

Linux RPM Cheat Sheet

Redhat Package Manager

Installing software:

Installing, Upgrading and Updating	Function
rpm -i <package.rpm>	Install
rpm -iv	be verbose
rpm -i --nodeps	don't check dependencies
rpm -ih	print progress (hashes)
rpm -i --test	just test the install, don't actually do it.
rpm -i --force	overwrite other files and packages
rpm -U <package.rpm>	Upgrade. Install if it isn't already
rpm -Uv	be verbose
rpm -U --nodeps	don't check dependencies
rpm -Uh	print progress (hashes)
rpm -U --test	just test the Upgrade, don't actually do it.
rpm -U --force	overwrite other files and packages
rpm -F <package.rpm>	Freshen. Update installed software.
rpm -Fv	be verbose
rpm -F --nodeps	don't check dependencies
rpm -Fh	print progress (hashes)
rpm -F --test	just test the Freshen, don't actually do it.
rpm -F --force	overwrite other files and packages

Removing software:

Removing	Function
rpm -e <package.rpm>	Remove
rpm -ev	be verbose
rpm -e --nodeps	don't check dependencies
rpm -e --test	just test the erase, don't actually do it.

Querying:

Querying	Function
rpm -q	query
rpm -qa	queries all installed packages
rpm -ql <packagename>	lists all files belonging installed package.
rpm -qlp	lists all files that are in the rpm.
rpm -qi <packagename>	shows information on the installed package.
rpm -qip <package.rpm>	shows information on the rpm.
rpm -qf <filename>	query package that owns <filename>
rpm -q --whatprovides <file>	find package that provides <file>

Check software:

Verifying and Checking	function
rpm -V <packagename>	Verify - checks to see if installed package has changed in any way since it was installed.
rpm -Va	Verify all
Checks for and displays: <ul style="list-style-type: none"> S file Size differs M Mode differs (includes permissions and file type) 5 MD5 sum differs D Device major/minor number mis-match L readLink(2) path mis-match U User ownership differs G Group ownership differs T mTime differs 	
rpm -K <package.rpm>	Checks PGP sig to see if package is actually from who it says it's from and that the package.rpm is intact.