



Radmind - Command-Line Cheat Sheet

http://www.macos.utah.edu/OSX_OnCampus/UofU_Radmind_CLI_Cheatsheet.pdf

University of Utah, Student Computing Labs - Revised - 2/4/04



Download & Install Radmind Tools

ON CLIENT:

- Go to web site <http://www.radmind.org>, download Mac OS X Installer & run installer (enter admin password)
- On Mac's NOT currently managed...
 - **sudo -s** (enter admin password after pressing return)
 - **mkdir -p /var/radmind/client** (This directory is not created by radmind installer; -p option will create intermediate directories)
 - **tcsh** (In Mac OS X 10.3, bash is the default shell; some commands listed here are based on TCSH)
 - **limit descriptors 1024** (This increases number of open files supported by the process)
 - Note, you can **sudo -s** during your terminal session vs entering **sudo** at the beginning of each command.

Tools & Man Page Paths (Note, you will need to specify the entire path since it is NOT the default environment paths in Mac OS X)

ON CLIENT:

- **/usr/local/bin** (path for command-line tools)
- **/usr/local/man** (path for man pages)

ON SERVER:

- **/usr/local/bin** (path for command-line tools)
- **/usr/local/sbin** (path for server daemon)
- **/usr/local/man** (path for man pages)

WORKAROUND

- Enter at the beginning of each radmind session
setenv PATH "\${PATH}:/usr/local/bin"
- Or modify script /etc/csh.login
System-wide .login file for csh(1).
setenv PATH "/bin:/sbin:/usr/bin:/usr/sbin:/usr/local/bin"

Make a creatable transcript

ON CLIENT:

- **cd /** (change directory to root of file system)
- **sudo fsdiff -C -c sha1 / > /var/radmind/client/<transcript name>.T**
(-C creatable transcript, -c enables checksum, you can use "/" for absolute or "." for relative paths)

Upload loadset (transcript & files)

ON CLIENT:

For positive transcripts...

- **sudo lcreate -c sha1 -h <radmind server> /var/radmind/client/<transcript name>.T**

For negative transcripts...

- **sudo lcreate -c sha1 -N -h <radmind server> /var/radmind/client/<transcript name>.T**
(with -N option uploads negative transcript & associated files as zero length)

Verify loadset (transcript & files)

ON SERVER:

- **cd /var/radmind/tmp/transcript**

For positive transcripts...

- **sudo lcksum -c sha1 -n <transcript name>.T** (with -n option it will verify & warn but not modify transcript)

For negative transcripts...

- **sudo lcksum -c sha1 <transcript name>.T** (without -n option it will modify checksum & size transcript to match files)

Move loadset (transcript & files)

ON SERVER:

- **sudo mv /var/radmind/tmp/transcript/<transcript name>.T /var/radmind/transcript**
- **sudo mv /var/radmind/tmp/file/<transcript name>.T /var/radmind/file**

Update Client Command & Transcripts

ON CLIENT:

- **sudo ktcheck -c sha1 -h <radmind server>**

Update client

ON CLIENT:

- **cd /** (change directory to root of file system)
- **sudo fsdiff -A -c sha1 / | lapply -F -c sha1 -h <radmind server>**
(-A applicable transcript, -c enables checksum, -F allows removal of locked files, you can use "/" for absolute or "." for relative paths)

Merge Loads

ON SERVER:

- **cd /var/radmind/transcript**
- **sudo lmerge <update>.T <default>.T <new>.T**