

Adapting Package Files for the RaQ 3 or 4 to the Qube 3

1 Overview

Cobalt and third-party vendors distribute new software, updates, and third-party software for Cobalt server appliances in the form of downloadable software *.pkg files, referred to as *package files*. Package files are available from Cobalt Network's web and FTP sites, and from third-party vendors. Cobalt uses package files to distribute and install software because it fits the Cobalt philosophy of ease of use: users can install software using only a web browser, which is easier and more intuitive than telnet or other Unix command line interfaces.

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1.1 Audience

This technical note is to assist those developers who have created package files for the RaQ 3 or 4 so that their package files run on the Qube 3. This technical note is a quick-start guide for those who already have created package files for the RaQ 3 or 4 who want to adapt them for use on the Qube 3. For full details about the RaQ 3 or 4 package files, see Developer Technical Note 2 on the Cobalt Developer web site at <http://developer.cobalt.com/devnet/technotes.html/>. For full details on creating a Qube 3 package file, see the *Sausalito Developer's Guide* at <http://developer.cobalt.com/devnet/technotes.html/>.

1.2 Applicable Products

All Cobalt server appliances make use of package files. For a list of products, see "Cobalt products and their software model numbers" on page 2.

2 Adapting a Package File for the RaQ 3 and 4 to the Qube 3

A package file is a single downloadable compressed collection of files used for software installation or updates for Cobalt Network's server appliances.

See Table 1, "Differences in package files between the RaQ 3 and 4 and the Qube 3," on page 2 for a list of the different components between the package files for the RaQ 3 and 4 and the package file for the Qube 3.

Table 1. Differences in package files between the RaQ 3 and 4 and the Qube 3

RaQ 3 or 4	Qube 3
<p><code>packing_list</code> file—a text file listing the package title, version, reboot flag, uninstall script name, a list of scripts, a list file reference, and a list of <code>*.rpm</code> files included in the package file.</p>	<p>See the section on Package Structure in the <i>Sausalito Developer's Guide</i>.</p>
<p><code>upgrade_me</code> file—an install shell script. Note: the install script name is always named <code>upgrade_me</code>, regardless of whether it is for initial software installation or an upgrade or update to existing software.</p>	<p>This file is no longer used for the Qube 3. Instead, the Qube 3 provides a standardized means of checking for package dependencies and running scripts before and after the RPMs have been installed.</p>
<p><code>uninstall_me</code> file—an uninstall shell script</p>	<p>This file is no longer used for the Qube 3. Instead, the Qube 3 provides a standardized means of running a script after the RPMs have been installed.</p>
<p><code>*.rpm</code> files—these are software modules in RedHat Package Manager (RPM) format that you install on the Cobalt server appliance.</p>	<p>This is the same: however, you no longer need to create a <code>null.rpm</code> file.</p>
<p><code>register_me</code> file—a file that causes you to be notified when your package file is installed, uninstalled, and in the future, activated or deactivated.</p>	<p>On the Qube 3, you have install and uninstall scripts, so this file is no longer needed. Package files for the Qube 3 check for dependencies. See the section on Package Dependency Model in the <i>Sausalito Developer's Guide</i>.</p>
<p><code>index.html</code> file—a web page that you create that gets linked from the installed software page of the server administration</p>	<p>You must provide a User Interface page that links into the Programs page. See the User Interface and UIFC sections of the <i>Sausalito Developer's Guide</i>. Use <code>sample.qube3.pkg</code> as a template.</p>

2.1 Sample Package Files

A sample package file is available at `ftp://ftp.cobaltnet.com/Templates/`. Click `sample.qube3.pkg`.

3 Cobalt Product Numbers

Each server appliance model can have a unique software configuration. Do **not** modify `/etc/build` on the server.

Table 2. Cobalt products and their software model numbers

Cobalt Server Product	Model Number
Qube	2700WG
Qube - Japanese	2700WGJ
Qube 2	2800WG
Qube 2 - Japanese	2800WGJ



Cobalt Server Product	Model Number
Qube 2 - French	2800WGF
RaQ - Japanese	2700RJ
RaQ upgraded to RaQ 2 software	2799R
RaQ upgraded to RaQ 2 - Japanese	2799RJ
RaQ 2	2800R
RaQ 2 - Japanese	2800RJ
Cache Qube	2700C
Cache RaQ	2700CR
Cache RaQ 2	2800CR
RaQ 3i	3000R
RaQ 3r	3000R
RaQ 4i	3001R
RaQ 4r	3100R
Qube 3 (Basic)	4000WG
Qube 3 with caching (Business edition)	4010WG
Qube 3 with caching and mirroring (Professional edition)	4100WG

Note

Japanese models are designated by the letter J at the end; French models are designated by the letter F .
