is realized with the unit of 10 pages. Search condition is performed for the generation date and log type.

Related Code

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
List inquiry	/sym/log/clg/SelectLoginLogList.do	selectLoginLogInf	"LoginLogDAO.selectLoginLogInf",
			"LoginLogDAO.selectLoginLogInfCnt"

로그인 로그조회 발생일자 ~ 로그유형

번호	로그ID	발생일자	로그유형	요청자	요청자IP	상세보기
1	LOGIN_00000000157251	2009-04-28	I	마스터	127.0.0.1	
2	LOGIN_00000000157259	2009-04-28	I	마스터	127.0.0.1	
3	LOGIN_00000000157261	2009-04-28	I	김택용	127.0.0.1	
4	LOGIN_00000000157266	2009-04-28	I	공통사용자1	127.0.0.1	
5	LOGIN_00000000157268	2009-04-28	I	공통사용자1	127.0.0.1	
6	LOGIN_00000000157275	2009-04-28	I	공통사용자1	127.0.0.1	
7	LOGIN_00000000157278	2009-04-28	I	마스터	127.0.0.1	

1

In order to perform the login log detailed inquiry function, click the **Detail View** button.

Connection Log Detailed Inquiry

Business Rule

Login log detailed inquiry is comprised of pop-up windows, and when the **Close** button is clicked, the window is closed.

Related Code

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Detailed inquiry	/sym/log/clg/InquireLoginLog.do	selectLoginLog	"LoginLogDAO.selectLoginLog"

로그인 로그 정보

로그ID	LOGIN_00000000157259
발생일자	2009-04-28
로그유형	I
요청자	마스터
요청자IP	127.0.0.1

닫기

References

- Refer to execution environment: [AOP](#)
- Refer to execution environment: [ID Generation](#)