Using the Broker Command Service with SMH

This chapter covers the following topics:

- Connecting/Disconnecting Persistent Store
- Allowing and Forbidding new UOW Messages
- Setting a Broker Instance's Trace Level
- Flushing a Broker Instance's Trace Buffer
- Flushing a Broker Instance's Trace Buffer on Error
- Producing Statistics of a Broker Instance
- Setting the Persistent Store Trace Level
- Setting the Security Trace Level
- Deregistering a Server
- Deregistering a Service
- Purging Unit(s) of Work
- Subscribing a User
- Unsubscribing a User
- Logging Off a Subscriber
- Logging Off a Publisher
- Enabling/Disabling Cmdlog
- Switching Cmdlog
- Adding Cmdlog Filter
- Enabling/Disabling Cmdlog Filter
- Deleting Cmdlog Filter

Connecting/Disconnecting Persistent Store

To connect or disconnect a Persistent Store

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance to be administered.
- 3. To connect a persistent store, select Connect PStore.
- 4. To disconnect a persistent store, select **Disconnect PStore**.

As a result, a confirmation screen will appear.

5. Choose **OK** or **Cancel**.



Allowing and Forbidding new UOW Messages

- To allow or forbid a Broker instance to accept new unit-of-work messages
 - 1. Select the EntireX Broker node below the EntireX node in System Management.
 - 2. Select the broker instance to be administered.
 - 3. To allow new unit-of-work messages, select Allow new UOW MSGs.
 - 4. To forbid new unit-of-work messages, select Forbid new UOW MSGs.

As a result, a confirmation screen will appear.

5. Choose **OK** or **Cancel**.



Setting a Broker Instance's Trace Level

- To set a broker instance's trace level
 - 1. Select the EntireX Broker node below the EntireX node in System Management.
 - 2. Select the broker instance to be administered.
 - 3. Choose Trace Settings.
 - 4. Select a Trace Level between 1 and 4 or off.
 - 5. Choose OK.



Flushing a Broker Instance's Trace Buffer

- To flush a broker instance's trace buffer
 - 1. Select the EntireX Broker node below the EntireX node in System Management.
 - 2. Select the broker instance to be administered.
 - 3. Choose Trace Settings.
 - 4. Trace Level must be between 1 and 4. Press Flush to confirm.

Flushing a Broker Instance's Trace Buffer on Error

- To flush a broker instance's trace buffer
 - 1. Select the EntireX Broker node below the EntireX node in System Management.
 - 2. Select the broker instance to be administered.
 - 3. Choose Trace Settings.
 - 4. **Trace Level** must be between 1 and 4. Enter a number between 1 and 9999 in the **Error Number** field and press **Flush on Error**.

Producing Statistics of a Broker Instance

- To produce statistics of 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. Choose Trace Settings.
- 4. Trace Level must be between 1 and 4. Press Produce Statistics.

Setting the Persistent Store Trace Level

- **To set the persistent store trace level**
 - 1. Select the EntireX Broker node below the EntireX node in System Management.
 - 2. Select the broker instance to be administered.
 - 3. Select a subnode of Persistent Store (either Persistent Store ADA or Persistent Store CTree).
 - 4. Choose Set Trace Level.
 - 5. Select a Trace Level between 1 and 4 or off.
 - 6. Choose OK.

webMethods EntireX 8.2 webMethods EntireX 8.2 web EntireX Broker	<u> </u>	Set the Persistent Store Trace Level for ETB001
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Image: State P Store Trace Level sistent Store Ciree Add to View dlog Filter Remove from View I Usage Image: Add to Browser Favorites source Usage		
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Setting the Security Trace Level

To set the security trace level

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance to be administered.
- 3. Select Security.
- 4. Set the security trace level by selecting a value between 1 and 4 in the Set the Trace Level box.
- 5. Choose OK.

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Deregistering a Server

To deregister a server

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance on which the server is running.
- 3. Select the **Server** node to display a summary list of servers.
- 4. From the column **Deregister Server**, choose icon **Shut Down Server**.
- 5. Choose the deregistration mode.

For deregister immediately, a server process will only be terminated if the server status is wait.

6. Confirm the deregistration by choosing **OK**.

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Deregistering a Service

To deregister a service

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance on which the server is running.
- 3. Select the Service node to display a summary list of servers.
- 4. From the column Deregister Service, choose icon Deregister Service.
- 5. Choose the deregistration mode.
- 6. Confirm the deregistration by choosing **OK**.

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lient 🖉	SAG/ETBCIS/USER-INFO		1	U	0
Participant	SAG/ETBCIS/CMD		1	0	0
Conversation	SAG/ETBCIS/PARTICIPANT-		1	0	0
Persistent Store	SHUIDOWN				
Persistent Store CTree	SAG/ETBCIS/SECURITY-CMD		1	0	0
E Cmdlog Filter	SAG/ETBCIS/RPCCIS		1	0	0
TCP TCP	RPC/RPCCIS/CALLNAT		1	0	0
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Purging Unit(s) of Work

To purge a unit of work

- 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.
- 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 Purge.
- 5. Choose OK.

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Conversation		1000000010000	104	1		Cancelled (6)		100000001000007	1	30000
📑 Persistent Store		100000001000	05	1		Cancelled (6)		10000000100008	1	20000
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kesource Usage		1000000010001				(Concerning 176)		10000000100000	1	20000
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🚨 User	-	1000000010000	IOB	1		Cancelled (6)		10000000100000E	1	30000

To purge all units of work

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance on which the units of work are present.
- 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 Purge All UOWs at the bottom of the table. A confirmation message will appear.
- 5. Choose OK or Cancel.

Purging Unit(s) of Work

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Statistics	¥			Purg	ge All UOWs		
🔜 Worker Usage		<u> </u>					
Resource Usage		4		Cancollod (0)	100000001000000		3000
🔤 Pool Usage		10000000100000	1	Cancelled (6)	100000001000000	1	3000
Ren TCP		100000001000003	1	Cancelled (6)	10000000100000M	1	3000
		10000000100000I	1	Cancelled (6)	10000000100000L	1	3000
Persistent Store		10000000100000H	1	Cancelled (6)	10000000100000K	1	3000
Conversation	- 1	10000000100000G	1	Cancelled (6)	10000000100000J	1	3000
Participant		10000000100000F	1	Cancelled (6)	10000000100000I	1	3000
Client		10000000100000E	1	Cancelled (6)	10000000100000H	1	3000
		10000000100000D	<u>_</u>	Cancelled (6)	10000000100000G	1	3000
Service		10000000100000C		Cancelled (6)	10000000100000F	1	3000
Broker		1000000010000B	*	Cancelled (6)	10000000100000E	1	3000
		1000000010000A	*	Cancelled (6)	100000001000000	1	3000
🖃 🚉 EntireX Broker		10000000100000	-	Cancelled (6)	100000001000000	-	2000

All units of work will be purged. The number of purged UOWs is reported in a screen similar to the one below.



Subscribing a User

To subscribe a user

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

Note:

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

- 3. Select Topic (or Subscriber).
- 4. From the context menu, choose Subscribe.
- 5. If you are on the **Topic** node, enter the data for **User ID** and **Token**; if you are on the **Subscriber** node, specify the topic that you would like to subscribe to.
- 6. Choose OK.

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Unsubscribing a User

To unsubscribe a user

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

Note:

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

- 3. Select Topic (or Subscriber).
- 4. From the context menu, choose Unsubscribe.
- 5. If you are on the **Topic** node, enter the data for **User ID** and **Token**; if you are on the **Subscriber** node, specify the topic that you would like to unsubscribe from.
- 6. Choose OK.

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		User	*		
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Logging Off a Subscriber

To log off a 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 Logoff.
- 5. Choose the logoff mode.

6. Choose OK.

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Logging Off a Publisher

To log off a 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 from a topic in order to display the data for the Publisher.

- 3. Select Publisher.
- 4. Choose Logoff.
- 5. Choose the logoff mode.
- 6. Choose OK.
- 7. After a Publisher is shut down successfully, it will be removed from the list.

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Enabling/Disabling Cmdlog

To enable/disable cmdlog

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance on which the Cmdlog filter is present. Cmdlog must be enabled in the broker attribute file and the broker must be running.
- 3. From the context menu, choose Cmdlog Filter.
- 4. Choose Enable Cmdlog or Disable Cmdlog.

Enabling/Disabling Cmdlog



Switching Cmdlog

To switch cmdlog

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance on which the Cmdlog filter is present. Cmdlog must be enabled in the broker attribute file and the broker must be running.
- 3. From the context menu, choose Cmdlog Filter.
- 4. Choose Switch Cmdlog.



Adding Cmdlog Filter

To add a cmdlog filter

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance on which the Cmdlog filter is present. Cmdlog must be enabled in the broker attribute file and the broker must be running.
- 3. From the context menu, choose Cmdlog Filter.
- 4. Choose Add Cmdlog Filter.
- 5. Enter the data for user ID and Class/Server/Service or Topic you would like to filter.
- 6. Choose **OK** to add a Cmdlog filter to the list.

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Enabling/Disabling Cmdlog Filter

> To enable/disable a cmdlog filter

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance on which the Cmdlog filter is present. Cmdlog must be enabled in the broker attribute file and the broker must be running.
- 3. From the context menu, choose Cmdlog Filter.
- 4. Choose Enable Cmdlog Filter or Disable Cmdlog Filter.



Deleting Cmdlog Filter

> To delete a cmdlog filter

- 1. Select the EntireX Broker node below the EntireX node in System Management.
- 2. Select the broker instance on which the Cmdlog filter is present. Cmdlog must be enabled in the broker attribute file and the broker must be running.
- 3. From the context menu, choose Cmdlog Filter.
- 4. Choose **Delete Cmdlog Filter** to remove a Cmdlog filter from the list.

