

Using the RSE SFTP Service

The Eclipse Remote System Explorer plugin provides SSH File Transfer Protocol capabilities to facilitate the transfer of files between the development machine and the target machine. This includes a GUI service which allows developers to “drag-and-drop” files between the development and remote file systems and the ability for Eclipse to edit a file within a local editor and update the remote copy when saved.

Open the RSE Perspective

The RSE plugin provides the Eclipse workbench with a new perspective that facilitates the use of its services. To open this perspective:

1. Click *Window* → *Open Perspective* → *Other...* to bring up the Open Perspective dialog.
2. In the *Open Perspective* dialog, select *Remote System Explorer* and click *OK*. This should result in a screen similar to that shown in Figure 1 below. To add a new connection, follow the instructions for doing so on the RSE Setup Guide.

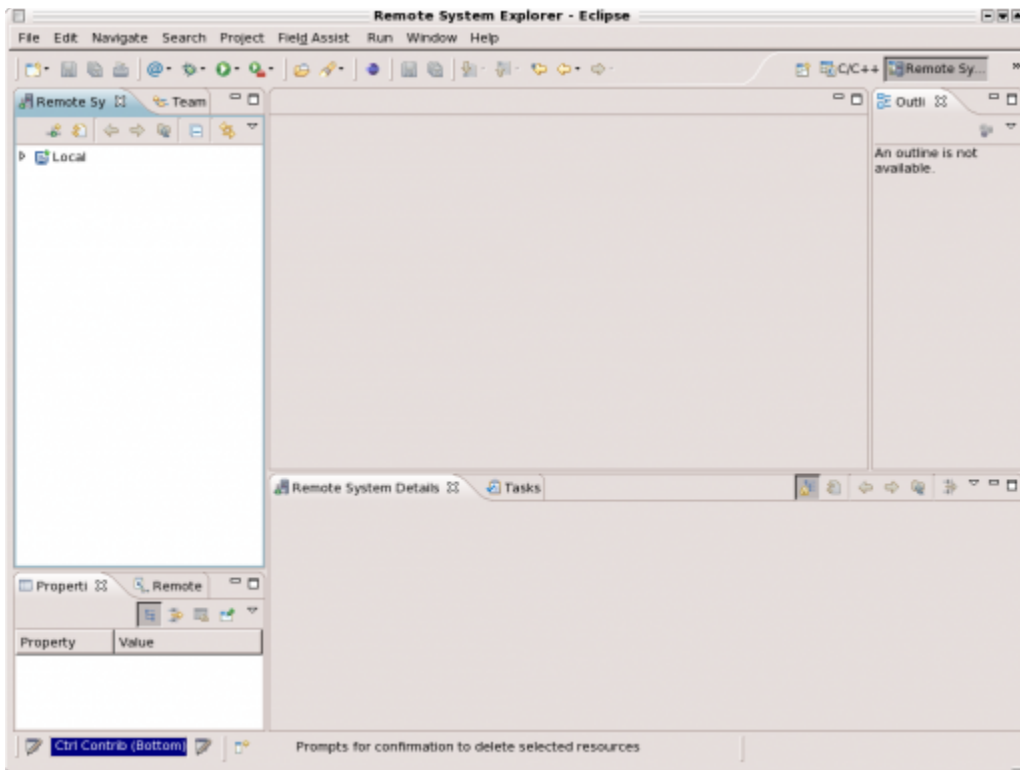


Figure 1. RSE Perspective

Using Drag-and-Drop

Once a remote connection has been established, it is possible to use the Remote System Explorer View, highlighted in Figure 2 below, to navigate the directories of the remote machine as well as the local machine. This view can also be used to graphically drag-and-drop files between machines.

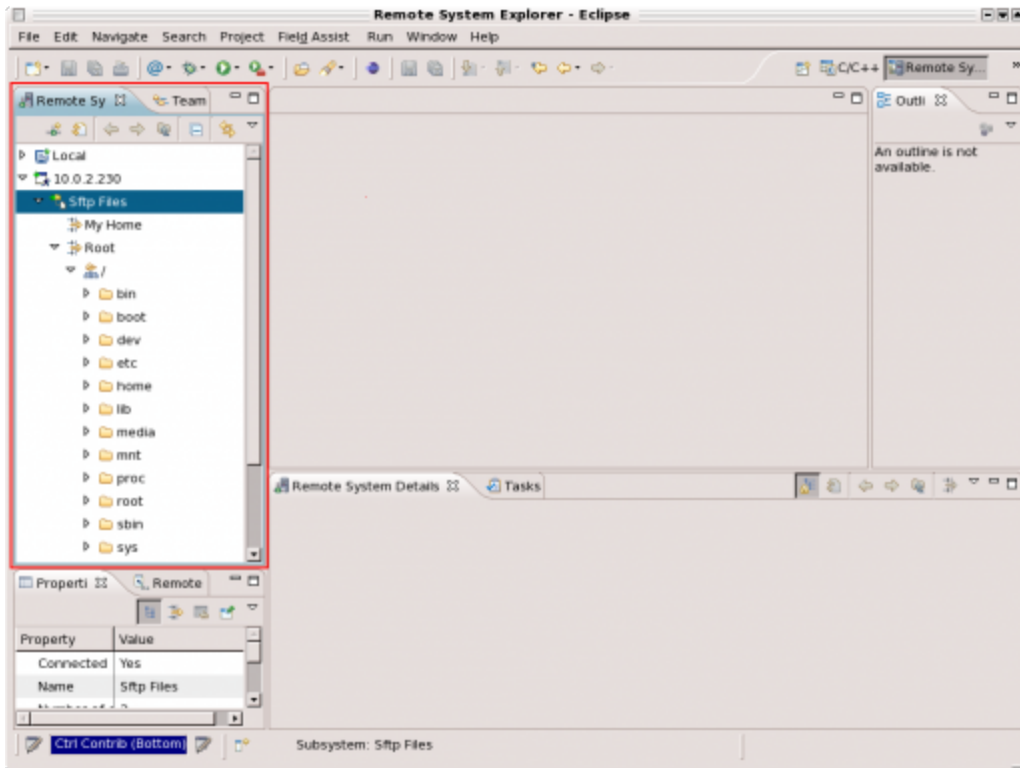


Figure 2. Browsing a Remote Filesystem

The drag-and-drop feature of RSE's SFTP facility is no different than that on any other computer. The target file can actually be click-and-dragged from its source then dropped into its destination folder or the Remote Systems View context menu can be used to copy a file and then paste it into its destination.

The Remote Systems view can be opened from any perspective by selecting *Window → Show View → Other...* It is then possible to drag and drop between the Project Navigator View and the Remote Systems View.

Remote File Editing

RSE's SFTP offers the ability to edit a copy of a remote file then automatically upload the contents of that file when it is saved during the edit session. The Remote Systems View also provides the convenience of being able to create a new file on the remote system.

Create a New File

To create a new file:

1. Right-click on the directory where the new file is to be located to bring up a context menu for that directory.
2. Select *New → File* or *New → Folder* depending on which type of file you wish to create. This will cause the New File prompt to show up as shown in Figure 3 below. Note that this procedure correctly identifies a folder/directory as a type of file.

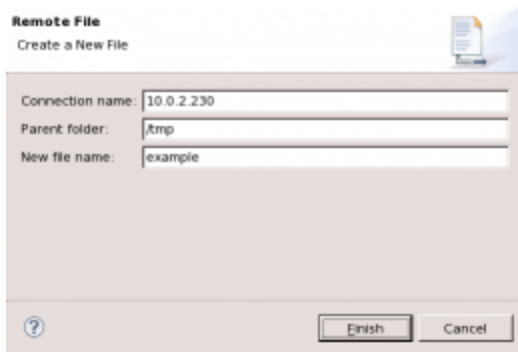


Figure 3. New File Dialog

3. Enter the name of the new file in the *New file name:* field then click *Finish* to create the file.

This procedure creates a new file in the specified folder but does not open it in an editor. The next step is to learn how to open the remote file in an editor, make changes, then save those changes on the remote machine.

Edit an Existing File

Once a file exists on the remote machine, RSE provides the ability to edit it on the development machine without having to manually move the files between the machines when they are ready to be saved.

Open a Remote File

To open a remote file in Eclipse on the development machine:

1. Right-click on the file to bring up the Remote Systems View context menu.
2. Click *Open*. Alternatively, click *Open with...* to see a list of editors available for that type of file.

Save a Remote File

Saving a file during a remote edit session is no different than doing the same during a local edit session. Simply click the Save button or use the *File* → *Save* or *File* → *Save As...* menus. The Ctrl+S keyboard shortcut may be used as well.

Next Steps

After editing and uploading a file to the remote machine, it can be manipulated using an SSH Shell or Terminal—two additional services provided by the RSE plugin. See the Remote Shell/Terminal Setup link below to learn more.

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

» [configure](#) » [firststeps](#) » [import](#) » [terminal](#) » [example](#) » [newproject](#) » [remote](#) » [rse](#) » [linux_start](#) » [stfp](#)

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