

RSE Setup

The Remote Systems Explorer is a useful tool for implementing remote development on EMAC products. It does require some initial setup, however. This page will guide developers through the process of selecting the RSE perspective and using it to create a connection in the Remote Systems View.

This setup assumes that both Eclipse and the EMAC OE SDK are installed.

Open the RSE Perspective

The first step to any task involving remote application development, execution, or debugging is to open the RSE Perspective. Follow the steps below to begin this process.

Procedure

1. Open the Eclipse application.
2. Click *Window* → *Open Perspective* → *Other...*
3. Select *Remote System Explorer* as shown in Figure 1. The list of available perspectives may differ depending on which plugins are installed on Eclipse.

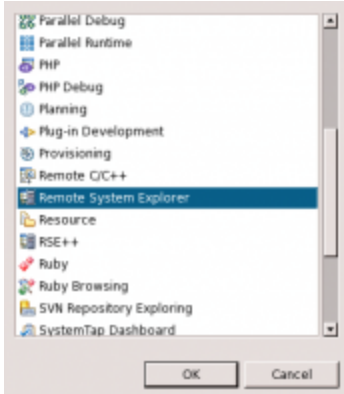


Figure 1. Open Perspective dialog

Create a Remote Connection

This set of configuration steps assumes that Eclipse has the RSE Perspective active.

Remote connections can be established and accessed from perspectives other than the RSE Perspective. It is used for this procedure because it opens all the necessary views by default. These views can be accessed in other perspectives using *Window* → *Show View* → *Other...* to activate a dialog with a categorized list of Eclipse views.

Procedure

1. Right-click the blank space in the Remote Systems view.
2. Select *New* → *Connection...* in the context menu to bring up the Select Remote System Type dialog as shown in Figure 2.
3. Select *General* → *SSH Only*. Click *Next* >

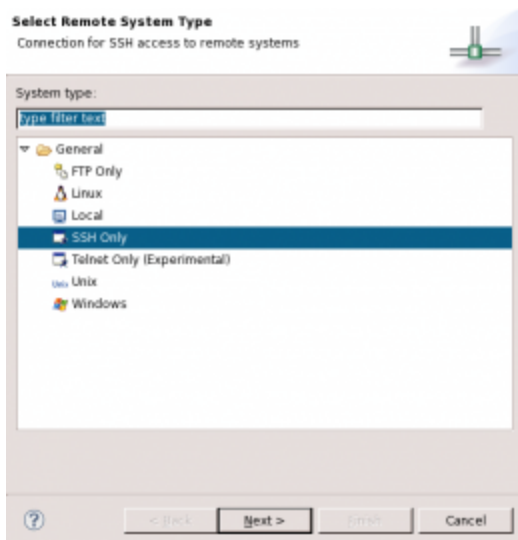


Figure 2. Select Remote System Type

4. Using Figure 3 as a guide, enter the following information:
- Enter the target's IP address
 - Optional: enter a Connection Name and Description
 - Leave all other options set to their defaults.

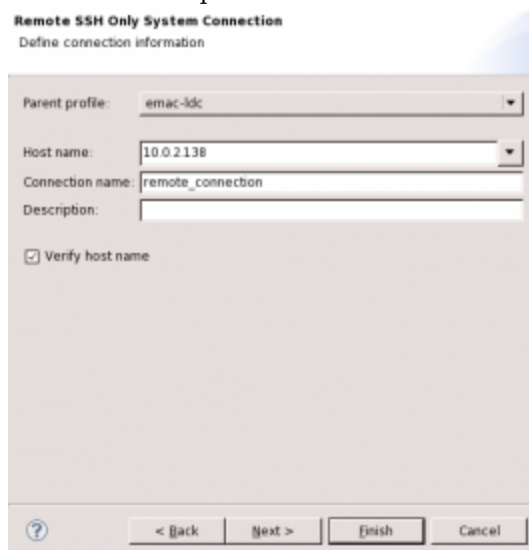


Figure 3. Remote SSH Only System Connection

5. Click *Finish*.

Once the Remote Connection is created, the Eclipse workbench should appear as shown in Figure 4 below.

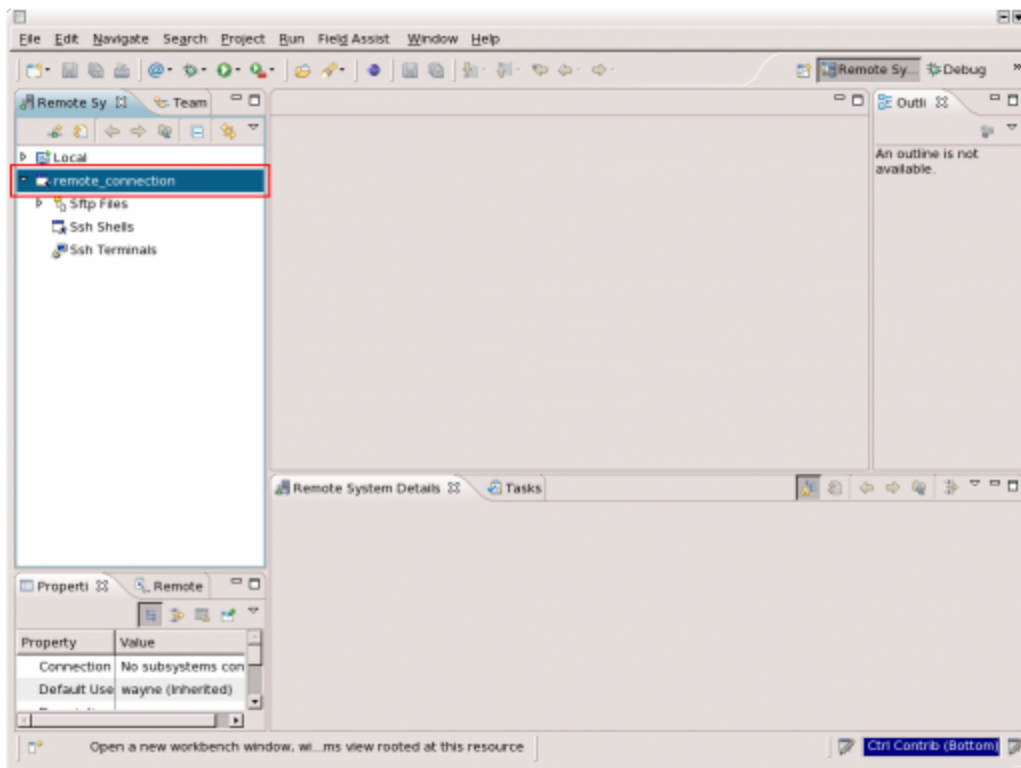


Figure 4. Initial RSE Perspective With New Connection

Initiate an RSE Connection

To use the new connection to connect to the remote machine:

1. Right-click on the new connection in the Remote Systems View. The one created in the above section is highlighted in red in Figure 4.
2. Select *Connect*.
3. Set the User ID to the user you wish to use on the remote system. The default user for EMAC products is "root".
4. Set the Password for the user chosen in the previous step. The default password for the default EMAC user is "emacs_inc".

Once connected, the Properties View and the Remote System Details View will be updated to reflect the remote systems' details. This is shown below in Figure 5. Note that the Remote System Details View also shows information about local host connections.

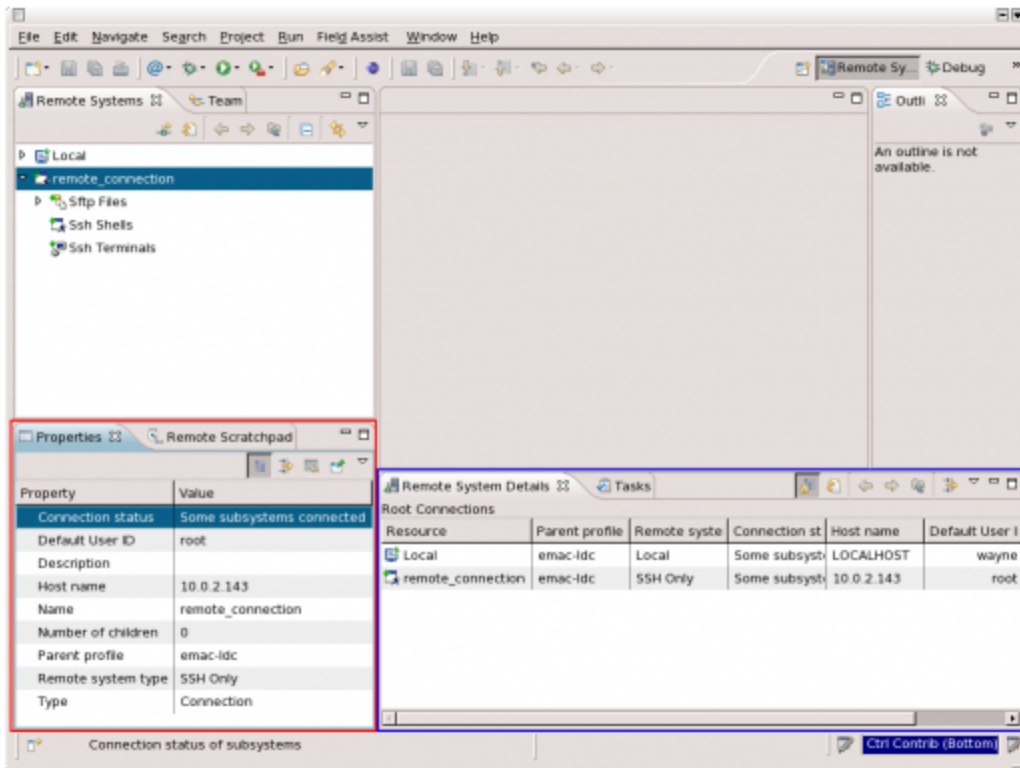


Figure 5. RSE Perspective With Active Connection

Figure 5 has the Properties View highlighted in red and the Remote System Details View highlighted in blue. The Properties View provides information about but no control over the remote system whereas the Remote System Details View provides control in the form of the same Connection context menu available in the Remote Systems View.

Next Steps

Learn more about [RSE](#) by following the RSE SFTP Guide.

See Also

- Eclipse IDE
 - Install
 - Development System Configuration
 - First Time Using Eclipse
 - Import EMAC OE SDK
 - Eclipse Terminal View
 - Using the EMAC OE SDK Examples Projects
 - Create New EMAC OE SDK Projects
 - Using the EMAC OE SDK Eclipse Plugin
 - Remote System Explorer Configuration
 - RSE Setup
 - RSE SFTP Setup
 - Remote Shell/Terminal Setup
 - Execute Remote Applications
 - Debug Remote Applications

» install » configure » firststeps » import » terminal » example » newproject » remote » linux_start » rse

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