



Mac OS X Roxen installation guide

Thank you for installing Roxen for Mac OS X! This guide will explain how to do further configuration changes, where files related to Roxen are installed, how to start and stop Roxen, how to upload license files, and troubleshoot.

Further configuration

By default, a newly installed Roxen sever will listen to the following URL:s:

http://localhost/ – the default site. (Alternatively **http://localhost:8008/**)

http://localhost/edit/ – Go to the Content Editor of the default site. Access this URL with the administrator username and password and go to the “Access Control” tab to add new users. The “Docs” tab contains further documentation regarding Roxen.

http://localhost:22202/ – the administration interface. Access this URL with the administrator username and password to load Roxen modules, upload license files and make further configuration changes to the server.

Roxen files and directories

The following directories and files are created when Roxen is installed. To uninstall, remove any of these files and directories as necessary.

/etc/roxen/default/ – the configuration directory for the default Roxen server configuration. Several server instances can be installed in parallel, in which case each will have a unique configuration directory (e.g. **/etc/roxen/mysite/**).

/var/roxen/default/ – The data directory for the default Roxen server. It contains the database, site repository, local modules, feed directories, cache directories etc.

/var/log/roxen/default/ – The log directory for the default Roxen server, including both the access log in Common Log Format as well as the debug log.

/var/roxen/default/var/run/default.pid – The process id file for the default Roxen server.

/etc/hostconfig – Contains the line “ROXEN=YES-” used for the Startup Items.

/Library/StartupItems/Roxen/ – The script to automatically start Roxen servers.

/Applications/Roxen/ – Various helper applications for Roxen.

/usr/local/lib/roxen-x.y.z-abc/ – The binary directory for the Roxen server.

`/usr/local/lib/roxen/` – Helper applications for the Roxen server.

`/usr/local/bin/roxen` – Helper script for the Roxen server.

`/usr/local/bin/roxen-uninstall` – Helper script to uninstall Roxen.

`/usr/local/bin/roxen-create-server` – Script to create new server configurations (typically other configurations than `/etc/roxen/default/`).

How to start and stop Roxen

Run the StartupItem script located in `/Library/StartupItems/Roxen/Roxen` using appropriate arguments to start and stop Roxen. Run the script without any arguments to list all available options. Roxen needs to start as the **root** user to bind port 80, but the server will switch to the **www** user when the port has been bound.

Upload license files

To upload a license file, go to the administration interface. Select the tabs **Tasks > Maintenance > Upload license**. To apply a license for a site, select the site and then select the tab **Settings**. The setting is called **License file**. After assigning the license, the server needs to be restarted (see “How to start and stop Roxen” above).

Upgrading and downgrading

Multiple versions of Roxen can be installed in parallel because the binaries are versioned with the `/usr/local/lib/roxen-x.y.z-abc/` directory. The version used for a server instance is decided by the file located here: `/etc/roxen/default/_startparams`. When upgrading, this file is updated automatically. To downgrade, simply edit this file and change the variable called **roxenhome** to a suitable Roxen binary directory.

Uninstall

To uninstall Roxen, remove any of the files and directories related to Roxen as necessary, or use the command: `/usr/local/bin/roxen-uninstall`

Troubleshooting

The Roxen debug log is located here: `/var/log/roxen/default/debug/default.1`. View it from the Terminal using for example the **less** or **tail -F** commands, like this:

tail -F /var/log/roxen/default/debug/default.1

If Roxen does not respond, it can be very informative to do a *thread dump* using the following command: `/Library/StartupItems/Roxen/Roxen debug`. The output of the thread dump is saved in the debug log and it will indicate in detail what the server is doing. When contacting Roxen Support, please attach the **default.1** debug log if it can be helpful.