



BEA JRockit Mission Control™®

Introduction to BEA JRockit Browser

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Welcome to the BEA JRockit Browser

The JRockit Browser is a tree view of the JRockits running on your network. Other plug-ins, for example, the JRA tool, uses the JRockit Browser to access the connection(s) on which to operate.

When you launch JRockit Mission Control, the JRockit Browser is automatically opened.

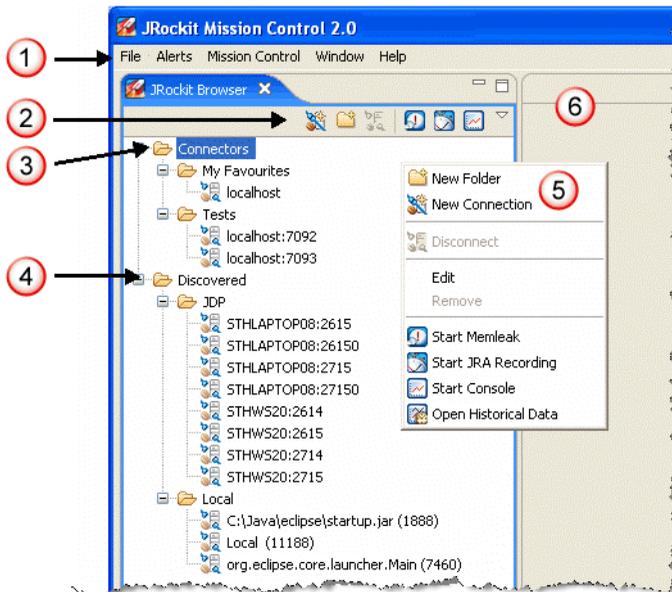
This section is divided into the following topics:

- [Getting Familiar with the JRockit Browser Window](#)
- [Customizing the JRockit Browser](#)
- [Adding a Connector](#)
- [Launching other JRockit Mission Control Plug-ins](#)
- [Discovering JRockits](#)

Getting Familiar with the JRockit Browser Window

The JRockit Browser window is automatically launched when you open JRockit Mission Control (see [Figure 1-1](#)). In the Browser you set up all your connections to other JRockits both JVMs that are local on your machine and JVMs that are discovered on the network (through JDP).

Figure 1-1 Overview of the JRockit Browser Window



1. Menu items for JRockit Mission Control. These menus are available for all JRockit Mission Control plug-ins.
2. Buttons to create connections and connector folders as well as launching the JRockit Mission Control plug-ins.
3. List of connected JRockits that you have defined yourself.
4. List of discovered (through JDP and locally) JRockits. A JRockit discovered by JDP, can be dragged and dropped to the Connectors folder.
5. Menu to create connections and connector folders as well as launching the JRockit Mission Control plug-ins.
6. Window where the different JRockit Mission Control plug-ins launch.

Customizing the JRockit Browser

Under the Preference settings for the JRockit Browser, you find settings for the JRockit Browser itself and plug-ins that plug-in to the Browser, such as JDP (see [About the JRockit Discovery Protocol \(JDP\)](#)) and local attach (see [About Locally Discovered JRockits](#)).

About JRockit Browser Preferences

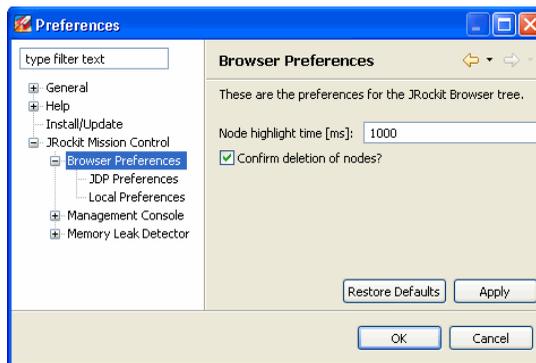
The JRockit Browser Preferences consist of setting the node highlight time and setting whether or not to get a confirmation message when removing a connection. Every time a JRockit node is moved or automatically discovered for the first time, it is highlighted in the JRockit Browser tree.

To set JRockit Browser preferences

1. Click **Window > Preferences**.
2. Click **JRockit Mission Control > Browser Preferences**.

The **Browser Preferences** opens (see [Figure 1-2](#)).

Figure 1-2 JRockit Browser Preferences



3. Change the highlight time, the confirmation of removal question, or restore to the default settings.
4. Click **Apply** if you want to change something else in the **Preference** window.
5. Click **OK** when you are done.

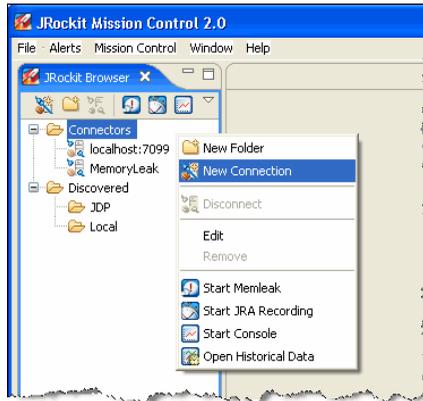
Adding a Connector

You can add your favorite JRockit connectors to the Connectors folder, so that you always have them readily at hand.

To add a connector

1. Right-click in the JRockit Browser (see [Figure 1-3](#)).

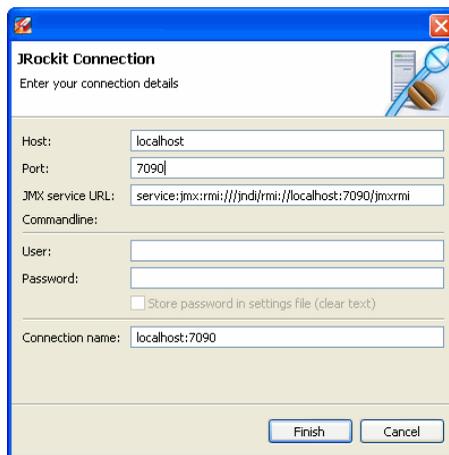
Figure 1-3 Right-click menu



2. Select **New Connection**.

The **JRockit Connection** window appears (see [Figure 1-4](#)).

Figure 1-4 JRockit Connection window



3. Type in a **Host**, **Port**, and a **Connection name**.
4. Click **Finish**.

The new connection is added to the **Connectors** folder.

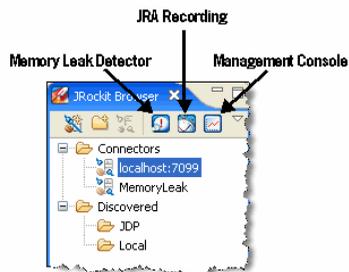
Launching other JRockit Mission Control Plug-ins

From the JRockit Browser, you start any other JRockit Mission Control application you have installed in JRockit Mission Control.

To start other Mission Control applications

1. Select a connector.
2. Click on the button for the application that corresponds to what you want to do (see [Figure 1-5](#)).

Figure 1-5 Starting other Mission Control applications



3. The application launches in the main **Mission Control** window.

Discovering JRockits

The JRockit Browser contains folders for automatically discovered JVMs. There are two ways that JVMs can be discovered: through JDP and local attach.

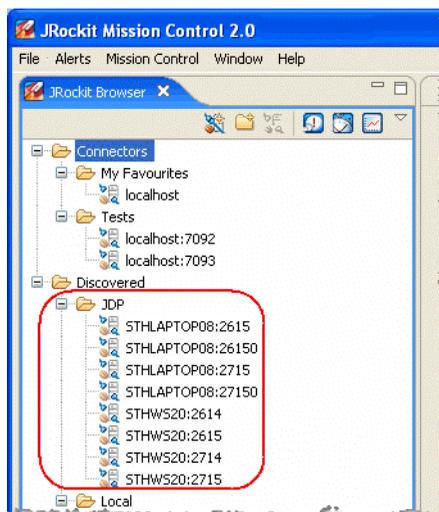
This section is divided into the following topics:

- [About the JRockit Discovery Protocol \(JDP\)](#)
- [About Locally Discovered JRockits](#)

About the JRockit Discovery Protocol (JDP)

The JRockit Discovery Protocol (JDP) allows you to have the JRockit Browser look for additional JRockit instances in your network. The JRockits that are found will appear in the **Discovered > JDP** folder in the JRockit Browser (see [Figure 2-1](#)).

Figure 2-1 Many JRockits Discovered through JDP



JRockits are discovered automatically through JDP since the `autodiscovery` parameter is set to true (`-Xmanagement:autodiscovery=true`). You might need to send more parameters to the option, for example, `port=<number>`.

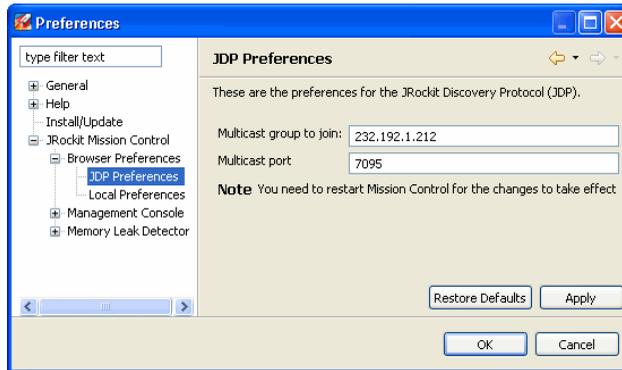
You can change the preferences for JDP, i.e. set which multicast group to join and which port to listen to.

To set JDP preferences

1. Click **Window > Preferences**.
2. Click **JRockit Mission Control > Browser Preferences > JDP Preferences**.

The **JDP Preferences** opens (see [Figure 2-2](#)).

Figure 2-2 JDP preferences



3. Set an address for the multicast group to join.
4. Set a port to listen to.
5. Click **Apply** if you want to change something else in the **Preference** window.

Note: You need to restart JRockit Mission Control for the changes to take effect.

6. Click **OK** when you are done.

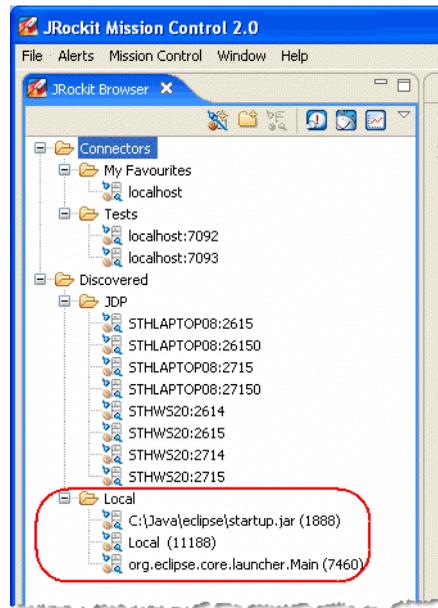
About Locally Discovered JRockits

In the **Discovered > Local** folder in the JRockit Browser, you will see locally discovered JVMs, i.e. JRockits that are running on your computer. Through the Mission Control tools, you are able to connect to these JRockits, even though they have not been started with the `-xmanagement` option.

Note: You can connect to locally discovered JRockits if the discovered JRockit is R27.1 or later and runs Java SE 5.0 or later.

Figure 2-3 shows how the JRockit Browser looks with many locally discovered JRockits.

Figure 2-3 Locally Discovered JRockits



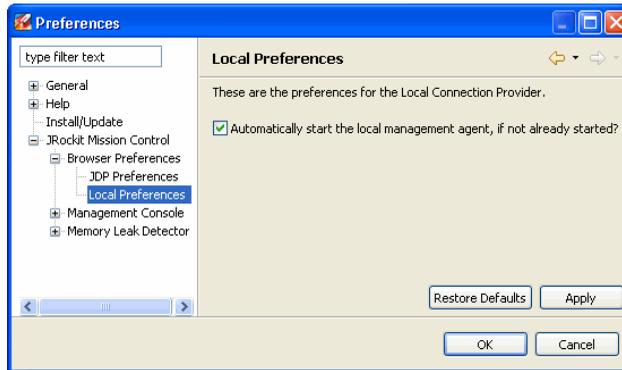
If you cannot connect to a locally discovered JRockit, it probably means that the JRockit is an older version than R27.1 or not Java SE 5.0 or later. It can also mean that it was not started with the `-Xmanagement` option and the preference setting does not allow the management agent to be started (see [To change preferences for locally discovered JRockits](#)).

To change preferences for locally discovered JRockits

1. Click **Window > Preferences**.
2. Click **JRockit Mission Control > Browser Preferences > Local Preferences**.

The **Local Preferences** opens (see [Figure 2-4](#)).

Figure 2-4 Local Preferences



3. Select **Automatically start the local management agent, if not already started?**

If the option **Automatically start the local management agent, if not already started?** is turned off (unchecked), then Mission Control is not able to connect to the JRockits that are locally discovered, unless they were started with the `-Xmanagement` option.

4. Click **Apply** if you want to change something else in the **Preference** window.
5. Click **OK** when you are done.

