MacPatch

Proxy Server - Install & Setup Guide

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System Requirements

Server Requirements:

- Mac OS X or Mac OS X Server 10.7 or higher
- Using Intel Hardware, PPC is not supported
- 4 GB of RAM, 8 GB is recommended
- Java v1.6 or higher
- Xcode 4.3 or higher

Server Ports Used:

- Default
  - 80, 443, 2600, 2601

MacPatch System Tuning

In order to get the most out of Mac OS X Client/Server operating system some of it's default limits need to be increased. Please run the following commands via Terminal application. Note, a reboot is recommended after applying these changes.

Please note, these adjusted settings are for a system with 4 Gigs of RAM.

```
# echo 'kern.maxfiles=20480' | sudo tee -a /etc/sysctl.conf
# echo -e 'limit maxfiles 8192 20480\nlimit maxproc 1000 2500' | sudo tee -a /etc/launchd.conf
# echo 'ulimit -n 4096' | sudo tee -a /etc/profile
```

Suggested Links:
- http://support.apple.com/kb/HT4022

- http://support.apple.com/kb/HT3854

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Building the MacPatch Proxy Server

Building the proxy server software is very simple process. First the a tmeporary directory to hold the cloned MacPatch repository needs to be created. Clone the repository and run the "MPBuildProxyServer.sh" script.

Please note, Xcode needs to be installed and the command line tools need to be installed as well. Xcode is a free download via the "App Store.app".

Install Steps via command line:
- mkdir -p /Library/MacPatch/tmp
- cd /Library/MacPatch/tmp
- git clone https://github.com/SMSG-MAC-DEV/MacPatch.git
- /Library/MacPatch/tmp/MacPatch/scripts/MPBuildProxyServer.sh

Server Configuration

The proxy server requires that several components be setup and configured for the environment to work properly.
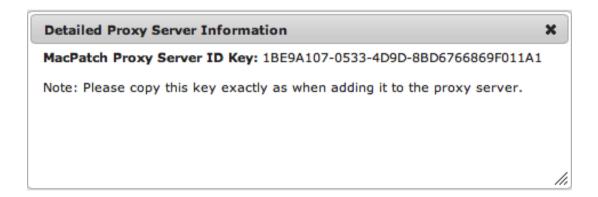
JAVA Check

Before any of the services are configured and launched now is the right time to make sure JAVA is installed. The best way to do this is to run " java -version" from the Terminal.app. If it's not installed the OS will prompt you to install it.

MacPatch Server, proxy setup

In order to get the proxy server up and working you will need to setup the proxy server in the "Master" MacPatch server via the web admin console.

1) Go to menu Admin->Proxy Server->Settings
2) Click on the "+" icon in the bottom lefthand corner of the proxy server table view to create a new entry.
3) Enter the proxy server host name, port (2600 default) and a description, and click the submit button.
4) Click on the "Info" icon on the bottom toolbar and copy the **Server ID Key** for later.

Detailed Proxy Server Information   ✖

MacPatch Proxy Server ID Key: 1BE9A107-0533-4D9D-8BD6766869F011A1

Note: Please copy this key exactly as when adding it to the proxy server.

5) Go to menu Admin->Server->MacPatch Servers
6) Click on the "+" icon in the bottom lefthand corner of the proxy server table view to create a new entry.

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7) Enter the proxy server host name, port (2600 default), enable "Use SSL", enable "Is Proxy", enable "Active" and click the submit button.

Proxy Server Configuration Steps

To configure the proxy server simply run the "MPProxyConfig.sh" shell script. This shell script does require admin rights. The script will prompt you for all nessasarry information. Please note, you will be propted for the Server ID Key durning the script.

> # /Library/MacPatch/Server/conf/scripts/MPProxyConfig.sh

After the script has completed there are a couple of optional settings which can be filled in at any given time.

Edit the "/Library/MacPatch/Server/conf/etc/siteconfig.xml" file

admin.mailto		
enable	0=off, 1=on	Enable error reports to be emailed.
email	Email Address	Address to send results to
admin.ip		
allow	a ip or partial ip to match against (e.g. 10.0.1.)	For allowing forced replication from master server.
mailserver		
server	Smtp server address	
username	SMTP user name	Remove if not needed
Password	SMTP user password	Remove if not needed

Configure MacPatch Client Software

In order for the MacPatch clients to take advantage of the proxy server settings the "Agent Configuration" will need to be updated. Simply go to the menu "Admin->Client Agents->Configure" and edit the default agent configuration. To make the change edit the "MPProxyEnabled" attribute and set it to "1" and save.

Please note, at this time the agent config is not managed so you'll need to push the change out via a patch or something.