Installing Bacula Client on Mac OS X Server

This tutorial guides you through a Bacula install on a fresh installation of Mac OS X Server 10.5 (Leopard).

This does not include setting up firewall settings. The client bacula-fd daemon listens for connections from the server on TCP port 9102 and should be allowed to make unrestricted outbound connections to the 129.128.31.128/27 subnet.

Prerequisites for Installation:

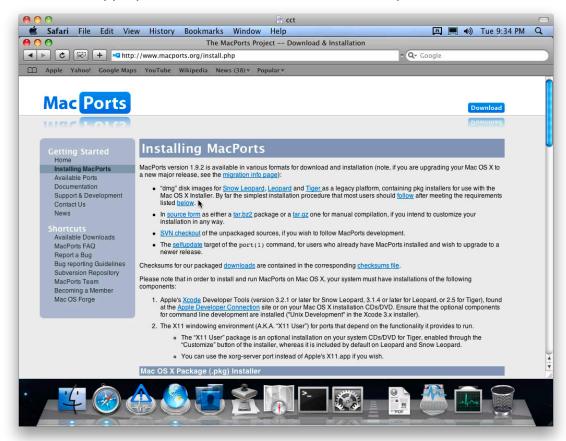
- MacPorts (formerly known as DarwinPorts)
- Xcode Developer Tools (version 3.2.1 or later for Snow Leopard, 3.1.4 or later for Leopard, or 2.5 for Tiger)
- X11 User package (optional on Tiger, included by default on Leopard and Snow Leopard)

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Install MacPorts

Visit the MacPorts download page at http://www.macports.org/install.php and download the appropriate installation file for MacPorts for your OS.



NOTE: If you have not yet installed Apple's Xcode Developer Tools (version 3.2.1 or later for Snow Leopard, 3.1.4 or later for Leopard, or 2.5 for Tiger), you will receive the following error:



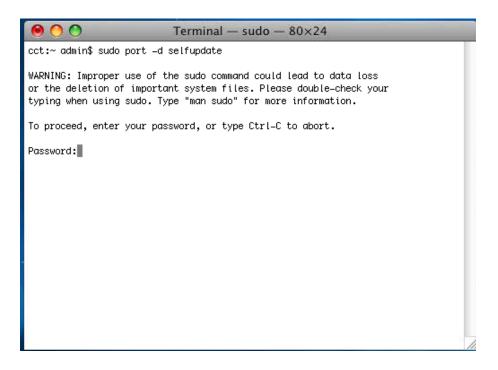
Please see the "Installing Xcode Developer Tools" section under Troubleshooting at the end of this document.

Locate the MacPorts .pkg file and run the installer. There are no unusual options to configure.

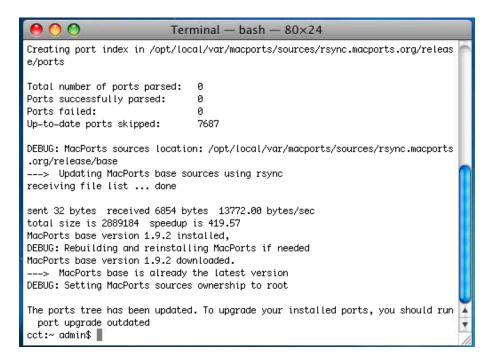


Install MacPorts Update

Open a Terminal window and enter the command: sudo port -d selfupdate

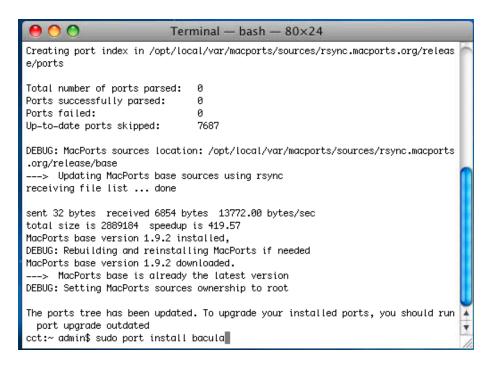


When complete, the window should look similar to the following:

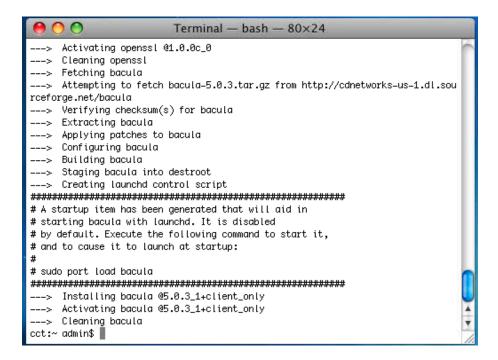


Install Bacula Client

Open a Terminal window and enter the command: sudo port install bacula



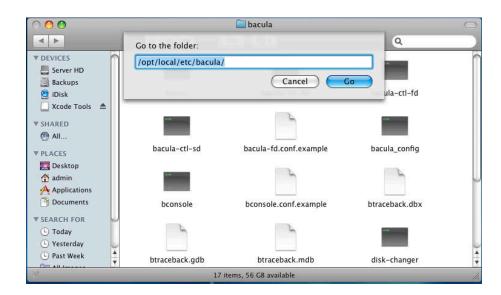
When complete, the window should look similar to the following:



Install Bacula Configuration Files

Place the **bacula-fd.conf** and **bconsole.conf** files provided to you by the Bacula administrators in the directory: **/opt/local/etc/bacula**



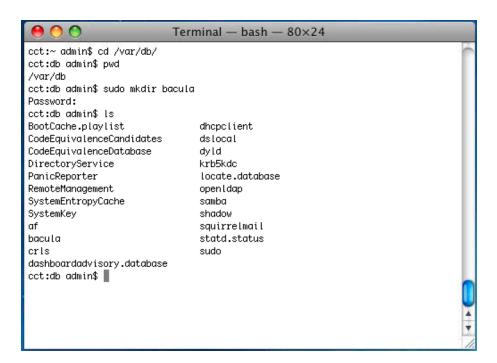


You will be prompted for administrator access to copy files to this location.

Create Bacula Working Directory

Create the directory: /var/db/bacula

You will need administrator access to create this directory.



Start the Bacula Daemon

Run the command: sudo /opt/local/sbin/bacula-fd

You will need administrator access to start the daemon.

Test Connectivity to Bacula Servers Using bconsole

Run the command: bconsole

You should see a successful connection as follows:



Success!

If you are able to connect to the Bacula director through bconsole successfully, your Bacula client setup is complete!

Your backup jobs should run at the scheduled times as set by Bacula admin.

Troubleshooting

Bacula admin cannot contact server, or beconsole does not connect

Ensure that your firewall allows incoming connections from the Bacula server, and allows unrestricted outbound connections to 129.128.31.128/27 subnet. (Subnet Mask: 255.255.254)

Ports 9101 and 9102 may be used for bconsole.

sudo: port: command not found

If the system cannot find the command "port" it will return the above error. You may need to install the latest version of MacPorts, or ensure that the .profile file or .bash profile includes the path to where port is installed.

configure: error: no acceptable C compiler found in \$PATH

Ensure all 3 of the Xcode Tools packages (Developer Tools Essentials, System Tools, UNIX Development Support) are installed, install the latest version of MacPorts, or ensure that the .profile file or .bash_profile includes the path to where gcc or cc is installed.

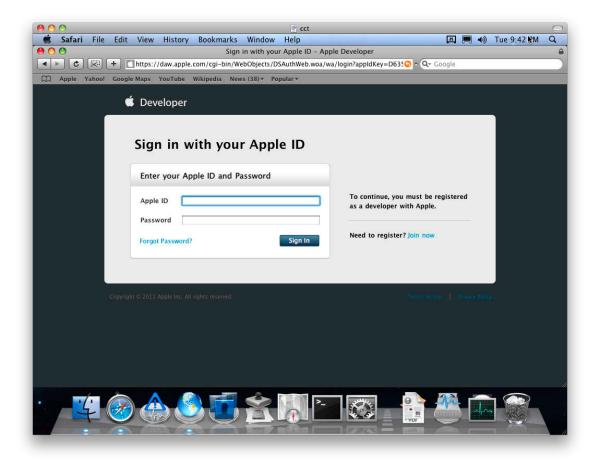
<Bacula server>-fd: ERROR TERMINATION AT util.c:859

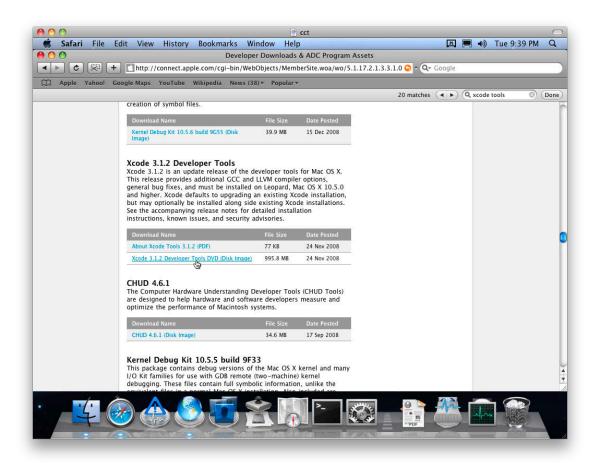
Working Directory: "/var/db/bacula" not found. Cannot continue. Ensure you create the directory listed above. You can use the following command: sudo mkdir /var/db/bacula

Installing Xcode Developer Tools

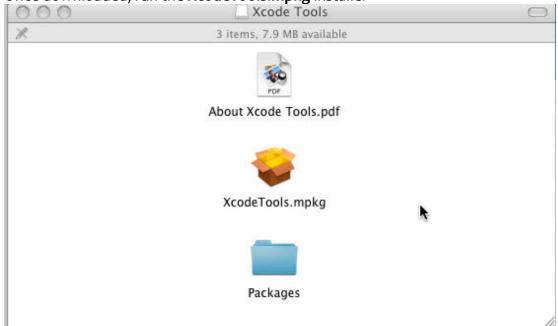
If you require the Xcode Developer Tools, you can download this from the Apple Developer Connection site at http://connect.apple.com

It is listed under Developer Tools section (under Downloads)





Once downloaded, run the XcodeTools.mpkg installer



Ensure that the following packages are installed:

- Developer Tools Essentials
- System Tools
- UNIX Development Support

