

Role management for each authority

Summary

Role implies the resources which become the subject of access. Through the role management component, the resources to be accessed in the system can be defined and managed. For the resources which can be used in this component, there are 3 types, i.e., URL, method, and aop. **Role management for each authority** provides the management function which can give the role with which specific resources of the authority defined in accordance with the characteristic of the user can be approached.

Description

Role management for each authority accompanies the functions of **registration, update, and deletion inquiry** with the purpose of managing the role regarding the system access for each authority.

- ① Role registration for each authority: System access role information for each authority is collectively and individually registered.
- ② Role update for each authority: System access role information for each authority is collectively and individually revised.
- ③ Role deletion for each authority: System access role information for each authority is collectively and individually deleted.
- ④ Role inquiry for each authority: System access role information for each authority is inquired.

Description

Package Dependency

Authority management package has direct functional dependency only for the common package (cmm) of element technology. However, in order to be executed without error during the component distribution, the distribution file is constituted with department authority management, group management, authority group management, role management, spring security, user integrated certification, element technology (utility) system, format/date/calculation, web editor, and mail connection interface package in accordance with the dependency between packages.

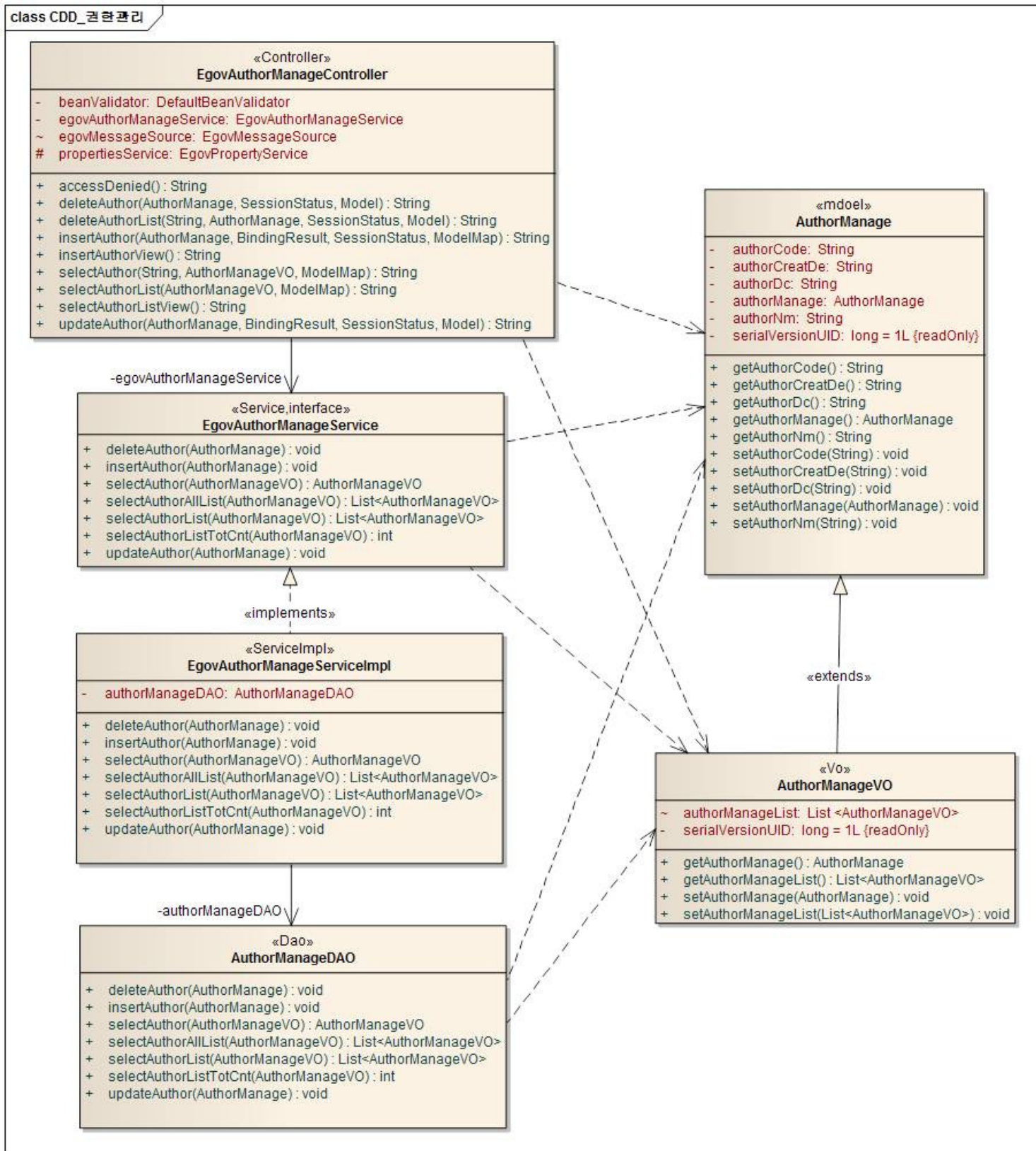
- Dependency between packages: [Security Package Dependency](#)

Class

Type	Name of Corresponded Source	Remarks
Controller	egovframework.com.sec.ram.web.EgovAuthorRoleController.java	Controller class for role management for each authority
Service	egovframework.com.sec.ram.service.EgovAuthorRoleManageService.java	Service interface for role management for each authority
ServiceImpl	egovframework.com.sec.ram.service.impl.EgovAuthorRoleManageServiceImpl.java	Service implementation class for role management for each authority

Model	egovframework.com.sec.ram.service.AuthorRoleManage.java	Model class for role management for each authority
VO	egovframework.com.sec.ram.service.AuthorRoleManageVO.java	VO class for role management for each authority
DAO	egovframework.com.sec.ram.service.impl.AuthorRoleManageDAO.java	Data processing class for role management for each authority
JSP	/WEB-INF/jsp/egovframework/com/sec/ram/EgovAuthorRoleManage.jsp	jsp page for role management for each authority
Query XML	resources/egovframework/sqlmap/com/sec/ram/EgovAuthorRoleManage_SQL_Mysql.xml	QUERY XML for MySQL for role management for each authority
Query XML	resources/egovframework/sqlmap/com/sec/ram/EgovAuthorRoleManage_SQL_Oracle.xml	QUERY XML for Oracle for role management for each authority
Query XML	resources/egovframework/sqlmap/com/sec/ram/EgovAuthorRoleManage_SQL_Tibero.xml	QUERY XML for Tibero for role management for each authority
Query XML	resources/egovframework/sqlmap/com/sec/ram/EgovAuthorRoleManage_SQL_Altibase.xml	QUERY XML for Altibase for role management for each authority
Validator Rule XML	resources/egovframework/validator/validator-rules.xml	Validator Rule defined XML
Validator XML	resources/egovframework/validator/com/sec/ram/SecurityManage.xml	Validator XML for role management for each authority
Message properties	resources/egovframework/message/com/message-common_ko_KR.properties	Message properties for role management for each authority

Class Diagram



Table

Name of table	Name of table (English)	Remarks
Authority role relation	COMTNAUTHORROLERELATE	Role mapping information is managed for each authority.

Related functions

Role management function for each authority is largely classified into the functions of **role list inquiry for each authority**, **role registration for each authority**, and **role deletion for each authority**.

Role list inquiry for each authority

Business rule

Role list for each authority 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 authority code, and the inquiry condition cannot be revised.

Related code

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Inquiry	/sec/ram/EgovAuthorRoleList.do	selectAuthorRoleList	"authorRoleManageDAO.selectAuthorRoleList",
			"authorRoleManageDAO.selectAuthorRoleListTotCnt"

▶ 권한 롤 관리 권한코드 : 목록 조회 등록

<input type="checkbox"/>	롤 ID	롤 명	롤 타입	롤 Sort	롤 설명	등록일자	등록여부
<input type="checkbox"/>	mtd-000001	test_resource_1	method	1			미등록 ▼
<input type="checkbox"/>	mtd-000002	test_resource_2	method	100			미등록 ▼
<input type="checkbox"/>	mtd-000003	test_resource_3	pointcut	1000			미등록 ▼
<input type="checkbox"/>	web-000001	cmm 패키지	url	1	/cmm/**/*.* 접근 롤 부여		미등록 ▼
<input type="checkbox"/>	web-000002	*.*	url	900	모든 *.* url 접근 롤 부여		미등록 ▼
<input type="checkbox"/>	web-000003	default All	url	1000	모든 접근 롤을 부여		미등록 ▼
<input type="checkbox"/>	web-000004	모든 사용자 롤	url	106	/sym/cmm/*.* 접근 롤 부여	2009-04-15	등록 ▼
<input type="checkbox"/>	web-000005	인증된 사용자 롤	url	201	/sym/mms/*.* 접근 롤 부여		미등록 ▼
<input type="checkbox"/>	web-000006	/sym/ccm/cca/**	url	2	/sym/ccm/cca/*.* 접근 롤 부여		미등록 ▼
<input type="checkbox"/>	web-000007	모든 사용자 롤	url	109	/uat/ua/*.* 접근 롤 부여	2009-04-09	등록 ▼

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정상적으로 조회되었습니다.

List: It is moved to the authority management screen.

Inquiry: The role information registered in the authority code which has been set up at the inquiry condition is inquired.

Role registration for each authority

Business rule

In order to register the role information for each inquired authority, select the selection check box of inquiry list, and then, select the state of registration as **registration**, and select the registration button.

Related code

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Registration	/sec/ram/EgovAuthorRoleInsert.do	insertAuthorRole	"authorRoleManageDAO.insertAuthorRole"

권한 롤 관리 권한코드 :

<input type="checkbox"/>	롤 ID	롤 명	롤 타입	롤 Sort	롤 설명	등록일자	등록여부
<input checked="" type="checkbox"/>	mtd-000001	test_resource_1	method	1			등록 <input type="button" value="v"/>
<input type="checkbox"/>	mtd-000002	test_resource_2	method	100			미등록 <input type="button" value="v"/>
<input type="checkbox"/>	mtd-000003	test_resource_3	pointcut	1000			미등록 <input type="button" value="v"/>
<input type="checkbox"/>	web-000001	cmm 패키지	url	1	/cmm/**/*.*.do 접근 롤 부여		미등록 <input type="button" value="v"/>
<input type="checkbox"/>	web-000002	*.*.do	url	900	모든 *.*.do url 접근 롤 부여		미등록 <input type="button" value="v"/>
<input type="checkbox"/>	web-000003	default All	url	1000	모든 접근 롤을 부여		미등록 <input type="button" value="v"/>
<input type="checkbox"/>	web-000004	모든 사용자 롤	url	106	/sym/cmm/*.*.do 접근 롤 부여	2009-04-15	등록 <input type="button" value="v"/>
<input type="checkbox"/>	web-000005	인증된 사용자 롤	url	201	/sym/mms/*.*.do 접근 롤 부여		미등록 <input type="button" value="v"/>
<input type="checkbox"/>	web-000006	/sym/ccm/cca/**	url	2	/sym/ccm/cca/*.*.do 접근 롤 부여		미등록 <input type="button" value="v"/>
<input type="checkbox"/>	web-000007	모든 사용자 롤	url	109	/uat/ua/*.*.* 접근 롤 부여	2009-04-09	등록 <input type="button" value="v"/>

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정상적으로 조회되었습니다.

State of registration: Registration is selected.

Select: The role information to be processed is selected.

Register: Selected role information is mapped to the corresponding authority.

Role deletion for each authority

Business rule

In order to **delete** the role information for each inquired authority, select the selection check box of inquiry list, and then, select the state of registration as **non-registration**, and select the registration button.

Related code

N/A

Screen and execution manual

Action	URL	Controller method	QueryID
Delete	/sec/ram/EgovAuthorRoleInsert.do	insertAuthorRole	"authorRoleManageDAO.deleteAuthorRole"

권한 롤 관리

권한코드 :

목록

조회

등록

<input type="checkbox"/>	롤 ID	롤 명	롤 타입	롤 Sort	롤 설명	등록일자	등록여부
<input checked="" type="checkbox"/>	mtd-000001	test_resource_1	method	1			미등록
<input type="checkbox"/>	mtd-000002	test_resource_2	method	100			미등록
<input type="checkbox"/>	mtd-000003	test_resource_3	pointcut	1000			미등록
<input type="checkbox"/>	web-000001	cmm 패키지	url	1	/cmm/**/*.* 접근 롤 부여		미등록
<input type="checkbox"/>	web-000002	*.*	url	900	모든 *.* url 접근 롤 부여		미등록
<input type="checkbox"/>	web-000003	default All	url	1000	모든 접근 롤을 부여		미등록
<input type="checkbox"/>	web-000004	모든 사용자 롤	url	106	/sym/cmm/*.* 접근 롤 부여	2009-04-15	등록
<input type="checkbox"/>	web-000005	인증된 사용자 롤	url	201	/sym/mms/*.* 접근 롤 부여		미등록
<input type="checkbox"/>	web-000006	/sym/ccm/cca/**	url	2	/sym/ccm/cca/*.* 접근 롤 부여		미등록
<input type="checkbox"/>	web-000007	모든 사용자 롤	url	109	/uat/uia/*.* 접근 롤 부여	2009-04-09	등록

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정상적으로 조회되었습니다.

State of registration: Non-registration is selected.

Select: The role information to be processed is selected.

Register: Selected role information is deleted from the corresponding authority.