

# General Log-in Service

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## Summary

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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 → Log-in request → authorization → session setup → create log-in log → menu setup by each authority → load screen by each authority |

## Description

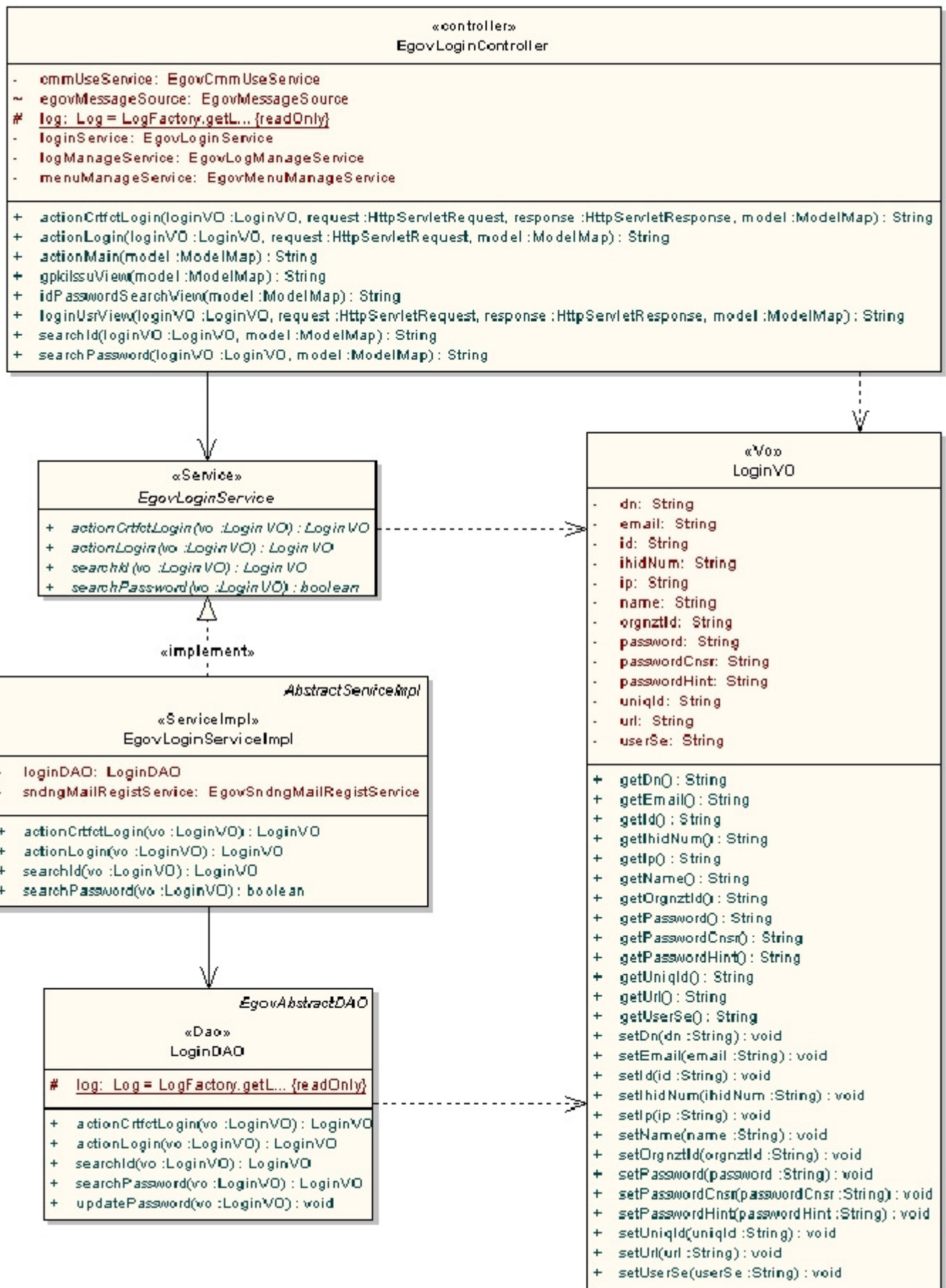
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It is a service component that allows access from system users and supports to ensure information on users that attempt to connect to the application program for security purposes. It is a method which the user inputs the log-in information (user ID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

### Related Source

| Type        | Subject source name                                  | Remarks                                            |
|-------------|------------------------------------------------------|----------------------------------------------------|
| Controller  | 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



### Related table

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

|                |               |                                             |
|----------------|---------------|---------------------------------------------|
| 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:

```
public String loginUsrView(@ModelAttribute("loginVO") LoginVOloginVO,
    HttpServletRequest request,
    HttpServletResponse response,
    ModelMap model)
    throws Exception {
    // # In case of processing log-in without GPKI certification
    return "cmm/uat/uia/EgovLoginUsr";
}
```

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

```
public String actionCrtfctLogin(@ModelAttribute("loginVO") LoginVOloginVO,
    HttpServletRequest request,
    HttpServletResponse response,
    ModelMap model)
    throws Exception {
    // # In case of processing general log-in without GPKI certification
    return "cmm/uat/uia/EgovLoginUsr";
}
```

## Screen and execution manual

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### 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.

## 일반로그인

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일반    기업    업무

아이디

비밀번호   ID저장

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

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N/A

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