

Monitoring EntireX Message Service Provider

To monitor items in point-to-point messaging (queues, messages, senders, and receivers) or items in publish-and-subscribe messaging (topics, messages, publishers, and subscribers) use the `etbinfo` tool. This is located in the subfolder *bin* of the installation folder. See *Command-line Utilities* for a general description of this tool. It displays Broker status information given by the Broker ID. You can select the information by several criteria and format the display with profiles. In the following, we use the delivered profiles to obtain information on items related to JMS. You can edit copies of the delivered profiles to tailor the output to your needs.

For point-to-point messaging you can use the System Management Hub with the Agent for the Broker to monitor queues, messages, senders and receivers. See *Broker Administration using System Management Hub* under UNIX | Windows for this agent.

This chapter covers the following topics:

- Monitoring Queues
 - Monitoring Messages
 - Monitoring Senders
 - Monitoring Receivers
 - Monitoring Topics
 - Monitoring Publications
 - Monitoring Publishers
 - Monitoring Subscribers
-

Monitoring Queues

Enter the command

```
etbinfo -b broker id -d SERVICE -c JMS -p service.pro
```

to display the queues currently being used. To display only the temporary queues, add `-s TMPQUEUE`. To display only the non-temporary queues, add `-s QUEUE`. The data retrieved is defined in the profile *service.pro*.

Monitoring Messages

Enter the command

```
etbinfo -b broker id -d PSF -e JMS -p psf.pro
```

to display data for all the units of work containing messages. For transacted sessions and client-acknowledged messages, a unit of work contains all the messages of one transaction or one acknowledgment. Otherwise, each unit of work contains one message. The JMS message IDs are not visible. The parameter `-e JMS` restricts the selected data to all units of work sent to a JMS queue (receiver class is JMS). The data retrieved is defined in the profile *psf.pro*.

Monitoring Senders

Enter the command

```
etbinfo -b broker id -d CLIENT -p client.pro
```

to display all the clients (senders) currently logged on to the Broker. The data retrieved is defined in the profile *client.pro*.

Monitoring Receivers

Enter the command

```
etbinfo -b broker id -d SERVER -p server.pro
```

to display all the servers (receivers) currently registered at the Broker. If you want to monitor receivers for one queue, use:

```
etbinfo -b broker id -d SERVER -c JMS -n name of queue -s QUEUE -p server.pro
```

The data retrieved is defined in the profile *server.pro*.

Monitoring Topics

Enter the command

```
etbinfo -b broker id -d TOPIC -l FULL -p topic.pro
```

to display data for all the topics currently available in the Broker. The data retrieved is defined in the profile *topic.pro*.

Monitoring Publications

Enter the command

```
etbinfo -b broker id -d PUBLICATION -l FULL -p public.pro
```

to display data for all the publications currently available in the Broker. A publication is a transaction of a transacted session or a bundle of messages from one acknowledgment. For acknowledge modes `AUTO-ACKNOWLEDGE`, `DUPS_OK_ACKNOWLEDGE` each publication contains one message. The data retrieved is defined in the profile *public.pro*.

Monitoring Publishers

Enter the command

```
etbinfo -b broker id -d PUBLISHER -l FULL -p pubshr.pro
```

to display all the publishers currently logged on to the Broker. The data retrieved is defined in the profile pubshr.pro.

Monitoring Subscribers

Enter the command

```
etbinfo -b broker id -d SUBSCRIBER -p subscbr.pro
```

to display all the subscribers currently in the Broker. To select all of the subscribers to a topic use:

```
etbinfo -b broker id -d SUBSCRIBER -T topic name -p subscbr.pro
```

The data retrieved is defined in the profile subscbr.pro.