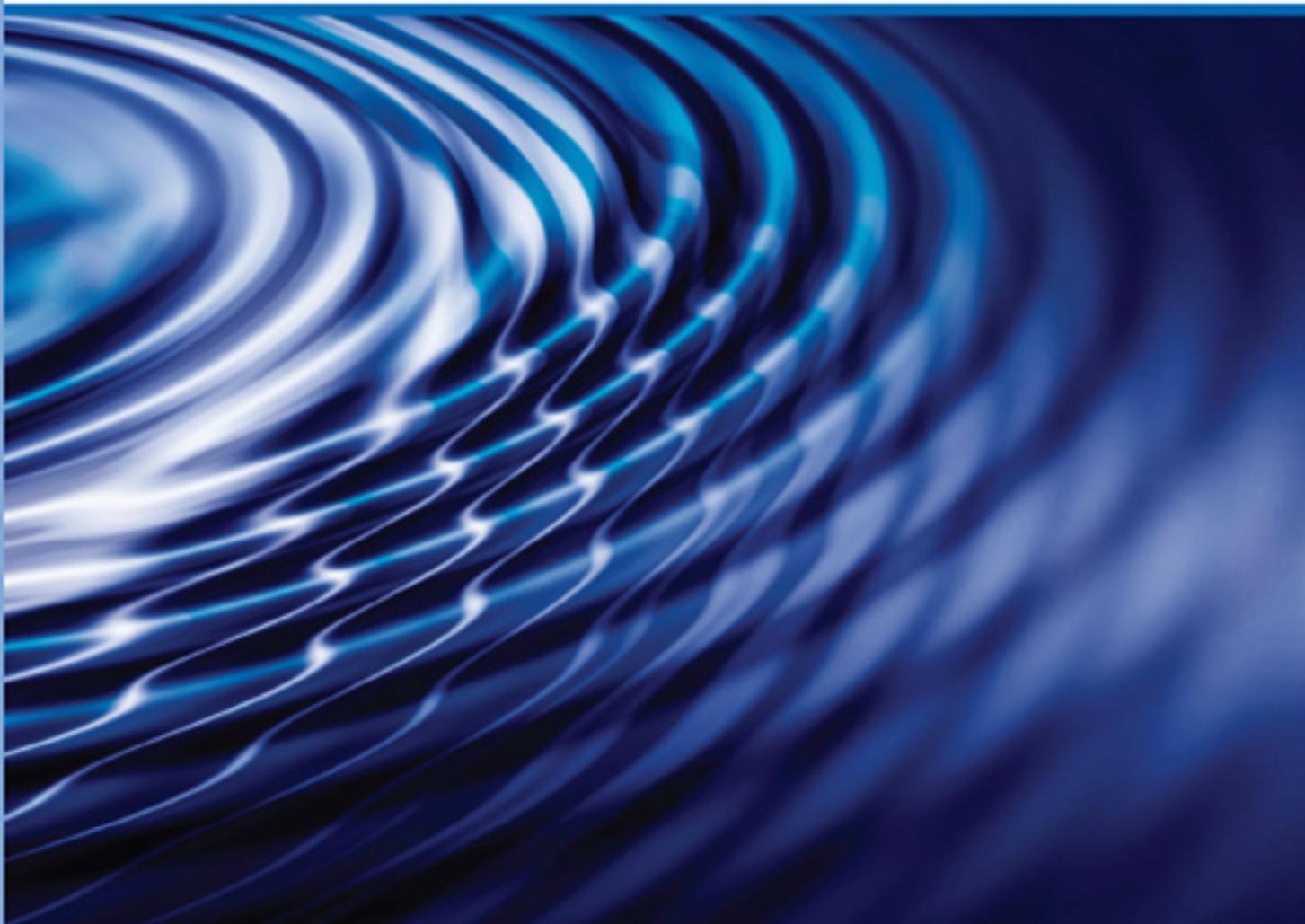


EVALUATING REFLECTION  
for HP, UNIX, and OpenVMS Hosts



 Attachmate®  
**Reflection®**



# Evaluating Reflection for HP, UNIX, and OpenVMS Hosts

This guide walks you quickly through key Reflection® features. It covers:

- Getting Connected
- Customizing Your Terminal Session
  - Working with toolbars
  - Customizing your keyboard
  - Customizing menus and commands
  - Saving your customizations
  - Viewing your customizations in HTML format
- Transferring Files and Data
- Automating Tasks
  - Using macros
  - Scheduling events
- Programming with VBA
- Administrative Tools: Reflection Administrator's Toolkit
  - Getting started with the toolkit
- Finding More Information About Deploying Reflection Products
- Conclusion

Each section covers a general procedure, so that you can try the feature for yourself, and includes hands-on exercises that build on one another as you proceed with your evaluation.

You can evaluate Reflection using a demonstration host (included) or your own host system. The procedures in this guide are geared toward using the demonstration host, which means you do not need network access to your host system to complete the procedures. You can, of course, repeat the steps on your own host system; notes are included throughout to get you headed in the right direction.

For information about new features in this release, launch Reflection and look up *New features* in the Reflection Help index.

## Getting Connected

Connecting to a host may be as simple as entering the name of the host, or it may involve changing other settings as well. Reflection includes a Connection Wizard that can walk you through the steps of connecting to your host system. Or, you may prefer to make a connection using the **Connection Setup** command on the **Connection** menu.

### *Try it now*

The following steps show you how to make a connection to the Reflection demonstration host using the Connection menu. If you prefer, you can use these steps to connect to your own host system instead:

1. On the **Connection** menu, click **Connection Setup**.
2. In the Connection Setup dialog box, click **Network**. In the text box that appears, scroll down and select **DEMONSTRATION**. Select a host type, and then click **Connect**. (To connect to an actual host, select **Telnet** or the appropriate protocol for your environment, and enter the host name or IP address.)
3. Log in to the demonstration host using any user name and password.
4. On the **File** menu, click **Save** to create a new settings file with your connection settings. You'll use this settings file as you proceed with your Reflection evaluation.

## Customizing Your Terminal Session

Reflection provides powerful customization features that can make using your host application faster and easier. These include customizable menus, toolbars, and hotspots, the ability to assign keystrokes or mouse actions to terminal keys or functions, and the ability to change the color and appearance of your host application in Reflection. The following sections introduce you to just some of these features.

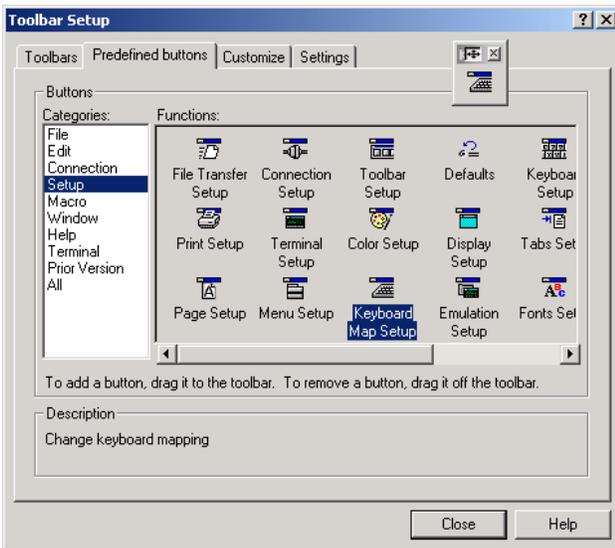
**Working with toolbars**

Reflection supplies four predefined toolbars for quick access to frequently-used commands. You can display any or all of these toolbars, modify them, or create your own custom toolbars. To access this feature, click **Toolbar** on the **Setup** menu.

**Try it now**

The following steps show you how to create a custom toolbar with a button for changing the host functions associated with specific keys on your PC keyboard:

1. On the **Setup** menu, click **Toolbar**.
2. On the **Toolbars** tab, click **New**. Specify a name for the toolbar, such as “Keyboard.”
3. On the **Settings** tab, select an option for **Location**. As you change the Location setting, the position of the toolbar changes on your screen.
4. On the Predefined Buttons tab, select **Setup** under **Categories**, and then drag the Keyboard Map Setup icon to your new toolbar.
5. Click **Close** to return to the terminal screen.



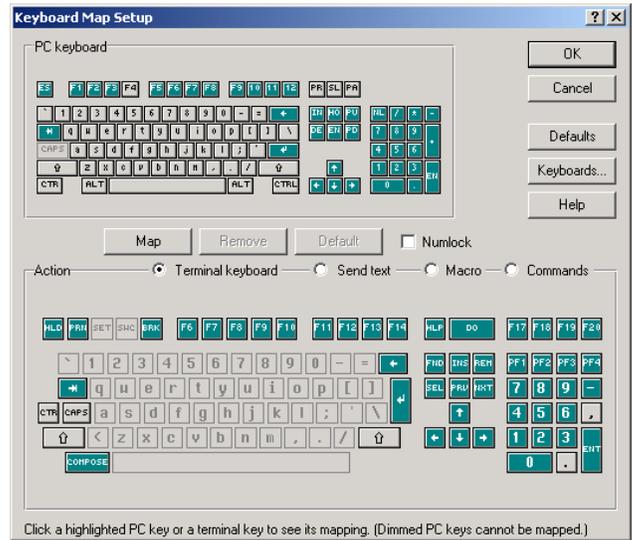
**Customizing your keyboard**

Reflection allows you to associate keystrokes with actions, a process known as keyboard mapping. You can customize your keyboard to match a familiar product, to improve interactions with your host application, or to speed up your work. To access this feature, click Keyboard Map on the Setup menu.

**Try it now**

In this procedure, you’ll map a PC key to a terminal key.

1. On the toolbar you created in the previous exercises, click the **Keyboard Map Setup** button. (You can also click **Keyboard Map** on the **Setup** menu.)
2. The Keyboard Map Setup dialog box opens. Keys that are already mapped to host keys or functions appear green, while unmapped keys are gray.



3. On the representation of the PC keyboard, click an unmapped (**gray**) key.
4. On the representation of the terminal keyboard, click any key.
5. Click **Map** to map these keys together.
6. To return to the terminal screen without saving your key mapping, click **Cancel**. Or, if you made a change you’d like to keep, click **OK**.

### Customizing menus and commands

You can customize the menus of Reflection by removing individual menu items, hiding the menu bar, adding menu items that perform standard Reflection tasks, or by creating menu items to run your own custom macros. To access this feature, click **Menu** on the **Setup** menu.

#### *Try it now*

In the following steps, we'll remove the Keyboard Map command from the Setup menu. (You can still access the Keyboard Map Setup dialog box using the toolbar button you created in an earlier exercise.)

1. On the **Setup** menu, click **Menu**.
2. Click the plus sign (+) next to the "**Setup**" menu icon to expand the list of Setup menu commands.
3. Select the "**Keyboard Map**" command, and then click **Remove**.
4. Click **OK** to return to the terminal screen. Click the **Setup** menu to verify that Keyboard Map no longer appears.

### Saving your customizations

Customizations are saved with your current terminal session when you use the **Save** command on the **File** menu; however, you can also save a subset of customizations in a separate file for use with other terminal sessions. For example, you may want to save menu changes to a separate menu file for use with specific terminal sessions.

#### *Try it now*

In the following procedure, you'll save menu changes to a separate menu settings file.

1. On the **File** menu, click **Save As**.
2. Set **Save as type** to **Menus (\*.rmu)**.
3. Specify a name for your menu settings file.
4. Click **Save**. The custom menus are now saved in a menu settings file.

**Tip:** To make your custom menus apply to a new terminal session, start a new session (click **New Session** on the **File** menu), and then open the menu settings file. (Click **Open** on the **File** menu, change **Files of type** to **Menus** in the Open dialog box, and

then select your menu settings file.)

### Viewing your customizations in HTML format

Customizations you have saved in a settings file can be viewed in a formatted, easy-to-navigate HTML page that Reflection generates when you use the Export and Transform XML feature. This feature lets you direct Reflection to make internal information, such as registry settings, mappings, display memory, terminal screen, and both saved and changed settings available in text, HTML, or Reflection for the Web report format. The output you decide to view is based on the XSL transform file you specify for the exported data you will have transformed. To start, try exporting all settings you have changed using this guide into an HTML page that will appear in your browser.

#### *Try it now*

In this procedure, you'll create an HTML page that shows your changed settings. (If you have not changed any settings, you can simply view the current settings.)

1. On the **File** menu, go to **Import and Export** > **Export and Transform XML**.
2. Select the **Changed settings** option under **Source XML**.
3. Under **Transform**, click **Browse** to open the Select Transform dialog box.
4. Select the **Transform settings to HTML.xml** file.
5. Under Results file, type "Settings.htm" and ensure the **Open results file** check box is selected.
6. Click **Transform**. Reflection exports and transforms the changed settings into HTML format in your browser.

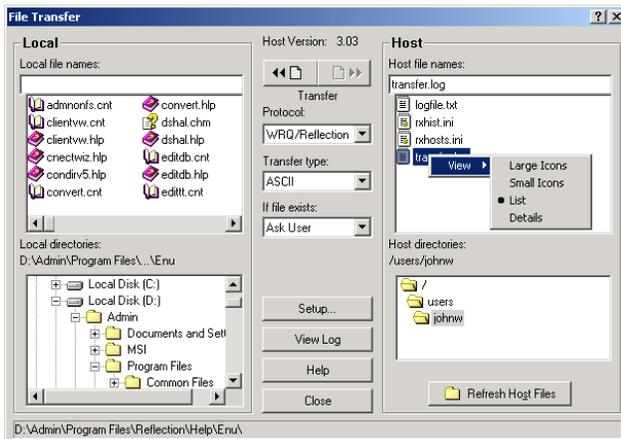
### Transferring Files and Data

You can use Reflection to transfer files and data to and from a host computer. Because Reflection automatically selects a file transfer configuration, you may find that you are ready to transfer files as soon as you make a host connection.

#### **Try it now**

This procedure walks you through the process of transferring a file to or from the Reflection demonstration host.

1. Make sure you are connected to the demonstration host. To quickly connect, open the settings file you created earlier, using the **Open** command on the **File** menu, and log in using any name and password.
2. On the **File** menu, click **Transfer**. The File Transfer dialog box opens.



3. Click **Show Host Files** to view sample files on the demonstration host. (These files do not really exist.)
4. For **If file exists**, select **Rename**.
5. Select a file to transfer and click the appropriate **Transfer** icon in the Transfer dialog box. A progress indicator appears as Reflection simulates a file transfer. (No file is actually transferred when you use the demonstration host.)
 

**Tip:** You can also transfer files by dragging and dropping them between panes in the Transfer dialog box.
6. Click **Close** to return to the terminal screen.

### Transferring files in your own environment

You can follow the steps above to display and transfer files to and from your own host system, provided that file transfer is configured on your host.

Reflection defaults to the WRQ/Reflection proprietary protocol, which offers a more powerful range of file transfer options but needs to be configured on your host. To select a public protocol, such as FTP, click the **Setup** button in the File Transfer dialog box. If you aren't sure which protocol to use, check with your host system administrator.

For further information, search for *Transferring files* in the Reflection online help.

### Automating Tasks

Reflection provides you with powerful tools for automating your sessions. Tools like the event scheduler and the macro recorder require no programming knowledge. In addition to these tools, Microsoft Visual Basic® for Applications (VBA), which is included with Reflection, provides access to an industry-standard scripting language and a full-featured development environment.

**Using macros**

Reflection includes fully integrated Visual Basic for Applications (VBA) for automating tasks and PC-to-host interactions. VBA is used in many desktop applications, including Microsoft Office products.

You can use VBA macros to increase your productivity and the usability of your host applications. For example, you may want to record a script that logs in to your host computer and navigates automatically to a particular screen in your host application. Or, you may want to automate a file transfer and schedule it to run during off-peak hours.

Macros you create in Reflection can be associated with a menu item, toolbar button, event, or keystroke. You can also customize VBA macros by editing them with the Microsoft Visual Basic Editor.

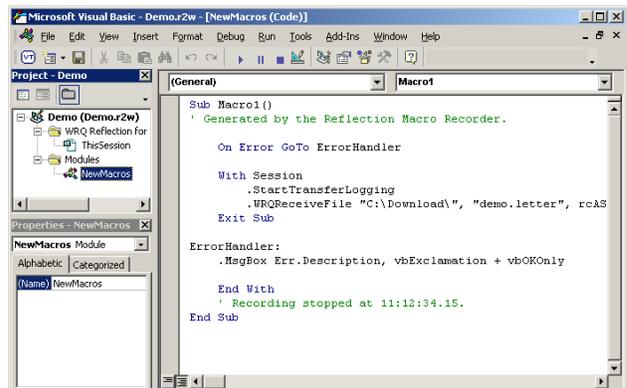
**Try it now**

In this procedure, you'll record a file transfer to Reflection's demonstration host.

1. Make sure you are connected to the demonstration host. (To quickly connect, open the settings file you created earlier, using the **Open** command on the **File** menu. You can log in to the demonstration host using any name and password.)
2. On the **Macro** menu, click **Start Recording**.
3. Repeat the steps for transferring a file in the "Transferring files and data" section above.
4. On the **Macro** menu, click **Stop Recording**. In the Stop Recording dialog box:
  - Specify a macro name in the box. (Macro names cannot include spaces and must begin with a letter.)
  - Select the **Create a button** check box, and click **OK**. A new toolbar button appears, labeled with the name of your macro. At this point, you can run and test your macro, but it has not yet been saved.
5. On the **File** menu, click **Save** to save your macro. Your macro will be saved with the current settings file.
6. To run your macro, click your macro's toolbar button. The file transfer progress indicator appears, indicating that a file is being transferred. (You can also run a macro using the **Macros** command on the **Macro** menu.)

**Programming with VBA**

Today there are more than three million VB programmers. If you are familiar with Visual Basic for Applications, you can edit a recorded macro or create a new one using the Visual Basic Editor. To view this tool, click Visual Basic Editor on the Reflection Macro menu. Or, to edit the macro you just created, click Macros on the Macro menu, select your macro, and then click Edit to launch the Visual Basic Editor. The Reflection API is extensively documented in the application programming help. To view this help, point to Advanced Topics on the Help menu, and then click Programming.



### Scheduling events

Reflection's Events feature enables you to associate events, such as "At a specific time of day," with actions, such as transferring large amounts of data. The event is the trigger; the action is how Reflection responds. To access this feature, click Events on the Setup menu.

### *Try it now*

In this procedure, we'll associate the VBA macro created above with a specific time to illustrate how you could use this feature in your own environment to schedule events during off-peak hours.

1. On the **Setup** menu, click **Events**.
2. Click **New**.
3. For **Event type**, select **At a specific time of day**.
4. For **Action**, click **Macro**. Click Browse to select your macro.
5. Select the file transfer macro you just recorded, and then click **OK** to return to the New Event Properties dialog box.
6. Set **Time** to a value one minute from now. Click **OK**.
7. Click **OK** to return to the terminal screen.
8. Wait for the macro to run. The file transfer progress indicator appears while the macro is running.

This concludes the first part of the Reflection evaluation guide. We hope you have enjoyed using Reflection's connection, file transfer, customization, and automation features. If you are evaluating Reflection for use at a large company, you may wish to read the next section to see how Reflection simplifies large-scale deployment and management tasks.

## Administrative Tools:

### Reflection Administrator's Toolkit\*

To install the Reflection administrative tools, choose "Reflection Administrator's Toolkit" from the list of Reflection products you can install using the Reflection installation program.

Reflection administrative tools include the Customization Manager, Group Policy support, and a Profiler for each Reflection product you install. These tools enable a system administrator to quickly customize and deploy Reflection applications.

Using these tools the system administrator can:

- Perform an administrative installation to a file or web server
- Create settings files for users
- Open a Reflection installation and create a transform that will contain the customizations
- Select the feature set the user will install (and hide features, as needed)
- Add files to the installation or to a separate, "companion" database with its own Add/Remove programs entry
- Profile a Reflection product, including limiting user access to features and commands
- Use the Microsoft Group Policy editor to lock down Reflection features for individuals or groups of users
- Configure product shortcuts for location, parameters, and descriptions, and create a single shortcut that installs the customized Reflection installation

For a complete overview of Reflection's administrative tools, see the *Reflection System Administrator Guide*, which is available online. See: <http://support.attachmate.com/manuals/>



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[www.attachmate.com](http://www.attachmate.com).

## Getting started with the toolkit

To begin using the Reflection administrative tools, first install the "Reflection Administrator's Toolkit" as you would any Reflection product, making sure to install the toolkit to a folder separate from your Reflection installation folder. To start the Customization Manager or Profiler, click **Start**, point to the folder containing your Reflection installation (**Attachmate Reflection**, by default), then **Administrative Tools**, clicking the tool you want to evaluate.

**Tip:** To fully evaluate Customization Manager you will need an administrative installation of Reflection available to you. You can perform an administrative installation using options on Customization Manager's **Prepare Installation** panel.

### Finding More Information on Deploying Reflection Products

For more information about these tools, open the online Help for the product. To view a comprehensive overview, with procedures, on preparing and deploying Reflection, visit the Deployment Guide at <http://docs.attachmate.com/reflection/14.1/deploy.pdf>.

## Conclusion

We hope you have enjoyed evaluating Reflection in your own environment. To learn more about Reflection products, visit our web site at [www.attachmate.com](http://www.attachmate.com).

\* The Administrative Toolkit is available only on the Evaluator DVD or shipping product. This toolkit is not included in evaluation copies of Reflection downloaded from the Reflection product web site. Contact us to request a free Evaluator DVD.

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