Administering Authorization Rules using System Management Hub

An authorization rule is used to perform an access check for a particular Broker instance against an (authenticated) user ID and list of rules. Checks are performed on a UNIX or Windows Broker kernel, using standard EntireX Security on these platforms. Authorization rules can be stored within a repository. When an authorization call occurs, the security exit performs checks based on the values of Broker attributes AUTHORIZATIONDEFAULT and AUTHORIZATIONRULE.

In the System Management Hub, the Authorization Rules agent is found directly under EntireX, which itself is found under a particular managed host where EntireX version 6.1 or above has been installed.

This chapter covers the following topics:

- Adding a Rule
- Adding a Service
- Adding a Topic
- Adding/Modifying Users

Before you log in to the System Management Hub for the first time, see *Initial Login Considerations*. See also *System Management Hub for EntireX* | *Configuring Authorization Rules*.

Adding a Rule

To add a new authorization rule

- 1. Click on the "+" next to Authorization Rules in the tree view of the System Management Hub window. If no rule has been defined, an empty rule, "DefaultRule", is created. You can modify this default rule, or create a new rule and delete the default.
- 2. Select Authorization Rules in the tree view. From the context menu, choose Add Authorization Rule. A screen similar to the one below appears.

 webMethods EntireX 8.2 EntireX Broker 	•	Add Authorization Rule	
- a Authorizatic Add Authorization Rule		Rule Name:	
🕰 Defaulti	1	AuthRule1 *	
🛨 🙀 Location Tra 🛛 Add to View			
🛨 🚽 Java Messa 🛛 Remove from View			
+ GRPC Server Add to Browser Favorites		OK Cancel	
E Technical In			
Version: (Refresh			
Windows Settings			
EntireX SMH Environment	- 1		
	-		

3. Enter the name of the rule in the field provided. This field corresponds to Broker attribute AUTHORIZATIONRULE.

4. Choose OK.

This new rule will appear in the tree view in the left frame of the System Management Hub window. If necessary, click the "+" next to **Authorization Rules** in the tree view. You can now add a service to the rule created.

Adding a Service

- To add a service
 - 1. Select a rule in the tree view of the System Management Hub.
 - 2. From the context menu, choose Add Service. A screen similar to the one below appears.

E- 🔂 webMethods EntireX 8.2	Add Service			
🖃 🔞 Authoriza 💥 Delete Rule	Class Name:			
Hefat 🌺 Add Service	ACLASS			*
Add Topic	Server Name:			
🛨 🛃 Java Mes 🛛 Add to View	ASERVER			*
RPC Serv Remove from View	Service Name:			
- of Technical Add to Browser Favorites	ASERVICE			*
📷 Windi 🕼 Refresh				
EntireX SMH Environment		ОК	Cancel	

- 3. Enter the information required for the fields Class Name, Server Name, Service Name. These fields correspond to the service-specific Broker attributes CLASS, SERVER, SERVICE.
- 4. Choose **OK** to confirm.

As a result, the following screen appears:

webMethods EntireX 8.2 Authorization Rules DefaultRule Methods Authorization Rules Methods EntireX Broker Methods EntireX Broker Methods EntireX Broker Methods EntireX Broker Java Message Service Methods EntireX Broker	Users in Service ACLASS:AS	GERVER: ASERVICE UserIds with "[C" at the end denote a Client authorization. UserIds with "[S" at the end denote a Server authorization. All other userIds are authorized for both Client and Server access.
	Add Client User	
	Add Server User	
	Add Client And Server User	
	Remove User	
	ок	

- 5. Enter the users required for the new Service (see Adding/Modifying Users).
- 6. Click OK to confirm.

Adding a Topic

To add a topic

- 1. Select a rule in the tree view of the System Management Hub.
- 2. From the context menu, choose Add Topic. A screen similar to the one below appears.

webMethods Er 🔀 Delete Rule Add Service	Add Topic
- 🧑 Authorizatic	Topic Name:
- Galacia Add to View	*
AC Remove from View	
🛨 🙀 Location Tr. 🕋 Add to Browser Favorites 🚽 🛁	OK Cancel
🛨 🚽 Java Messa 🔹 🔹	

- 3. Enter the information required for the filed Topic Name. This field corresponds to topic-specific Broker attribute TOPIC.
- 4. Choose **OK** to confirm.

As a result, the following screen appears:

The second secon		
WebMethods Entirex 8.2 EntireX Broker	Users in Topic myTopic	
DefaultRule		UserIds with "[P" at the end denote a Publisher authorization.
- 🔓 AuthRule1		UserIds with "[U" at the end denote a Subscriber authorization.
ACLASS:ASERVER:ASERVICE		
Topic1		All other userIds are authorized for both Publisher and Subscriber access.
Technical Information		
	New User ID:	
	Add Publisher User	
	Add Cubesvibor Usor	
	Aud Subscriber Oser	
	Add Publisher And Subscriber User	
	Remove User	
	ОК	

- 5. Enter the users required for the new Service (see Adding/Modifying Users).
- 6. Click OK to confirm.

Adding/Modifying Users

> To modify users

- 1. Select a service or topic in the tree view of the System Management Hub.
- 2. From the context menu, choose **Modify User**. If a service was selected, a screen similar to the following appears:

Adding/Modifying Users

□ 📴 webMethods EntireX 8.2 한 🔓 EntireX Broker □ - 🚱 Authorization Rules	Users in Service ACLASS:ASERVER:ASERVICE			
er DefaultRule	user1 [C	Userids with "[C" at the end denote a Client authorization.		
- AuthRule1		UserIds with "[5" at the end denote a Server authorization.		
🌐 ACLASS 💥 Delete Service				
Copic1 1 Modify User		All other userIds are authorized for both Client and Server access.		
Add to View				
BPC Server Remove from View				
🗉 🚮 Technical Inform 😭 Add to Browser Favorites				
C Refresh				
(C) honosh				
	New Heer TO:			
	New Oser ID:			
	user2			
	Add Client User			
	Add Server User			
	Add Client And Server User			
	Remove User			
	ОК			

3. If a topic was selected, a screen similar to the following appears:

webMethods EntireX 8.2	Users in Topic topic1	
+ EntireX Broker		
- La Authorization Rules	*	and we were the second second second
e DefaultRule	user4	UserIds with "[P" at the end denote a Publisher authorization.
- AuthRule1		LiserIds with "ILI" at the end denote a Subscriber authorization.
ACLASS:ASERVER:ASERVICE		
🐥 topic1 🛛 💥 Delete Topic		
+ 😱 Location Transp 🔗 Medific Lloor		All other userIds are authorized for both Publisher and Subscriber access.
+ Java Message S		
+ RPC Server Add to View		
Technical Inform Remove from View		
2 Add to browser Pavorites		
😰 Refresh		
	New User ID:	
	Add Dublishes Hear	
	Add Publisher Öser	
	Add Subscriber User	
	Add Publisher And Subscriber User	
	Remove User	
	ОК	

4. Enter a user ID in the single-line field provided and click **Add** for the desired user type (client, server, publisher or subscriber).

Or:

Remove a user from an existing list by selecting the user and clicking Remove User.

5. When the user list is complete, choose **OK** to confirm.

Note:

User names are not case-sensitive. Use asterisk notation to define a range of users. For example: user ID "USA*" represents all users whose ID starts with "USA" (including user "USA").