

Real name verification

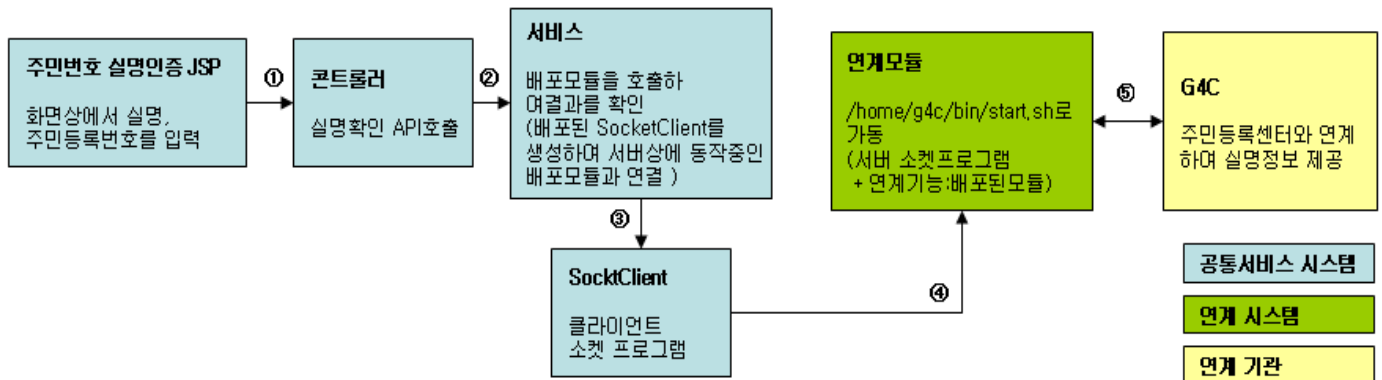
Summary

This is the component to provide the real name certification function of citizen registration number which is generally used when constructing the system, and it verifies the citizen registration number and the state of reality of the name through G4C connection module. This is constituted so as to be used at subscription stage of members and corporate members. The citizen registration number which is inputted at the time of real name verification is used only for the occasion of the real name verification and the citizen registration number is not saved. If saving is wanted, the source code shall be revised before the use. For real name certification, eGovFrame G4C connection module is used, therefore, the connection module shall be provided by individually applying to the civil appeal system section of MOPAS.

Contents of request	Agency to be requested
Real name verification service of citizen registration	Citizen section of MOPAS
Connection module	Civil appeal system section of MOPAS
Certification	Certification management center

- Flow of functions

Name of function	Function flow
Real name certification of citizen registration number	① Request of real name certification → ② Calling of real name verification API → ③ Calling of distribution module → ④ G4C connection module communication , ⑤ Information connection



Description

Package Dependency

Integrated link management package has direct functional dependency only for the common package (cmm) of element technology.

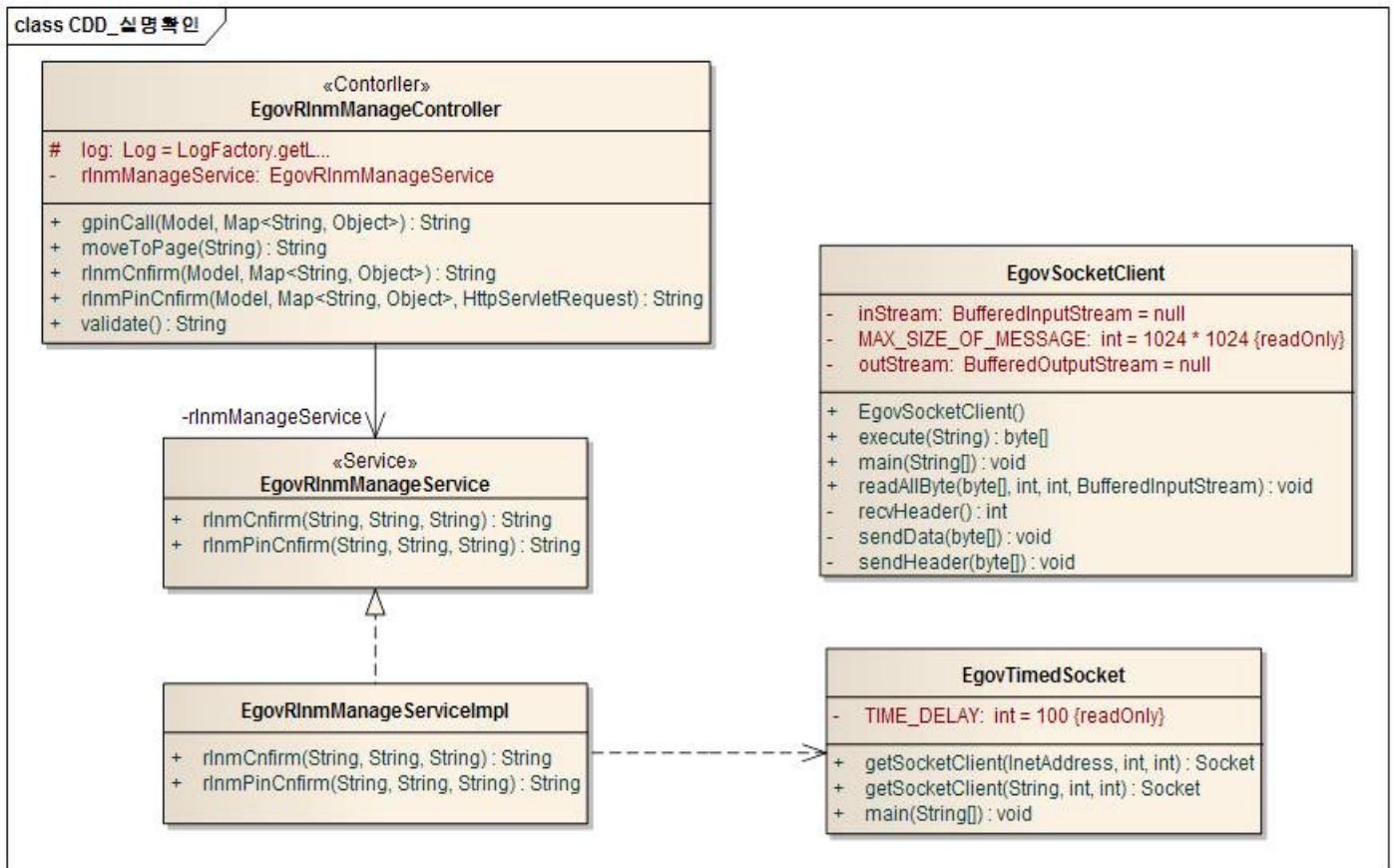
- Dependency between packages: [Security Package Dependency](#)

Related Sources

Type	Name of Corresponded Source	Remarks
Controller	egovframework.com.sec.rnc.web.EgovRlnmManageController.java	Controller class for real name verification
Service	egovframework.com.sec.rnc.service.EgovRlnmManageService.java	Service

		interface for real name verification
ServiceImpl	egovframework.com.sec.rnc.service.impl.EgovRlnmManageServiceImpl.java	Service implementation class for real name verification
Class for connection	egovframework.com.sec.rnc.service.EgovSocketClient.java	Client class for real name verification
Class for connection	egovframework.com.sec.rnc.service.EgovTimedSocket.java	Socket class for real name verification
JSP	/WEB-INF/jsp/egovframework/com/sec/rnc/EgovRlnmCnfirm.jsp	Real name verification page of citizen registration number

Class Diagram



Configuration

The item and application environment setup required for utilizing real name certification function of G4C citizen registration are as follows.

1. Distribution module

G4C connection module and the source for test are distributed from the G4C center. Distributed file is furnished to g4c, gpki folder which is to be used by copying to the underside of the /home of the server (WAS installation server) that will be operated during the actual distribution.

Provided module	Description
residentCheck.jar	Citizen inquiry related package
g4c.gais.public.LDAP.properties	LDAP related environment file
g4c.gais.public.security.properties	Encryption/decryption related environment file
defaultsetting.properties	Default environment file
conf.ini	Certification related environment file
gpkiRootCA.cer	Root certificate
ldap.jar	Netscape package

Environment file setup

(1) Copy the distributed files to the /home folder. (Copying of g4c, gpki folder)
(2) Add the distribution module, ldap.jar, residentCheck.jar, to the CLASSPATH.
Setup of property file (Set up with the issued server certificate and password value.)

(1) defaultsetting.properties file

Connection institution certificate DN (This is used when server local is tested.)

testdn=1311000011

(2) g4c.gais.public.LDAP.properties file

LDAP server read entry

ftp.ldap.server.readentry=ouCode=1311000011

(3) g4c.gais.public.security.properties file

Certificate for server

certForSignFile=/home/gpki/certificate/class1/SVR1311000011_sig.cer

keyForSignFile=/home/gpki/certificate/class1/SVR1311000011_sig.key

certForEnvFile=/home/gpki/certificate/class1/SVR1311000011_env.cer

keyForEnvFile=/home/gpki/certificate/class1/SVR1311000011_env.key

Certificate password for server

pinForSign=q6e6qysp

pinForEnv=q6e6qysp

2. Application of service

In order to use the citizen registration real name verification service, the service shall be applied to the corresponding institution. (It can be applied by the undertaking civil servant.)

Apply the citizen registration real name verification service to the citizen section of MOPAS.

Apply the server certificate to the administrative electronic signature certification center.

* The institution code and IP information of WAS server which are to be received during application shall be registered to G4C.

3. gpki standard API

For G4C connection, the GPKI standard API provided by the administrative electronic signature certificate management center (<http://www.gpki.go.kr>) is required. As it is different for each OS, standard security API suitable to the system shall be applied for issuance. (If GPKI setup is conducted when GPKI certificate has been used, it is in the state that standard API installation has already been completed, therefore, 3.gpki standard API setup will be abbreviated.)

Classification	Type	File name/folder	Description
Standard API Native module	Library	libgpkiapi64.a	For IBM AIX (For administration)
Standard API Native module	Library	libgpkiapi64_jni.a	For IBM AIX (For administration)
Standard API Native module	Library	libibmlldap64n.a	For IBM AIX (For civilian)
Standard API	Jar file	libgpkiapi_jni.jar	Standard security API

Setup of environment file

(1) Copy the distributed files to the /home/g4c/gpki/lib folder.

{: {:egovframework:g4c02.standard API server installation (copy) example.gif|}}

(2) Add the distribution module, libgpkiapi_jni.jar to the CLASSPATH.

(3) Add the LD_LIBRARY_PATH, LIBPATH as the environmental variable.

export LIBPATH=/home/g4c/gpki/lib

export LD_LIBRARY_PATH=/home/g4c/gpki/lib

4. Execution of Socket Daemon

After confirming the request of the system to be operated through the socket communication, the Daemon program which is to provide real name verification information through the connection with G4C is executed.

(1) Set up the port and the number of Thread Pool at the home/g4c/config/g4c.gais.socket/g4c.gais.socket.default.properties file.

```
localPort=1234  
pool.init=10  
pool.max=10  
pool.timeout=5000
```

(2) Execution: Execute the g4c.db160.resident.socket.SocketServer. (For execution of Daemon, refer to the /home/g4c/bin/start.sh, and for the method of call, refer to the sample source, SocketClient.java.)

Request parameter:"12|1310000003| Soon-shin Lee |1231231234567"(Institution code received from the citizen center| Certificate CN| Name| Citizen number)

(3) Confirmation of the resultant message: Confirm the state of real name certification with the returned resultant message.

00 This is corresponded with the citizen registration data of MOPAS.

01 This is not corresponded with the citizen registration data of MOPAS.

30 System impediment is occurred.

5. Other setup item

Connection to the G4C LDAP server from the system to be operated shall be enabled.

(1) Confirmation item for allowing the connection (Connection shall be allowed at fire wall setup.)

ldap.gcc.go.kr:389

(In the case of external net, IP : 152.99.56.86 , In the case of internal net, IP : IP:10.1.7.140)

* When the standard security API is the dream product, followings shall also be enabled for connection.

ivs.gpki.go.kr:8080(IP:152.99.58.31)

(2) hosts file setup

152.99.56.86 ldap.gcc.go.kr

152.99.58.31 ivs.gpki.go.kr

6. The IP of the socket server provided by the Globals.properties revision G4C shall be designated as the Globals.LocalIp attribute of the Globals.properties file. For detailed setup, refer to the [element technology property](#) section.

Related Functions

Before inputting the subscription applying information at the subscription stage, real name certification stage shall be passed through.

Inhabitants identification number certification

Business rule


1. After the contract consent, subscription application screen shall be called after passing through the real name certification.
2. The state of real name certification shall be confirmed through name and inhabitants identification number, and the confirmed real name information will automatically be inputted during the subscription application information input. (It cannot be revised.)
3. If the subscription procedure is progressed after selecting as a member from the login screen, it is connected to the membership subscription application screen after passing through the real name certification stage, and if corporate member is selected, it is connected to the corporate member subscription application screen.

Related Codes

N/A

Screen and execution manual

Action	URL	Controller method
Real name verification	/sec/rnc/EgovRlnmCnfirm.do	rlnmCnfirm

 주민등록 실명확인

이름: 주민등록번호 (-없이 13자리)
주민등록번호를 사용하여 실명확인을 하십시오.

* 입력하신 주민등록번호는 실명인증을 하는데만 이용되며 저장되지 않습니다
* 개정 "주민등록법"에 의해 타인의 주민등록번호를 부정사용하는 자는 3년 이하의 징역 또는 1천만원, 이하의 벌금이 부과될 수 있습니다. 관련법률: 주민등록법 제37조(벌칙) 제9호(시행일 2006.09.24) 만약, 타인의 주민번호를 도용하여 온라인 회원 가입을 하신 이용자들은 지금 즉시 명의 도용을 중단하시길 바랍니다.

- Real name certification: It is moved to the real name verification screen so that the real name verification shall be passed through before inputting the subscription application information.
- Moving to GPIN real name verification: It is moved to the screen which performs real name verification with public IPIN.
- Subscription application: When the real name verification is completed, it is moved to the next stage screen. When the real name verification is not progressed or failed, corresponding message is displayed.