Using the Broker Information Service with SMH

This chapter covers the following topics:

- Administering a Broker Instance
- Filtering Clients
- Filtering Conversations
- Filtering the User
- Filtering Participants
- Filtering the Persistent Store
- Filtering the Publication
- Filtering the Publisher
- Filtering Servers
- Filtering Services
- Filtering the Subscriber
- Filtering the Topic

Administering a Broker Instance

- To administer a broker instance
 - 1. Select the EntireX Broker node below the EntireX node in System Management.
 - 2. Select the broker instance to be administered.
 - 3. If the broker instance is a remote broker instance (running on another node), see *Setting the User Credentials for a Broker Instance*.
 - 4. Expand the broker instance node to view and administer the properties for the following objects:

Object	Information Reply Structure	Summary View	Filter Results
Broker	BROKER-OBJECT		
Worker	WORKER-OBJECT		
Service	SERVICE-OBJECT	Х	Х
Server	CLIENT-SERVER-PARTICIPANT-OBJECT	Х	Х
Client	CLIENT-SERVER-PARTICIPANT-OBJECT	Х	Х
Participant	CLIENT-SERVER-PARTICIPANT-OBJECT	Х	
Conversation	CONVERSATION-OBJECT	Х	
Persistent Store	PSF-OBJECT	Х	Х
Persistent Store DIV	PSFDIV-OBJECT		
Persistent Store Adabas	PSFADA-OBJECT		
Persistent Store File	PSFFILE-OBJECT		
Persistent Store c-tree	PSFCTREE-OBJECT		
Topic	TOPIC-OBJECT		Х
Subscriber	SUBSCRIBER-OBJECT	Х	Х
Publisher	PUBLISHER-OBJECT	Х	Х
Publication	PUBLICATION-OBJECT		Х
Cmdlog Filter	CMDLOG_FILTER-OBJECT		
Security	SECURITY-OBJECT		
ТСР	TCP-OBJECT		
SSL	SSL-OBJECT		
Net-Work	NET-OBJECT		
Pool-Usage	POOL-USAGE-OBJECT		
Resource-Usage	RESOURCE-USAGE-OBJECT		
Statistics	STATISTICS-OBJECT		
User	USER-OBJECT	X	X
Worker-Usage	WORKER-USAGE-OBJECT		

Notes

• For a summary view, expand the node and select the required object:

Administering a Broker Instance

- 🔀 webMethods EntireX 8.2 - 🎉 EntireX Broker		Service				
ETB001				🖳 20	Q.	
Bog Broker Bog Worker		Class/Server/Service	Deregister Service	Active servers	Attach managers	Active conv
Service		SAG/ETBCIS/INFO		1	0	1
ing Server		SAG/ETBCIS/USER-INFO		1	0	0
Participant		SAG/ETBCIS/CMD		1	0	0
[] Conversation I Cmdlog Filter		SAG/ETBCIS/PARTICIPANT- SHUTDOWN		1	0	0
TCP		SAG/ETBCIS/SECURITY-CMD		1	0	0
🔯 Pool Usage		SAG/ETBCIS/RPCCIS		1	0	0
Resource Usage		RPC/RPCCIS/CALLNAT		1	0	2
Montor Osage	-	4				► ·

• For detailed information, select an item from the summary view:

webMethods EntireX 8.2 A EntireX Broker	Service Details	
ETB001	Property	Value 🗖
💑 Worker	Server Class	SAG
🧟 Service	Server Name	ETBCIS
Server	Service	INFO
est client	Translation	
Conversation	Active Servers	1
Cmdlog Filter	Conversations (active)	1
TCP	Conversations (high)	7
	Conversation timeout	0d 00h 00m 35s
🗟 Worker Usage	Long Buffers (active)	1

• The items can be filtered. For an example, see *Filtering Services*.

webMethods EntireX 8.2	Service				_
Erection			10	Q	
Set Broker	Class/Server/Service	Deregister Service	Active servers	Attach managers	Active conv
Service	SAG/ETBCIS/INFO		1	0	1
🦕 Server	SAG/ETBCIS/USER-INFO		1	0	0
Participant	SAG/ETBCIS/CMD		1	0	0
Conversation	SAG/ETBCIS/PARTICIPANT- SHUTDOWN		1	0	0
	SAG/ETBCIS/SECURITY-CMD		1	0	0
Pool Usage	SAG/ETBCIS/RPCCIS		1	0	0
📷 Resource Usage	RPC/RPCCIS/CALLNAT		1	0	2
within codge	4				Þ

Filtering Clients

D To filter clients

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Click on the "+" sign of the broker name to be administered.

Note:

The broker must be running in order to display the Client subtree.

3. Select Client.

- 4. From the context menu, choose Filter.
- 5. Enter the data for UserID or Token that you would like to filter.

webMethods EntireX 8.2 EntireX Broker	Filter for Client
	User ID
Broker	Token
Service	
Carrier Server	Note: 👐 is allowed as a wildcard in all fields.
🧔 Client 🕌 Filter	
Particip Add to View Conver Conver Condoa Remove from View	OK Cancel
TCP Add to Browser Favorites	
Resource	
🛃 Worker Usage	

Filtering Conversations

To filter conversations

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Click on the "+" sign of the broker name to be administered.

Note:

The broker must be running in order to display the Client subtree.

3. Select Conversation.

- 4. From the context menu, choose Filter.
- 5. Enter the data for UserID or Token that you would like to filter.

6. Choose OK.

webMethods EntireX 8.2 EntireX Broker	Filter for Conversation	<u>^</u>
Eiter	Conversation ID	
Add to Use	User ID - Server	
Remove from View	Token - Server	
Add to Browser Favorites	Server Class	
Pefresh	Server Name	
Conversation	Service	
Er Cmdlog Filter	Conversation Type Conversational	v
📓 Pool Usage 📾 Resource Usage 🙈 Worker Usage	Note: '*' is allowed as a wildcard in	all fields.

Filtering the User

To filter the user

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the Broker instance on which the user is present.

Note:

The broker must be running in order to display the User subtree.

- 3. Select the user.
- 4. From the context menu, choose Filter.
- 5. Enter the data for User ID and Token that you would like to filter.
- 6. Choose OK.

ETB001	Filter for	User	
💑 Worker	User ID		
🥁 Service	Tokon		
Carl Server	TUKEIT		
lient 🦉			
Participant		Note: '*' is allowed as a wildcard in all fields.	
Conversation			
🖶 Cm 🐈 Filter			
Image: TCF Add to View Image: Poo Add to View Image: Res Remove from View		ОК	Cancel
🛃 Wol 😭 Add to Browser Favorites			
Stal & Refresh			

Filtering Participants

> To filter participants

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Click on the "+" sign of the broker name to be administered.

Note:

The broker must be running in order to display the Client subtree.

3. Select Participant.

- 4. From the context menu, choose Filter.
- 5. Enter the data for UserID or Token that you would like to filter.

webMethods EntireX 8.2 EntireX Broker	Filter for Participant
	User ID
Broker	Token
Worker	
Can Service	Marker, Mitte alleving data and state all Colda
Jen Client	Noce; " is allowed as a wildcard in all rields.
Particip -4 Filter	
Conver Cmdlog TCP Pool Us Remove from View Pool Us Resourt Worker Verfresh	OK Cancel

Filtering the Persistent Store

To filter the persistent store

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance on which the unit of work is present. The persistent store attributes (such as PSTORE, PSTORE-TYPE, STORE, DEFERRED, and UWSTATP etc.) must be configured and the broker must be running in order to display the **Persistent Store**.
- 3. Select the **Persistent Store** node to display a summary list of units of work.

Note:

A message box will pop up if the table is larger than 3,000 rows. You may prefer to apply a filter to your UOW table. See the filter command in the command menu. It might take several minutes to display all of the contents if you choose not to use the filter.

- 4. Choose Filter.
- 5. Click the check boxes for **Received**, **Accepted**, **Delivered**, **Backed Out**, **Processed**, **Cancelled**, **Timed Out** or **Discarded** that you would like to filter.
- 6. Choose OK.

webMethods EntireX 8.2 🛋 🛋	Filter for Persistent Store
	UOW state - Received
E = = € ETB002 E - = = € ETB003	UOW state - Accepted V
Broker	
🖧 Worker	UOW state - Backed Out
Revice	UOW state - Processed
Server	UOW state - Cancelled
Client	UOW state - Timed Out
Conversation	UOW state - Discarded
Filter rsistent Store	
Add to View rsistent Store DIV Remove from View pic Add to Browser Favorites Add to Browser Favorites Refresh blisher TCP	UK Cancel

Filtering the Publication

> To filter the publication

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the Broker instance on which the publication is present.

Note:

Pub/Sub must be enabled in the Broker attribute file, a license file for Pub/Sub must be installed, the Broker must be running, and a user must be published for a topic in order to display the data for the publication.

3. Select Publication.

- 4. From the context menu, choose **Filter**.
- 5. Enter the data for **Topic**, **User ID** or **Token** and **Publication ID**.

	Filter for Publication
Broker Service Service Client Participant	Topic User ID Token Publication ID
Conver Persists Persists Add to View Topic Persists Add to View Subscri Publist Publist Publist Publist Publist Prefresh Persists Persists Add to Browser Favorites Persists Persists Add to Browser Favorites Persists Publists Persists Persists Publists Persists Publists Persists Publists Publists Publists Publists Publists Publists Publists Publists Publists Publists Publists Publists Publists Publists Publists Persists Publists Persists Persists Publists Publists Publists Persists Publists Persists	Note: ** is allowed as a wildcard in all fields. OK Cancel

Filtering the Publisher

To filter the publisher

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the Broker instance on which the publisher is present.

Note:

Pub/Sub must be enabled in the Broker attribute file, a license file for Pub/Sub must be installed, the Broker must be running, and a user must be published for a topic in order to display the data for the publisher.

3. Select Publisher.

- 4. From the context menu, choose Filter.
- 5. Enter the data for User ID and Token that you would like to filter.
- 6. Choose OK.

ETB002 ▲	Filter for I	Publisher
Broker	User ID	
Korker	Token	
Canal Server		
Client		Note: '*' is allowed as a wildcard in all fields.
📲 Particip 🚔 Filter		
Convei Add to View		
Persist Remove from View		OK Cancel
🔄 Topic 📑 Add to Browser Favorites 🚽		
Subscr 🖗 Refresh		
Publish.		
Publication		
TCP TCP		

Filtering Servers

D To filter servers

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Click on the "+" sign of the broker name to be administered.

Note:

The broker must be running in order to display the Server subtree.

3. Select Server.

- 4. From the context menu, choose Filter.
- 5. Enter the data for UserID, Token, Server Class, Server Name or Service.

	Filter for :	Server
	User ID Token Server Class Server Name Service	
Ferse Topic Perse Topic Publication Top TCP		Note: * is allowed as a wildcard in all fields. OK Cancel

Filtering Services

D To filter services

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Click on the "+" sign of the broker name to be administered.

Note:

The broker must be running in order to display the Service subtree.

3. Select Service.

- 4. From the context menu, choose Filter.
- 5. Enter the data for Server Class, Server Name and Service.

	Filter for	Service
Broker Worker Server Client Particit Conver Add to Browser Favorites Percist	Server Class Server Name Service	Note: '*' is allowed as a wildcard in all fields.
Persist Persist Topic Subscriber Publisher Publication		OK Cancel

Filtering the Subscriber

To filter the subscriber

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the Broker instance on which the subscriber is present.

Note:

Pub/Sub must be enabled in the Broker attribute file, a license file for Pub/Sub must be installed, the Broker must be running, and a user must be subscribed to a topic in order to display the data for the subscriber.

- 3. Select Subscriber.
- 4. From the context menu, choose **Filter**.
- 5. Enter the data for **Topic**, **User ID**, **Token**; select **Subscription Type**, **Active Subscriber** and **Swapped Out** that you would like to filter.
- 6. Choose OK.

	Filter for Subscriber			
Broker	Topic			
is worker Service → Filter	User ID			
Gerver 🔢 Subscribe	Token			
🗐 Client 🎦 Unsubscribe	Subscription Type			
Add to View Conver Persist Remove from View	Active Subscriber			
🗐 Persisti 😭 Add to Browser Favorites	Note: '*' is allowed as a wildcard in all fields.			
🔄 Topic 😰 Refresh				
Difference Publisher	OK Cancel			

Filtering the Topic

D To filter the topic

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the Broker instance on which the topic is present.

Note:

Pub/Sub must be enabled in the Broker attribute file, a license file for Pub/Sub must be installed, the Broker must be running, and a user must be subscribed to a topic in order to display the data for the topic.

3. Select Topic.

- 4. From the context menu, choose Filter.
- 5. Enter the data for the **Topic** that you would like to filter.
- 6. Choose OK.

	Filter for Topic	
Broker	Topic	(**' is allowed as a wildcard)
		0Y Cancel
Gier Add to View		
Con Remove from View		
Pers Add to Browser Favorites		
Disseries		
Publication		