Sun Control Station

Software Management Module

Sun Microsystems, Inc.
www.sun.com

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Contents

Software Management Module

This document explains the features and services available through the Software Management control module on the Sun™ Control Station. This module allows you to:

- view package files available from the Sun BlueLinQ server or from other Sun Control Stations, and download the files from one of these locations to your control station
- upload package files from your computer to the control station
- add a remote software server that the control station can check for new published package files; the remote software server can be a BlueLinQ server or a YaST Online Update (YOU) server
- view installed package files on the managed hosts
- generate a list of package files that are required on one or more of your managed hosts
- install package files on or uninstall package files from the managed hosts
- make visible ("publish") package files to BlueLinQ-enabled clients or remove visible package files ("unpublish") (allows your control station to act as a BlueLinQ server)

Note – In most of the short procedures in this chapter, the first step is to click the Software Management item in the left menu bar and the second step is to click on an item from the sub-menu.

To reduce the number of steps in each procedure, the menu commands are grouped together and shown in Initial Caps. Right-angle brackets separate the individual items.

For example, select Software Management > Packages means to click Software Management in the left menu bar and then click the Packages sub-menu item.

Software Management screen

When you click the Software Management menu item on the left, the sub-menu items appear:

- Packages (see "Packages" on page 5)
- Installed Software (see "Installed Software" on page 17)
- Needed Software (see "Needed Software" on page 22)
- Remote Servers (see "Remote Servers" on page 29)

For the Installed Software and Needed Software features, click the arrow beside the name of the managed host to view the list of package files installed on the managed host or needed for that host.

Package file

In the user manual, the term *package file* refers to:

- a Sun Cobalt package file for Sun Cobalt server appliances
- a Red Hat Package Manager (RPM) file for Linux-based servers (such as the Sun Fire™ V60x server)
- a Java Desktop System (JDS) RPM, targetted specifically at Sun's JDS solution
- an SVR4 package file for Solaris-based servers

Tasks available in Software Management

The following paragraphs explain the tasks that you can perform with a package file.

Note – Not all of these tasks are available on each screen.

Upload

Upload allows you to load a package file to a local repository on the control station, from a location that is accessible from your computer. Once the package file is on the control station, if the package file is in the right format and contains the appropriate list data, it can be published or installed.

You can upload a single package file or you can add list of package files whose information is contained in a text file.

Download

Download allows you to download the package file(s) from a remote repository to the local repository on the control station.

Publish

Publish allows you to make a package file available for download to external BlueLinQ-enabled servers. A package file can be published from a remote server or the local repository.

If the package file is located on a remote server and you select it to be published, the package file is first downloaded to the local repository on the control station and then made available.

To view the package files published on a Sun Control Station, configure the BlueLinQ settings on the BlueLinQ-enabled server to

`http://<fully_qualified_domain_name_of_SCS>/packages/`

Unpublish

Unpublish allows you to make a package file unavailable to a BlueLinQ-enabled server.

In this case, the package file is no longer visible to external BlueLinQ-enabled servers but it is still appears in the Packages table. The package file remains in the local repository on the control station.

Install

Install allows you to install package files on selected managed hosts. You can install package files from either a local or remote repository.

If the package file is located on a remote server and you select it to be installed on a managed server, the package file is first downloaded to the local repository on the control station and then installed on the managed host.

Before installing a package file, the control station performs a dependency check and displays a confirmation screen. For more information, see "Dependency Checking" on page 39.

Uninstall

Caution – Uninstalling a package file from a host can adversely affect the functioning of the host.

Uninstall allows you to uninstall a package file from selected managed hosts, if this feature is available for that package file.

When you uninstall a package file, the control station updates the list of installed package files immediately for those hosts.

Package Info

Package Info allows you to view detailed information for a package file, such as the vendor, a description of the package file, the size of the package file, whether the package file can be uninstalled once it is installed, whether the host needs to be rebooted after a package file is installed and the prerequisite packages for this package file.

Remove

Remove allows you to remove a package file from the list of available package files. If the package file is on a remote BlueLinQ server, the entry for that package file is removed from the list of available package files. If the package file is in the local repository on the control station, the entry for that package file is removed from the list of available package files and the package file is deleted from the repository.

If the package file has been "published" on your control station, the package is no longer available to BlueLinQ-enabled servers once you remove it.

If you use the refresh option, a package file located on a remote BlueLinQ server appears again.

Note – You cannot delete a package file from a remote BlueLinQ server with the Remove option.

Packages

The Packages sub-menu item allows the user to manage the package files on the remote and local servers. The selector lists all of the software packages known by the Sun Control Station. The software packages can be located locally on the control station itself, on another control station or on a remote BlueLinQ server.

For an explanation of the tasks available under this menu item, see "Tasks available in Software Management" on page 2.

FIGURE 1 shows a sample of the Packages table.

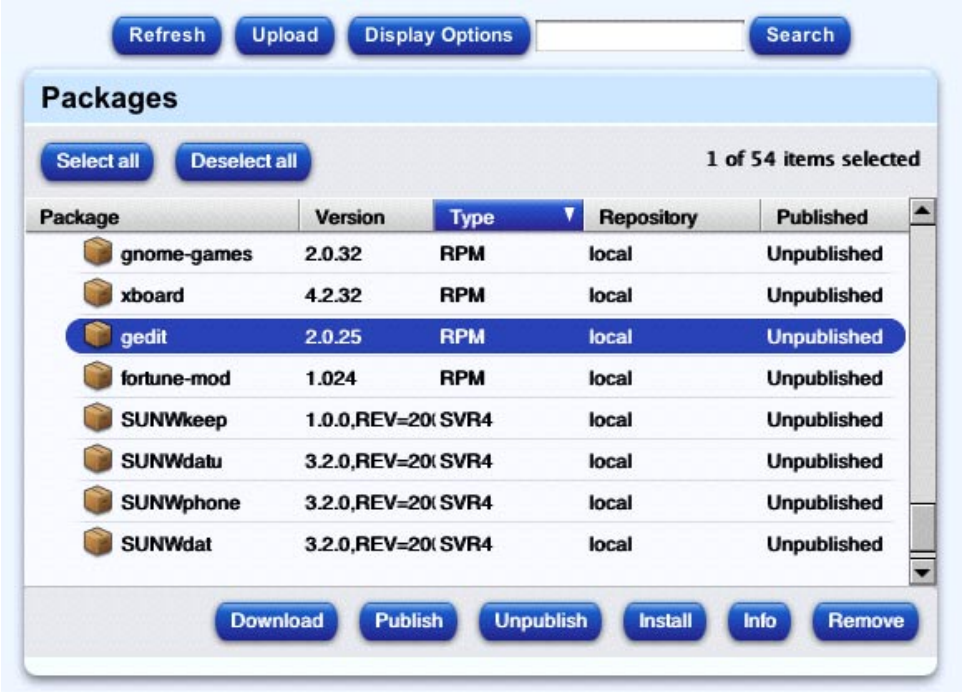

FIGURE 1 Packages table

Refreshing the list of packages

With the Refresh feature, you can force the control station to query the remote software server(s) immediately and update the list of package files in the Packages table.

The information for each package file is stored on the remote software server. If the same package appears on two different remote software servers, the Packages table displays the package file from the most recent server that the control station checked. The Repository column indicates where a package is found.

To refresh the list of available package files:

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **Click Refresh above the table.**

   The Task Progress dialog appears.

Uploading a package file

You can upload a single package file or several package files at a time.

Single package file

To upload a single package file:

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **Click Upload above the table.**

   The Manual Package Upload table appears; see FIGURE 2.

3. **Click one of the radio buttons and enter the location from which the package file is obtained.**

   - Enter a URL beginning with `http://`, `https://` or `ftp://` to download the package file from a location on the Internet.
   - Enter the path and file name of the package file, or click Browse... to locate it.

   Note – If the control station must pass through a proxy to access the Internet, it uses the proxy settings entered in Station Settings > Settings. If you have not configured these settings, you will need to do so before uploading a package file by URL.

   For more information, refer to "Settings" in Chapter 2 of the PDF *Administrator Manual*.

   ---

4. **From the Package Type pull-down menu, select the type of package that you are uploading (JDS RPM, RPM, SVR4 or Cobalt pkg).**

5. **Click Upload.**

   The Task Progress dialog appears.

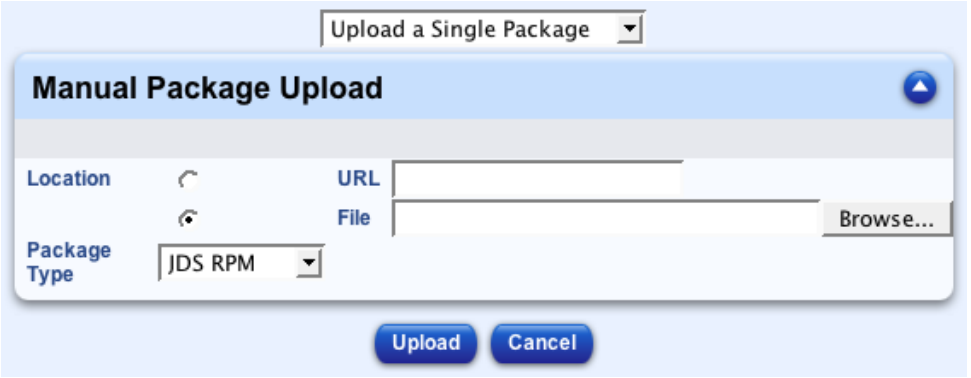

FIGURE 2 Upload a single package file

Several package files

Note – The package files are not loaded on to the control station until you click Upload in the final step.

Note – The package files referenced in a text file must all be of the same type, such as Solaris packages (SVR4) or Linux packages (RPM).

If the text file contains a mixture of package files, the control station uploads the packages that match the Package Type selected (see Step 5 below) and does not upload the packages that do not match. The Tasks table (Administration > Tasks) will show the packages that the control station did not upload.

To upload several package files at a time:

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **Click Upload above the table.**

3. **Select Upload Multiple Packages from the pull-down menu above the table.**

   The Manual Package Upload table appears.

4. **In the Source File field, enter the path and file name of a text file containing a list of package files to be uploaded, or click Browse... to locate it.**

   In this file, the location of a package can be entered as a directory path on the control station or as a URL (http:// or https://). The following lines show the package files in a sample file:

```
home/pkgs/packageA.pkg
http://ftp.cobalt.sun.com/pub/packages/raq4/eng/RaQ4-All-Security-1.0.1-
8061.pkg
/tmp/packageB.pkg
https://ftp.server.com/pub/package.pkg
```

Note – If the control station must pass through a proxy to access the Internet, it uses the proxy settings entered in Station Settings > Settings. If you have not configured these settings, you will need to do so before uploading a package file by URL.

For more information, refer to "Settings" in Chapter 2 of the PDF *Administrator Manual*.

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5. **From the Package Type pull-down menu, select the type of package that you are uploading (JDS RPM, RPM, SVR4, Cobalt pkg).**

6. **Click Upload.**

   The Task Progress dialog appears.

Configuring the display options

You can choose which package files to display in the Packages table, according to:

- the repositories in which the package files are located
- the products for which you want to see the eligible package files
- the published state of the package files

These display options remain in effect until you change them.

Note – These display options apply only to the Packages table.

To configure the display options:

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **Click Display Options above the table.**

   The Display Options table appears; see FIGURE 3.

3. **Configure the display options:**

   - Repositories: select the repository(ies) for which you want to display the package files.
   - Products: select the product(s) for which you want to see the eligible package files
   - Published States: select Published Package Files, Unpublished Package Files or both.

   To move an item between the scrolling boxes, highlight the item in a list and click on the appropriate arrow.

Note – To display package files for certain products only, you must move the item "All" from the Products Displayed scrolling window to the Products Not Displayed scrolling window, as well as the individual products for which you do not want to display the package files.

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4. **Click Change Display.**

   The Packages table refreshes and shows the list of available package files according to the display options that you selected.

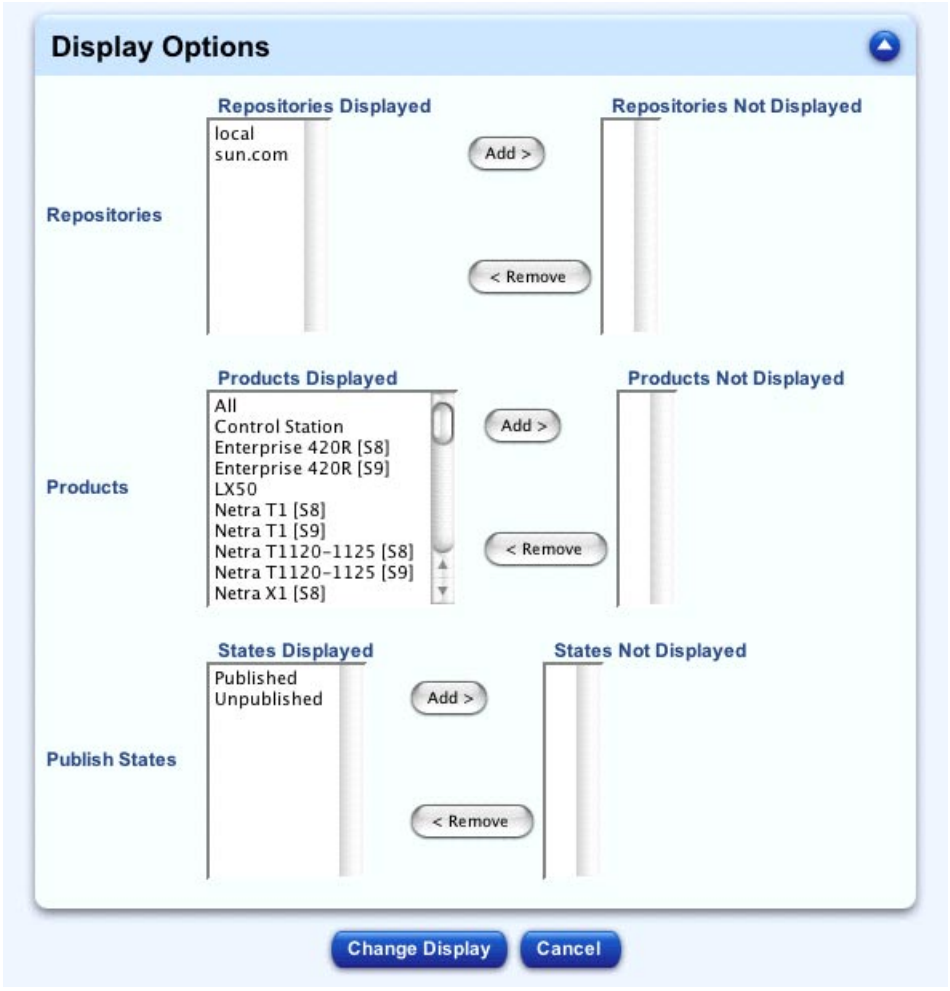

FIGURE 3 Display Options table

Searching the list of available package files

To search for a character string in the list of available package files:

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **In the Search field above the table, enter the character string for which you want to search in the list of available package files.**

   The search operates on the package-file name, the version number and the description fields in the table.

3. **Click Search.**

   The Packages table refreshes, displaying the results of the search.

   You can perform any of the other functions on the list of results; you can also perform another search on these results.

   To return to the full list of package files, click Packages in the menu on the left.

Downloading a package file

To download a package file from a BlueLinQ server to the local repository on the control station:

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **Select the package file(s) in the list of available package files that you want to download.**

3. **Click Download at the bottom of the table.**

   The Task Progress dialog appears.

Publishing a package file

To publish a package file, so that it is available to external BlueLinQ-enabled servers:

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **Select the package file(s) in the list of available package files that you want to publish.**

3. **Click Publish at the bottom of the table.**

   The Task Progress dialog appears.

Unpublishing a package file

To unpublish a package file, so that it is no longer available to external BlueLinQ-enabled servers:

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **Select the package file(s) in the list of available package files that you want to unpublish.**

3. **Click Unpublish at the bottom of the table.**

   The Task Progress dialog appears.

Installing a package file

Note – The Sun Control Station does not install a package file on a host until you click Install on the screen displaying the results of the dependency check.

Note – After you have installed a package file, the system updates the list of installed package files immediately for those hosts.

To install a package file on a managed host(s):

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **Select the package file(s) in the list of available package files that you want to install.**

3. **Click Install at the bottom of the table.**

   Another applet window opens in the UI, asking you to select the managed host(s) on which you want to install the package(s). You can also click **Select All** at the top to choose all hosts in the list.

   Only those hosts eligible for the package file(s) that you selected in the previous screen appear.

4. **Click Continue in the bottom right corner.**

   The Task Progress dialog appears.

   At this point, the Sun Control Station performs dependency checks on the host(s) you selected to ensure that the selected package file(s) can be installed. For more information, see “Dependency Checking” on page 39.

5. **Once the dependency checks are completed, click Done.**

   The results are displayed in the Patch Install Status and Install Information By Host tables.

6. **Click Install.**

   Another Task Progress dialog appears.

Note – You can also schedule the installation of a package file for a later time. For more information, see “Schedule” on page 38.

Viewing details of an available package file

To view the detailed information for an available package file:

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **Select the package file(s) in the list of available package files for which you want to view the detailed information.**

3. **Click Info at the bottom of the table.**

   A Package Info table appears; see FIGURE 4.

   If you choose more than one package, the information for each package appears in the table.

4. **The Package Info table provides the following information:**

   - the name of the package file
   - the version number
   - the vendor of the package file
   - a description of the package file
   - the location of the package file
   - the size of the package file (in MB)
   - whether the package file can be uninstalled once it has been installed on the host
   - whether the host must be rebooted once the package file has been installed
   - (if necessary) the package file(s) that must be installed on the host before you can install this package file

5. **Click the *up-arrow* icon in the top-right corner to return to the Packages table.**

FIGURE 4 Package Information table

Removing a package file

To remove a package file from the list of available package files:

Note – You cannot delete a package file from a remote BlueLinQ server with the Remove option.

---

1. **Select Software Management > Packages.**

   The Packages table appears.

2. **Select the package file(s) in the list of available package files that you want to remove from the list.**

3. **Click Remove at the bottom of the table.**

   A confirmation dialog appears, asking if you to confirm the removal.

4. **Click Remove again.**

   The package is removed from the list and the Packages table refreshes.

Installed Software

The Installed Software sub-menu item provides a list of package files that are currently installed on the hosts selected by the user.

When you click on the Installed Software sub-menu item, the Choose Hosts... table appears; this table lists the managed hosts.

From this table, you can view the software package files currently installed on a managed host(s) or you can update the list of installed packages.

- View: This button allows the user to view the list of installed package files for a selected host(s).
- Update: This button allows the user to update the list of installed package files by querying the selected hosts.

If you view the software package files for a host, the Installed Software table appears. Above this table, there is a pull-down menu; below the table is an Uninstall button and Info button.

- Uninstall: This button allows the user to uninstall a package file(s) from the selected host.
- Info: This button allows the user to view the detailed information for an available package file.

FIGURE 5 shows a sample of the Installed Packages table.

FIGURE 5 Installed Software table

Updating the list of installed software

Note – When you install or uninstall a package file, the system updates the list of installed package files immediately for those hosts.

The Update task reads the list of installed software directly from the managed host.

To update the list of installed package files on the managed hosts:

1. **Select Software Management > Installed Software.**

   The Choose Hosts... table appears, displaying the list of managed hosts.

2. **Click to highlight a host(s). You can also click Select All at the top to choose all hosts in the list.**

3. **Click Update in the bottom-right corner.**

   The Task Progress dialog appears.

Viewing the list of installed software

The View command reads the list of installed software for a managed host from the control station database, without contacting the host.

To view the list of installed software:

1. **Select Software Management > Installed Software.**

   The Choose Hosts... table appears, displaying the list of managed hosts.

2. **Click to highlight a host(s). You can also click Select All at the top to choose all hosts in the list.**

3. **Click View in the bottom-right corner.**

   The Installed Software table appears, displaying the managed hosts you selected.

4. **Click the triangle next to a managed host to display the package files associated to that host.**

   From this table, you can view the detailed information for a package file or uninstall the package file. See FIGURE 5.

Viewing details of an installed package

To view the detailed information for an installed package file:

1. **Select Software Management > Installed Software.**

   The Choose Hosts... table appears, displaying the list of managed hosts.

2. **Click to highlight a host(s). You can also click Select All at the top to choose all hosts in the list.**

3. **Click View in the bottom-right corner.**

   The Installed Software table appears, displaying the managed hosts you selected.

4. **Click the triangle next to a managed host to display the package files associated to that host.**

5. **Click to highlight a package file(s). You can also click Select All at the top to choose all package files in the list.**

6. **Click Info in the bottom-right corner.**

   A Package Info table appears. For a sample, see FIGURE 4 for a sample.

   If you choose more than one package, a separate table for each package appears.

7. **The table provides the following information:**

   - the name of the package file
   - the version number
   - the vendor of the package file
   - a description of the package file
   - the location of the package file
   - the size of the package file (in MB)
   - whether the package file can be uninstalled once it has been installed on the host
   - whether the host must be rebooted once the package file has been installed
   - (if necessary) the package file(s) that must be installed on the host before you can install this package file

8. **Click the *up-arrow* icon in the top-right corner to return to the Installed Software table.**

Uninstalling an installed package file

Certain package files can be uninstalled from a host.

Caution – Uninstalling an package file from a host can adversely affect the functioning of the host.

Note – If you try to uninstall a package file that cannot be uninstalled, an error message will appear at the bottom of the UI.

To see whether a package file can be uninstalled, see "Viewing details of an installed package" on page 20.

Note – When you uninstall a package file, the system updates the list of installed package files immediately for those hosts.

To uninstall a package file:

1. **Select Software Management > Installed Software.**

   The Choose Hosts... table appears, displaying the list of managed hosts.

2. **Click to highlight a host(s). You can also click Select All at the top to choose all hosts in the list.**

3. **Click View in the bottom-right corner.**

   The Installed Software table appears, displaying the managed hosts you selected. See FIGURE 5.

4. **Click the triangle next to a managed host to display the package files associated to that host.**

5. **Click to highlight a package file(s). You can also click Select All at the top to choose all package files in the list.**

6. **Click Uninstall in the bottom-right corner.**

   A confirmation dialog appears, asking if you to confirm the removal.

7. **Click Remove Package(s).**

   The package is removed from the list and the Installed Software table refreshes.

Needed Software

The Needed Software sub-menu item compares the set of installed package files on managed hosts with the package files listed in the Packages table. These package files can be located on the control station or on a remote software server.

The resulting report indicates, for each selected host, the package files that are not currently installed that host.

Note – To make this comparison as accurate as possible, Sun Microsystems™ recommends that, first, you:

1. Perform an Update task on the Installed Software screen for the managed hosts. (See "Updating the list of installed software" on page 19.)

2. Perform a Refresh task on the Packages screen for the remote software servers. (See "Refreshing the list of packages" on page 6.)

When you click on the Needed Software sub-menu item, the Choose Hosts... table appears; this table lists the managed hosts.

From this table, you can view the needed software package files for a managed host(s) or you can update the list of needed package files.

- View: This button allows the user to view the list of needed package files for a selected host(s).
- Update: This button allows the user to update the list of needed package files by comparing the installed package files on the selected hosts against the list of available package files in the Packages table.

If you view the software package files for a host, the Needed Software table appears. Below the table are task buttons for Download, Publish, Install, Schedule Install and Info.

For an explanation of these tasks, see "Tasks available in Software Management" on page 2.

FIGURE 6 shows a sample of the Needed Packages table.

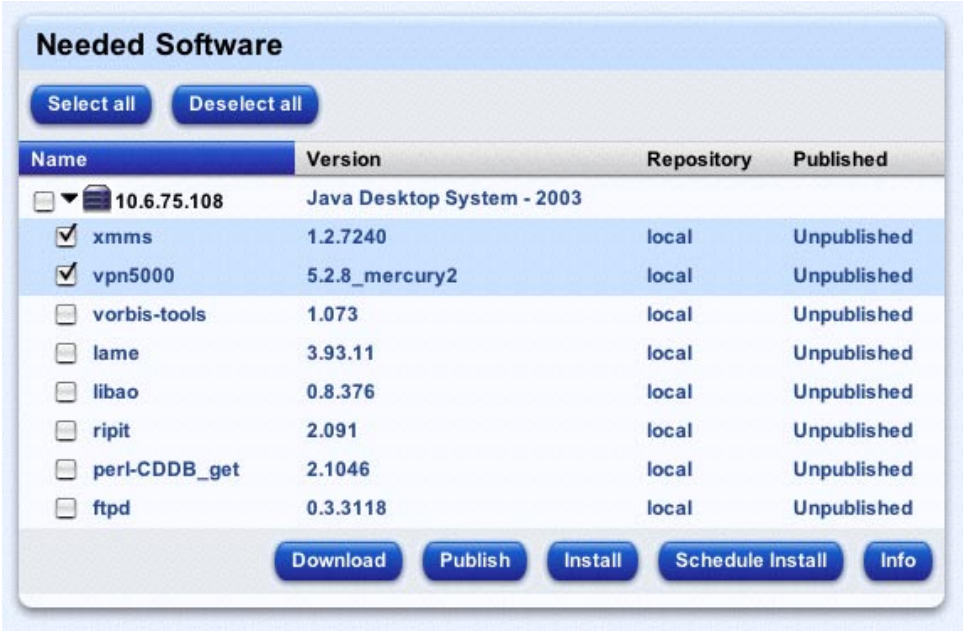

FIGURE 6 Needed Software table

Updating the list of needed software

Note – When you install or uninstall a package file, the system updates the list of installed package files immediately for those hosts.

The Update task allows the user to update the list of needed package files by comparing the installed package files on the selected hosts against the list of available package files in the Packages table.

To update the list of needed package files on the managed hosts:

1. **Select Software Management > Needed Software.**

   The Choose Hosts... table appears, displaying the list of managed hosts.

2. **Click to highlight a host(s). You can also click Select All at the top to choose all hosts in the list.**

3. **Click Update in the bottom-right corner.**

   The Task Progress dialog appears.

4. **If you click Done, the Needed Software table appears, showing the selected host(s) for which you updated the list of needed package files.**

   See FIGURE 6 for a sample of the Needed Software table.

Downloading a package file

To download a package file from a remote software server to the local repository on the control station:

1. **Select Software Management > Needed Software.**

   The Choose Hosts... table appears, displaying the list of managed hosts.

2. **Click to highlight a host(s). You can also click Select All at the top to choose all hosts in the list.**

3. **Click View at the bottom of the table.**

   The Needed Software table appears, showing the managed hosts; see FIGURE 6. The needed package files for each host are listed under each entry.

4. **Select the package file(s) in the list of available package files that you want to download.**

5. **Click Download at the bottom of the table.**

   The Task Progress dialog appears.

Publishing a package file

To publish a package file, so that it is available for downloading to remote software servers:

1. **Select Software Management > Needed Software.**

   The Choose Hosts... table appears, displaying the list of managed hosts.

2. **Click to highlight a host(s). You can also click Select All at the top to choose all hosts in the list.**

3. **Click View at the bottom of the table.**

   The Needed Software table appears, showing the managed hosts; see FIGURE 6. The needed package files for each host are listed under each entry.

4. **Select the package file(s) in the list of available package files that you want to publish.**

5. **Click Publish at the bottom of the table.**

   The Task Progress dialog appears.

Installing a package file

Note – The Sun Control Station does not install a package file on a host until you click Install.

Note – When you install a package file, the system updates the list of installed package files immediately for those hosts.

To install a package file on a managed host(s):

1. **Select Software Management > Needed Software.**

   The Choose Hosts... table appears, displaying the list of managed hosts.

2. **Click to highlight a host(s). You can also click Select All at the top to choose all hosts in the list.**

3. **Click View at the bottom of the table.**

   The Needed Software table appears, showing the managed hosts; see FIGURE 6. The needed package files for each host are listed under each entry.

4. **Select the package file(s) in the list of available package files that you want to install.**

5. **Click Install at the bottom of the table.**

   The Task Progress dialog appears.

Note – When installing a package file from the Needed Software table, you do not see the dependency-checking step. The control station has already performed dependency checking on the package files that appear in this list for the selected host(s).

Scheduling the installation of a package file

To schedule the installation of a needed package file:

1. **Select Software Management > Needed Software.**

   The Choose Hosts... table appears, displaying the list of managed hosts.

2. **Click to highlight a host(s). You can also click Select All at the top to choose all hosts in the list.**

3. **Click View at the bottom of the table.**

   The Needed Software table appears, showing the managed hosts; see FIGURE 6. The needed package files for each host are listed under each entry.

4. **Select the package file(s) in the list of available package files that you want to install.**

5. **Click Schedule Install at the bottom of the table.**

   The Schedule Settings for Package Install table appears; see FIGURE 7.

6. **Schedule the date and time for when you want to install the package file.**

   By default, the current date and time appear in the field Run Date and Time. You can also configure the following parameters:

   - Email Address (Optional): Enter an email address of the person who will be notified when the task runs.
   - Notify When Starting: Enable the check box to notify the person when the task is starting.
   - Notify When Finished: Enable the check box to notify the person when the task has completed.

7. **To select a different date, click the *calendar* icon next to the field.**

   A seperate calendar window opens.

   Scroll through calendar and select a new date. You can also enter a specific time of day for the scheduled install.

   Once you click on a new date, the window closes and the new date and time appear in the field.

Note – If you want to change both the date and time, change the Time field first and then select a new Date from the calendar.

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8. **Click Save below the table.**

   The Task Progress dialog appears.

Note – For more information of the Scheduler, see "Schedule" on page 38.

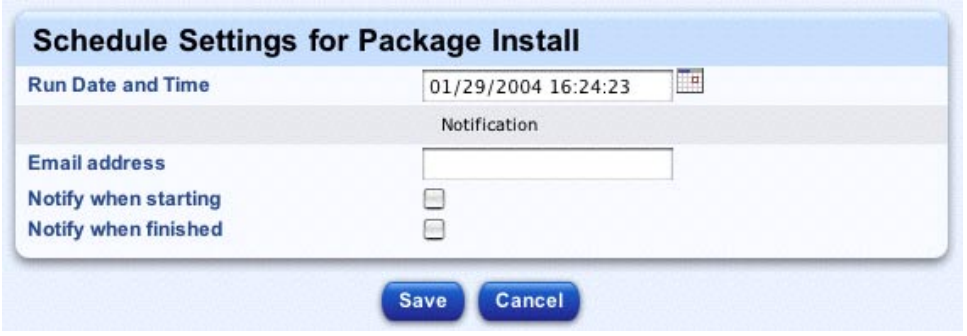

FIGURE 7 Schedule Settings for Package Install table

Viewing details of a package file

To view the detailed information for a needed package file:

1. **Select Software Management > Needed Software.**

   The Choose Hosts... table appears, displaying the list of managed hosts.

2. **Click to highlight a host(s). You can also click Select All at the top to choose all hosts in the list.**

3. **Click View at the bottom of the table.**

   The Needed Software table appears, showing the managed hosts; see FIGURE 6. The needed package files for each host are listed under each entry.

4. **Select the package file(s) in the list of available package files for which you want to view the detailed information.**

5. **Click Info at the bottom of the table.**

   A Package Info table appears. For a sample, see FIGURE 4.

   If you choose more than one package, a separate table for each package appears.

6. **The table provides the following information:**

   - the name of the package file
   - the version number
   - the vendor of the package file
   - a description of the package file
   - the location of the package file
   - the size of the package file (in MB)
   - whether the package file can be uninstalled once it has been installed on the host
   - whether the host must be rebooted once the package file has been installed
   - (if necessary) the package file(s) that must be installed on the host before you can install this package file

7. **Click the *up-arrow* icon in the top-right corner to return to the Needed Packages table.**

Remote Servers

Through the Settings sub-menu item, you can add, modify or remove a remote software server for the Software Management module. The remote software server can be a BlueLinQ server or a YaST Online Update (YOU) server.

The Sun Control Station accesses the remote software servers and displays the available list of package files for the hosts that it manages.

Note – The remote software servers listed under this menu item contain software packages for the hosts managed by the Sun Control Station, and not for the control station itself.

Sun Control Station as a BlueLinQ server

Your Sun Control Station can act as a BlueLinQ server. All BlueLinQ-enabled servers, including other Sun Control Stations, can see package files published on your control station. This allows the control stations to share and distribute the package files more efficiently, and to take full advantage of the "Publish" feature in the Software Management module.

BlueLinQ server for Sun Cobalt server appliances

The Sun BlueLinQ server `updates.cobalt.com/packages/` provides a list of package files available for your Sun Cobalt server appliances.

To add this server to the list of remote software servers, see "Adding a remote software server" on page 31.

YaST Online Updater feature

The YaST Online Updater (YOU) feature is the update and patching mechanism that is bundled in the Sun JDS software. The Sun Control Station can act as a mirror of a remote YOU server.

Remote Software Servers table

The Remote Software Servers table displays the remote software server(s) that you have configured in the Software Management module. The Software Management module displays all package files available from these servers.

Note – The host name of the remote software server(s) that you enter must be resolvable by a Domain Name System (DNS) server that your Sun Control Station accesses.

The table has three columns; FIGURE 8 shows a sample of this table.

- Name: the name of the remote software server
- URL: the host name or the IP address of the remote software server
- Actions: modify the settings for the server or remove the remote software server

FIGURE 8 Remote Software Servers table

You can sort the list of remote software servers according to the name of the server or the URL address, in ascending or descending order.

Ascending order means from lowest value to the highest value (a–z or 1–9). Descending order means from highest value to the lowest value (z–a or 9–1). By default, the Remote Software Servers table is sorted by server name in ascending order.

In the heading of the column which has been sorted, a *triangle* icon points down (ascending order) or up (descending order).

Actions column

Once a remote software server has been added, you can perform various operations on that server. These operations are found in the Actions column of the Remote Software Servers table and are explained further on.

- modify a remote software server
- delete a remote software server

Adding a remote software server

Note – When you add a remote software server, you can specify a `proxy:port` setting for HTTP and FTP queries for that particular server. This allows you to have a Sun Control Station inside of your firewall and another outside of the firewall.

Note – To access updates for the Sun JDS, add a new YOU server with the following URL:
`http://jdsupdate.sun.com:8080/lpsauth-1.0/updates/`.

You can find the user name and password for accessing this YOU server in the *Sun Java Desktop System Support Entitlement Certificate* in your Sun JDS media kit.

To add a remote software server to the Software Management module:

1. **Select Software Management > Settings.**

   The Remote Software Servers table appears.

2. **Click Add Server below the table.**

   The Add A Remote Software Server table appears; see FIGURE 9.

3. **Fill in the following fields:**
   - Server Type: From the pull-down menu, select either BlueLinQ or YaST Online Updater.
   - Server Name: Enter a name for the server.
   - Server URL: Enter the URL for the server.
   - Description (*Optional*): Enter a short description for this server. The description field can contain up to 255 characters.
   - User Name (*Optional*):
   - Password (*Optional*):

Note – The User Name and Password fields apply only to a YaST Online Updater (YOU) server.

   - HTTP Proxy:Port (Optional): If you must pass through a proxy server to reach outside your firewall to a remote software server(s), enter the proxy server and port number for HTTP queries.

     For example, `proxy.mycompany.com:8080` is a valid entry.
   - FTP Proxy:Port (Optional): If you must pass through a proxy server to reach outside your firewall to a remote software server(s), enter the proxy server and port number for FTP queries.

     For example, `proxy.mycompany.com:8080` is a valid entry.

4. **Click Save.**

   The Remote Software Servers table refreshes with the new server added. The servers are sorted by server name in ascending order.

   To view the package files available from the newly added remote software server, see "Refreshing the list of packages" on page 6.

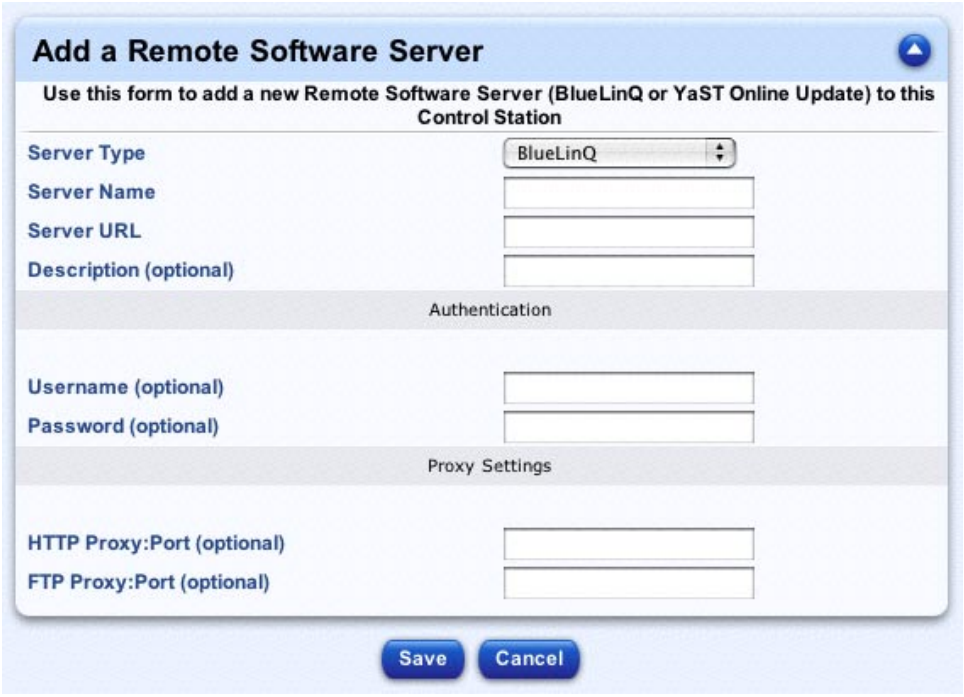

FIGURE 9 Add A Remote Software Server table

Modifying a remote software server

To modify a remote software server:

1. **Select Software Management > Settings.**

   The Remote Software Servers table appears.

2. **Locate in the table the server that you want to modify.**

3. **Click the *pencil* icon in the Actions column.**

   The Edit Remote Software Server table appears.

4. **You can modify the server type, the server name, the URL for the server, the description for the server, the user name and password (for a YOU server), the HTTP Proxy:Port or the FTP Proxy:Port.**

   The Description, HTTP Proxy:Port and FTP Proxy:Port fields are optional.

5. **Click Save.**

   The Remote Software Servers table appears; if you changed the server name or the URL, the modified information is displayed.

Removing a remote software server

If you remove a remote software server from the Software Management module, all package files available from that server are immediately removed from the Packages table.

Package files that have been downloaded from this server to the local repository are still available and displayed in the list.

To remove a remote software server:

1. **Select Software Management > Settings.**

   The Remote Software Servers table appears.

2. **Locate in the table the server that you want to remove.**

3. **Click the *delete* icon in the Actions column.**

   A confirmation dialog appears, asking if you to confirm the removal.

4. **Click Delete Server.**

   The Remote Software Servers table appears with the server removed.

Server Settings

The Server Settings table allows you to configure certain settings for the BlueLinQ server(s) that you add. See FIGURE 10.

Note – The settings configured on this screen apply to all of the BlueLinQ servers listed in the BlueLinQ Settings table.

Note – This feature does not apply to a YaST Online Updater (YOU) server.

The BlueLinQ Server Settings table displays the following field:

- **Automatically Download Packages.** If this check box is enabled, available package files will be downloaded automatically to the local repository on the Sun Control Station.

From this screen, you can also create a scheduled task so that the control station automatically checks for new package files on the BlueLinQ servers. Simply click Schedule Autoupdate above the table.

When you schedule an automatic update, you can also specify an email address(es) to which notifications of new software or errors in queries for software update are sent.

Configuring the settings

To configure the settings for the BlueLinQ server(s):

1. **Select Software Management > Settings.**

   The Remote Software Servers table appears.

2. **Click Server Settings below the table.**

   The BlueLinQ Server Settings table appears; see FIGURE 10.

3. **Enable or disable the check box Automatically Download Packages.**

4. **Click Save.**

   The BlueLinQ Server Settings table appears. A message appears above the table stating that the server configuration was saved successfully.

FIGURE 10 BlueLinQ Server Settings table

Scheduling an automatic update of the package files

You can also create a scheduled task so that the control station automatically checks for new package files on the BlueLinQ servers.

To create a scheduled update task:

1. **Select Software Management > Settings.**

   The Remote Software Servers table appears.

2. **Click Server Settings below the table.**

   The BlueLinQ Server Settings table appears; see FIGURE 10.

3. **Click Schedule Autoupdate above the table.**

   The Schedule Settings for Auto Update table appears.

   For more information, see “Schedule” on page 38.

General Information

Task Progress dialog

When you launch a task (for example, when installing a package file on a host or publishing a new package file), a Task Progress dialog appears in the user interface (UI). This dialog has a Status field indicating the current status of the task and a progress bar. When the progress bar displays 100%, the task has completed.

If you want to perform another task in the UI while the current task is underway, you can put the Task Progress dialog in the background. Simply click the button labelled Run Task In Background below the progress bar.

To return to the Task Progress dialog, select Administration > Tasks on the left. The Task table appears. If the task is still underway, a status message is displayed in the Duration column. Click on the *progress-bar* icon in this column to re-display the Task Progress dialog for this task.

Once the task is complete and the progress bar displays 100%, two buttons appear below the Task Progress dialog: Done and View Events.

- To view the list of events associated with the task just completed, click View Events. The Events For <Task> table appears. If you then click the *up-arrow* icon in the top-right corner, the Tasks table appears.
- To return to the previous screen, click Done.

Schedule

The Schedule feature (also referred to as the Scheduler) allows you to schedule a task or tasks to be performed at a later time.

Many of the tasks on the Sun Control Station can be scheduled. In this case, a button labelled Schedule appears in the table or selector window of the final step.

For complete information on how the Schedule function works, refer to "Schedule" in Chapter 1 in the PDF *Administrator Manual*.

The Scheduler works in the same way for any task:

1. **Fill in the necessary fields for the task.**
2. **Click Schedule.**

   The Schedule Settings For <Task> appears.
3. **The following settings are available for any scheduled task:**
   - Run date: Using the pull-down menus, enter the date on which you want the task to run.
   - Run Time: Using the pull-down menus, enter the time at which you want the task to run.
   - Email Address (Optional): Enter an email address of the person who will be notified when the task runs.
   - Notify When Starting: Enable the check box to notify the person when the task is starting.
   - Notify When Finished: Enable the check box to notify the person when the task has completed.
4. **For some functions, you can set the frequency of the task with a pull-down menu above the table (for example, hourly or daily).**
5. **Click Save or Cancel.**

   If you click Cancel, the scheduled task is not saved. The Scheduled Tasks table appears, but without the task you just cancelled.

   If you click Save, the scheduled task is added to the list of scheduled tasks. The Scheduled Tasks table appears with the new task.
6. **In this table, you can view details for, modify or delete a scheduled task.**

   To view the details of a scheduled task, click the *magnifying-glass* icon.

   To modify a scheduled task, click the *pencil* icon.

   To delete a scheduled task, click the *delete* icon.

   FIGURE 11 shows a sample of a Scheduler table.

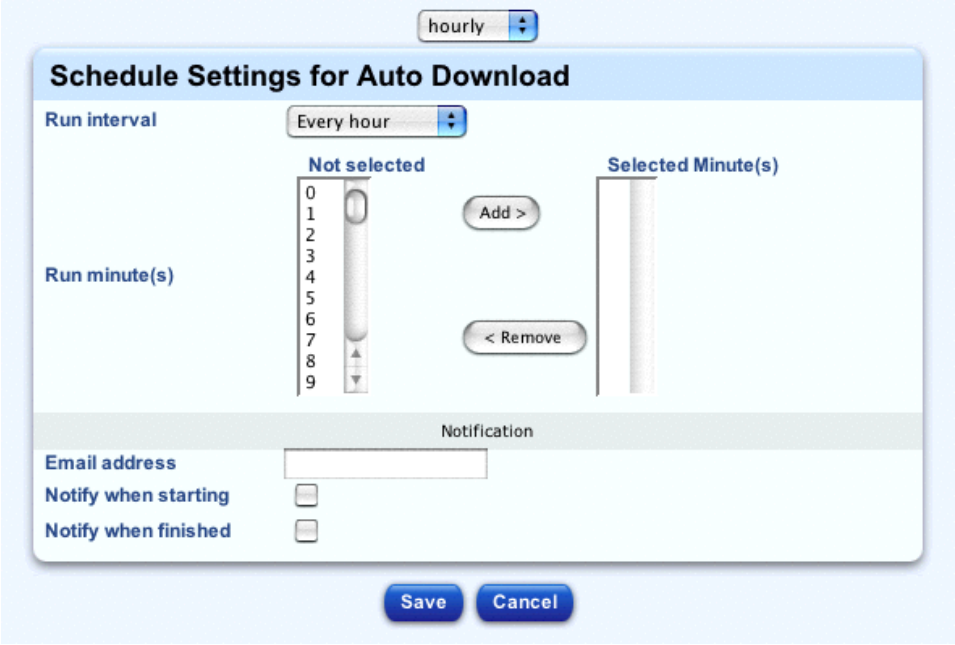

FIGURE 11 Scheduler table

Dependency Checking

When you launch an Install A Package File task, the Sun Control Station first performs dependency checks on the host you selected to ensure that the selected package file(s) can be installed. This operation verifies three things:

- whether other package files are required before the selected package file can be installed.

  If yes, and if these required package files are available to the control station, they are installed in the correct order; the selected package file is installed afterward.

- whether the selected package files are obsolete for that host
- whether the selected package files have already been installed on the host

The control station displays a confirmation screen for you to confirm or cancel the install task.

The install task is an all-or-nothing operation, meaning that all package files are installed on the appropriate host(s) in one operation. If there are any package-file dependencies that cannot be resolved by the Sun Control Station (a red status), the entire install task cannot proceed.

Status Colors

On the confirmation screen, the Patch Install Status table appears at the top.

This table displays the overall status of the install task as a colored circle and icon. If any component in the install task has yellow status, the overall status of the install task is displayed as yellow; if any component has red status, the overall status is red.

The status is represented as:

Green with checkmark: There are no dependency issues and you can install the package file(s) on the host(s).

Yellow with exclamation mark: There is at least one dependency issue that can be resolved for the package file(s) that you want to install on the host(s). You can proceed with the install task. The control station will first install the necessary package file(s) to resolve the dependency issue(s) on the host(s), and then install the selected package files.

Red with X: There is at least one dependency issue for the selected package file(s) that cannot be resolved by the control station. You cannot proceed with the install task if the status is red.

For a yellow or red status, always view the details in the Install Information by Appliance or Install Information by Patch table that appears below the Patch Install Status table.

FIGURE 12, FIGURE 13, FIGURE 14 and FIGURE 15 show different samples of the dependency-check results on the confirmation screen.

Install Information By Host table

The Install Information by Host table appears by default; FIGURE 12 shows a sample table. The table has the following five columns:

- Install Status: the status, shown as a colored ball, of the install task for this host.
- Comment: comments on any dependency issues.
- Client IP: the IP address of the host that will receive the package file(s).
- Number of Pkgs: the number of package files that will be installed on the host.
- Details: view the package file(s) that will be installed on the host, or remove the host from the overall install installation.

  When you view the package files to be installed, a second table of information appears. In this table, you can click on another icon to view all of the information about a package file.

  If one of the managed hosts shows a red status, meaning it has dependency issues that the control station cannot resolve, you can remove the host so that the rest of the install task can proceed.

Install Information By Patch table

To view the Install Information by Patch table, use the pull-down menu at the top to select View by Patches. FIGURE 13 shows a sample table. The table has the following five columns:

- Install Status: the status, shown as a colored circle and icon, of the install task for this package file.
- Package Name: name of the package file.
- Version: version of the package file.
- Number of Hosts: the number of hosts on which the package file will be installed.
- Details: view the host(s) on which the package file will be installed, or view the package-file information.

If you notice that all of the selected host(s) display a red status, this table can help identify whether it is a single package file that is causing dependency problems on all of the hosts.

Install Now or Schedule

If you can proceed with the install task, you can choose to install the package file(s) immediately or to schedule the installation for a later time.

- If you click Install, the Task Progress dialog appears. For more information, see “Task Progress dialog” on page 37.
- If you click Schedule, the Scheduler screen appears. For more information, see “Schedule” on page 38.

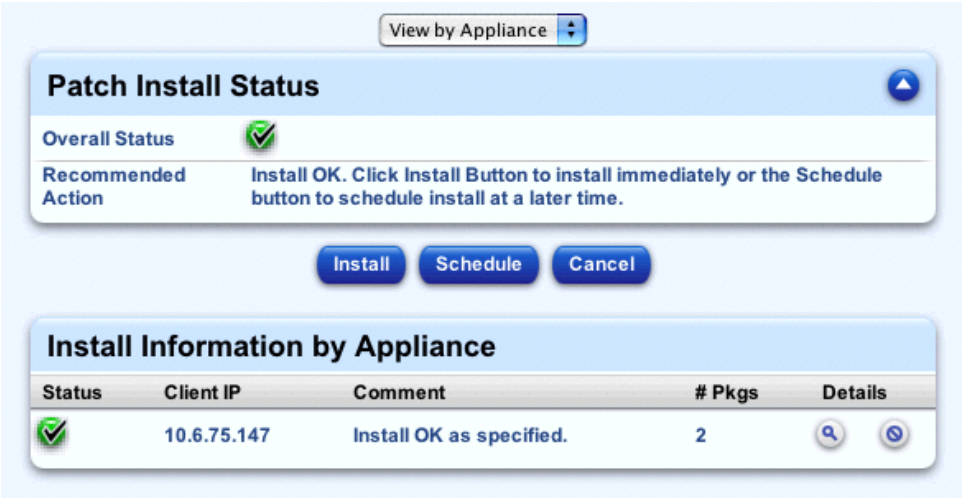

FIGURE 12 Install Status Green (By Appliances) table

FIGURE 13 Install Status Green (By Patches) table

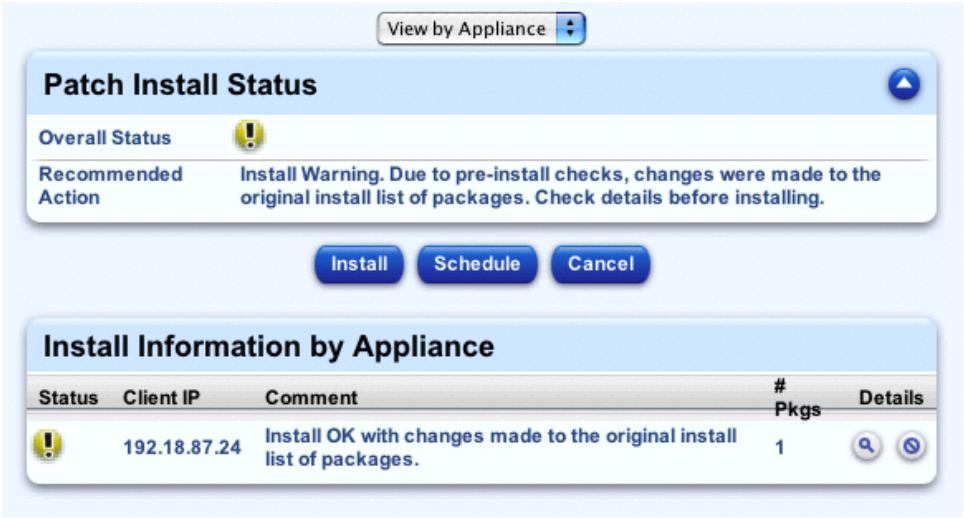

FIGURE 14 Install Status Yellow table

FIGURE 15 Install Status Red table