## General Log-in Service

## Summary

The log-in method is generally classified into two methods. First is to use the ID and password created in joining in (general log-in from hereinafter) and the second is to use certifications as NPKI or GPKI. In general log-in, the screen is composed differently by each type of users (i.e. general member, corporate member and work user).

### **Function flow**

Function name	Function flow
General log-in	Input ID/PW $\rightarrow$ Log-in request $\rightarrow$ authorization $\rightarrow$ session setup $\rightarrow$ create log-in log $\rightarrow$ menu setup by each
	authority $\rightarrow$ load screen by each authority

# Description

It is a service component that allows access from system users and supports to ensure information on users that attempt to connect to the application program for security purposes. It is a method which the user inputs the log-in information (user ID / password), the component searches for the existing user information and processes the user certification.

#### Related Source

Туре	Subject source name	Remarks
C ontroller	egovframework.com.uat.uia.web.EgovLoginC	Controller class for the log-in
Service	egovframework.com.uat.uia.service.EgovLoginService.j	Interface for log-in
Service	egovframework.com.sym.log.service.EgovLogManageSe	Service and interface for creating log-in log
Service	egovframework.com.sym.mpm.service.EgovMenuMana	Service interface for searching menus after log-in
ServiceImpl	egovframework.com.uat.uia.service.impl.EgovLoginSer	Service realization class for log-in
VO	egovframework.com.uat.uia.service.LoginVO.java	VO class for log-in
DAO	egovframework.com.uat.uia.service.impl.LoginDAO.jav	Data processing class for log-in
Query XML	resources/egovframework/sqlmap/com/uat/uia/EgovLo	Query XML for log-in
JSP	WEB_INF/jsp/egovframework/cmm/uat/uia/EgovLoginU	Log-in page

### Class Diagram

#### «controller» EgovLoginController cmmUseService: EgovCmmUseService egovMessageSource: EgovMessageSource log: Log = LogFactory.getL... {readOnly} loginService: EgovLoginService logManageService: EgovLogManageService menuManageService: EgovMenuManageService + actionCrtfctLogin(loginVO:LoginVO, request:HttpServletRequest, response:HttpServletResponse, model:ModelMap): String + actionLogin(loginVO:LoginVO, request: HttpServletRequest, model: ModelMap): String + actionMain(model:ModelMap): String gpkilssuView(model:ModelMap): String idPlasswordSlearchView(model :ModelMap) : String loginUsrView(loginVO :LoginVO, request :HttpServletRequest, response :HttpServletResponse, model :ModelMap) : String searchId(loginVO:LoginVO, model:ModelMap): String searchPassword(loginVO:LoginVO, model:ModelMap): String «Won LoginV0 «Service» EgovLoginService dn: String email: String actionCrtfctLogin(vol:LoginVO):LoginVO id: String actionLogin (vo.:Login VO): Login VO ihidNum: String searchkl (vo.:Login VO) : Login VO ip: String searchPassword(vol:LoginVO): boolean name: String orgnztld: String password: String «implement» passwordCnsr: String passwordHint: String AbstractServiceImpl uniqld: String «ServiceImpl» url: String EgovLoginServiceImpl userSe: String loginDAO: LoginDAO getDn(): String sndngMailRegistService: EgovSndngMailRegistService getEmail(): String getId() : String actionCrtfctLogin(vo:LoginVO):LoginVO getIhidNum(): String actionLogin(vo:LoginVO): LoginVO getlp(): String searchId(vo:LoginVO): LoginVO getName(): String searchPassword(vo:LoginVO): boolean getOrgnztId(): String getPassword(): String getPasswordCnsr(): String getPasswordHint(): String getUniqld(): String getUrl(): String EgovAbstractDAO getUserSe(): String «Dao» setDn(dn:String):void LoginDAO + setEmail(email:String):void + setld(id:String):void # log: Log = LogFactory.getL... {readOnly} + setIhidNum(ihidNum:String):void + setlp(ip:String):void actionCrtfctLogin(vol:LoginVO): LoginVO + setName(name:String): void actionLogin(vo:LoginVO): LoginVO + setOrgnztId(orgnztId:String): void searchId(vo:LoginVO): LoginVO setPassword(password :String) : woid searchPassword(vo:LoginVO):LoginVO + setPasswordCnsr(passwordCnsr:String): void updatePassword(vo:LoginVO): void + setPasswordHint(passwordHint:String): void setUniqld(uniqld:String): void + setUrl(url:String):void setUserSe(userSe:String): void

#### Related table

Table name	Table name (English)	Remarks	
Employer	COMTNEMPLYRINFO	Managing the information of employers	
Enterprise	COMTNENTRPRSMBER	Managing the information of enterprise members	
member			

General member	COMTNGNRLMBER	Managing the information of general members
Log-in log	COMTNLOGINLOG	Managing the information of the log-in log
Menu COMTNMENUINFO		Managing the information of menu

### Related setup

In case of realizing the log-in function without GPKI certification log-in, the EgovLoginController.java is changed as following.

The log-in screen processing is changed as following:

#### The part of certification log-in is changed as following:

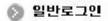
### Screen and execution manual

### General user log-in

Action	URL	Controller method	QueryID
Login screen	/uat/uia/egovLoginUsr.do	loginUsrView	
General log-in	/uat/uia/actionLogin.do	actionLogin	loginDAO.actionLogin

General log-in searches the user information in each class of users with the ID and password. It creates the log-in log with searched user information and call the spring security for authorization certification and session setup.

Compose the main screen by searching the menu information.





Choose a type of duty: select the type of user work

Insert ID: type in your ID

Insert password: type in the password

Log-in: user log-in certification with the ID and password

Join in as a member: Move to the member join in page for each type of work

Certification log-in: Call the GPKI certification pop-up Certification guide: Call the GPKI certification guide pop-up

Save ID: saves the ID information for future visits

## Reference

N/A

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