OS X Snow Leopard

- Mac OS X & Mac OS X Server v10.6 Security Guides
- Turn off Spotlight indexing in Snow Leopard
- Cisco VPN Client for Mac OS 10.6 Snow Leopard
- Ricoh printer/copier setup for older models not supported in OS X 10.6

Mac OS X & Mac OS X Server v10.6 Security Guides

Mac OS X and Mac OS X Server Security Guides

http://www.apple.com/support/security/guides/

http://www.nsa.gov/ia/guidance/security_configuration_guides/operating_systems.shtml

Information in part from Tim Parker, Sr. Systems Engineer, Higher Education Division, Apple

Turn off Spotlight indexing in Snow Leopard

In some cases, constant indexing of files inside large compressed files (eg: Netboot images) can cause a machine to become unusable. Simply unchecking options in System Preferences >> Spotlight will not help prevent Mac OS from constantly attempting to index those files.

Instead, indexing can be turned off from the command line. From terminal, type the following command to disable indexing:

```
sudo mdutil -a -i off
```

To turn it back on:

```
sudo launchctl load -w /System/Library/LaunchDaemons/com.apple.metadata.mds.plist@sudo mdutil -a -i on
```

There are a few good free app launchers that mimic Spotlight's functionality (eg: Alfred App).

Cisco VPN Client for Mac OS 10.6 Snow Leopard

If you upgrade to Mac OS 10.6 Snow Leopard you might need to reinstall the BOL Cisco vpn client:

https://www.bol.ucla.edu/pub/bol/vpn/software/vpnmac-4.9.01.0180.dmg.zip

Alternately, users can uninstall the Cisco client (via the command-line, using "sudo /usr/local/bin/vpn_uninstall" in Terminal), and use the Snow Leopard built-in VPN client, which can be accessed from System Preferences→Network, and also features a convenient VPN control in the menu bar.

More configuration Details:

VPN type: IPsec

Server: vpn.ucla.edu

Group Name: UCLAIPSEC

Shared Secret: R2d3gg!#5

Ricoh printer/copier setup for older models not supported in OS X 10.6

There is (as of this writing) a large user base of older model Ricoh MFPs (copier/scanner/fax) installed that do not have an OS X 10.6 driver from Ricoh. This includes the Ricoh Aficio MP 8000.

The researched solution is to use the open-source pxlmono driver setup (Linux openprinting/Apple CUPS). Many additional workarounds exist (e.g. use the newer model drivers for an older MFP), but there are some issues— for many, *UserCode* support is required to print, which is missing.

For these cases:

Step 1:

Install pxlmono drivers (currently pxlmono 1.9, Foomatic-RIP 4.06, Ghostscript 8.71) from here:
http://www.linuxfoundation.org/collaborate/workgroups/openprinting/macosx/pxlmono

Step 2:
From the same link as above, scroll down to your printer model, click on the link and go to that printer page. Then click on "view PPD" to identify the printer PPD file name to verify functionality you need. (this step may not be necessary)

Step 3 (thanks to August from Ricoh for figuring this out):
Go to
/Library/Printers/PPDs/Contents/Resources/en.lproj

Find the *ppd.gz* file that corresponds to your printer. Extract it to just a *.ppd* file.

Step 4:
Edit the PPD file to change the user code from the generic predefined 1001, 1002, or 1003 to your

actual user codes.

(per "Hard code Usercode in the driver PPD file, chose to edit it manually; instructions:

http://www.linuxfoundation.org/collaborate/workgroups/openprinting/database/ricohfaq#Ricoh_FAQ

)

Save the changes. It may be useful to repack the extracted PPD file again but it is not necessary—
it is somewhat more clear if you do so.

Step 5:

via System Preferences, add the printer as normal. Make sure to select the correct driver— you
may see it twice since you have now the .ppd version and the .ppd.gz version— guess between
the two (aka try both if needed), but one of them was correct. If you have repacked the PPD file
into ppd.gz and removed the uncompressed version then this potential complication is removed.

Print a test page— e.g. in Microsoft Word 2011, go to Print, under Standard Presets, go to Printer
Features, then Feature Sets: Job Log: and pick the correct user code you have inputted.

If the correct user codes do not preset themselves as choices you may need to reboot the
machine, reselect the printer driver, or both. It did not work the first two times but the third time it
took.

(Suspect the OS was caching the printer driver, hence why no changes were seen to the
UserCode).