

Using the kickstart file

Synopsis

Each time you run the installer, a kickstart file is generated. This file will be saved next to the manifest file that was used for installation. The filename is in the format `qube-component_group-install_version-kickstart.qks`, e.g. `qube-upgrade-6.4-4-kickstart.qks` or `qube-worker-6.4-4-kickstart.qks`. The kickstart file can be used by the installer to replicate the install/upgrade on another computer. This is an OS independent file, so you can, for example, install or upgrade across Linux, macOS, and Windows using the same kickstart file on the command line of each OS.

The kickstart file contains the list of the components that were selected for installation, *un*installation, the component group selection, and the supervisor discovery parameters if they were provided. It follows, then, that a kickstart file could be used to manage the removal of Qube! components as well as it can be used for install or upgrade. For the component group options "Upgrade Installed" or "Uninstall Everything", the exact component selection saved in the kickstart file is ignored and will be replaced at run time. For all other component group selections, the exact selections for install and uninstall will be replicated each time the kickstart file is used. In either case, when running on the command line (without a GUI), any component that needs to be downloaded will be downloaded by the installer before it is installed. If the component has already been downloaded by one computer, it will not be downloaded again by subsequent computers (assuming the location of the manifest, and therefore individual component installation files, is on a shared file server).

To use the kickstart file, you must run the installer on the command line. In fact, the installer may only be run on the command line when used in conjunction with a kickstart file. Once the file is created, usage is quite simple:

```
/path/to/qubeInstaller.version.os.exe /path/to/qube-kickstart.qks
```



macOS users

On macOS, the installer is an application package. You must run the binary **inside** the application package in order to use command line options. The binary in the application package will be, for example, in `qubeInstaller.MacOSX-x86_64.app/Contents/MacOS/qubeInstaller`, in which case, an macOS user would run the above command as:

```
sudo qubeInstaller.MacOSX-x86_64.app/Contents/MacOS/qubeInstaller /path/to/qube-kickstart.qks
```

"Upgrade Installed" kickstart files are agnostic with respect to type and operating system

As mentioned above, the "Upgrade Installed" and "Uninstall Everything" component group options will make the installer evaluate the component selection at runtime. If the admin wanted to upgrade all Qube! computers in a farm, they would simply run an upgrade install on a single computer (choosing the "Upgrade Installed" component group) then run the installer on every other machine with the `qube-upgrade-6.x-x.qks` file that was generated by the installer. Even if one machine is a Supervisor, a second is a Worker, and a third is only a Client, the upgrade kickstart file will do what is expected and upgrade all the components on the local machine.



The directory that contains the manifest, kickstart, and subdirectories for OS-dependent installation files (the **local repository**) is portable. It can be moved from one directory to another or from one machine to another or from one OS to another.

The local repository may be on a network disk; on Windows the installer will copy the install packages to local disk prior to the install.

Example Usage

```
briank$ sudo qubeInstaller.MacOSX-x86_64.app/Contents/MacOS/qubeInstaller qube-upgrade-6.4-4-kickstart.qks
INFO: Running in non-UI mode
Downloading:
INFO: Adding component_qube-core to ftp queue
INFO: Adding component_qube-supervisor to ftp queue
INFO: Adding component_qube-worker to ftp queue
INFO: Adding component_qubegui to ftp queue
INFO: Adding component_qubeArtistView to ftp queue
INFO: Adding component_qube-maya3d to ftp queue
INFO: Adding component_qube-mentalray3d to ftp queue
INFO: Adding component_qube-miGen3d to ftp queue
INFO: Adding component_qube-mtor3d to ftp queue
INFO: Adding component_qube-pyHoudini3d to ftp queue
```

INFO: Adding component_qube-pyNukejt to ftp queue

qube-worker	100.0%
qubegui	100.0%
qube-supervisor	100.0%
qube-mayaajt	100.0%
qube-mentalrayjt	100.0%
qube-miGenjt	100.0%
qubeArtistView	100.0%
qube-mtorjt	100.0%
qube-pyHoudinijt	100.0%
qube-pyNukejt	100.0%
qube-core	100.0%
qube-pyNukejt	Uninstalling...
qube-pyNukejt	Uninstalled
qube-pyHoudinijt	Uninstalling...
qube-pyHoudinijt	Uninstalled
qube-mtorjt	Uninstalling...
qube-mtorjt	Uninstalled
qube-miGenjt	Uninstalling...
qube-miGenjt	Uninstalled
qube-mentalrayjt	Uninstalling...
qube-mentalrayjt	Uninstalled
qube-mayaajt	Uninstalling...
qube-mayaajt	Uninstalled
qubeArtistView	Uninstalling...
qubeArtistView	Uninstalled
qubegui	Uninstalling...
qubegui	Uninstalled
qube-worker	Uninstalling...
INFO: worker has shut down.	
qube-worker	Uninstalled
qube-supervisor	Uninstalling...
INFO: supervisor has shut down.	
qube-supervisor	Uninstalled
qube-core	Uninstalling...
qube-core	Uninstalled
qube-core	Installing...
qube-core	6.4-4
qube-supervisor	Installing...
qube-supervisor	6.4-4
qube-worker	Installing...
qube-worker	6.4-4
qubegui	Installing...
qubegui	6.4-4
qubeArtistView	Installing...
qubeArtistView	1.0-2
qube-mayaajt	Installing...
qube-mayaajt	6.4-1
qube-mentalrayjt	Installing...
qube-mentalrayjt	6.4-0
qube-miGenjt	Installing...
qube-miGenjt	6.4-0
qube-mtorjt	Installing...
qube-mtorjt	6.4-0
qube-pyHoudinijt	Installing...
qube-pyHoudinijt	6.4-0
qube-pyNukejt	Installing...
qube-pyNukejt	6.4-0

+-----+ Qube Upgrade Report +-----+		
qube-miGenjt	6.4-0	
qube-pyHoudinijt	6.4-0	
qube-worker	6.4-4	
qube-supervisor	6.4-4	
qube-core	6.4-4	
qube-mtorjt	6.4-0	
qube-pyNukejt	6.4-0	
qubegui	6.4-4	
qube-mentalrayjt	6.4-0	
qube-mayajt	6.4-1	
qubeArtistView	1.0-2	
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Install Complete