YUM COMMAND CHEAT SHEET

for Red Hat Enterprise Linux

YUM QUERIES

SUBCOMMAND	DESCRIPTIONS AND TASKS
help	Display yum commands and options `yum help` Show yum subcommands and options

Individual packages

SUBCOMMAND	DESCRIPTIONS AND TASKS

list	List package names from repositories
	`yum list available`
	List all available packages
	`yum list installed`
	List all installed packages
	`yum list all`
	List installed and available packages
	`yum list kernel`
	List installed and available kernel packages

info	Display information about a package `yum info vsftpd` List info about vsftpd package
deplist	Display dependencies for a package `yum deplist nfs-utils` List dependencies and packages providing them

provides	Find packages that provide the queried file
	`yum provides "*bin/top"`
	Show package that contains top command
	`yum provides "*/README.top"`
	Show package containing README.top file

search	Search package names and descriptions for a term `yum search samba` Find packages with samba in name or description
updateinfo	Get information about available package updates `yum updateinfo security` Get info on available security updates

Groups of packages

SUBCOMMAND	DESCRIPTIONS AND TASKS
grouplist	List names of installed and available package groups
groupinfo	Display description and contents of a package group `yum groupinfo "Web Server"` See packages in Web Server group
check-update	Query repositories for available package updates

MANAGE YUM REPOSITORIES

SUBCOMMAND	DESCRIPTIONS AND TASKS
repolist	Display enabled software repositories
repoinfo	Display information about enabled yum repositories * `yum repoinfo rhel-7-server-rpms` See info on rhel-7-server-rpms repo

repo-pkgs	Work with packages in a particular repository *
	`yum repo-pkgs my-rpms list`
	List packages from my-rpms repo
	`yum repo-pkgs my-rpms install`
	Install all packages from my-rpms repo
	`yum repo-pkgs my-rpms remove`
	Remove all packages from my-rpms repo

makecache	Download yum repository data to cache

TROUBLESHOOT AND MAINTAIN YUM

SUBCOMMAND	DESCRIPTIONS AND TASKS
check	Check the local RPM database for problems (runs for a long time)

history	View and use yum transactions
	`yum history list`
	List all yum install, update and erase actions
	`yum history info 3`
	Show details of yum transaction 3
	`yum history undo 3`
	Undo the yum action from transaction 3
	`yum history redo 3`
	Redo the undone yum action from transaction 3

clean	Clear out cached package data
	`yum clean packages`
	Delete packages saved in cache
	`yum clean all`
	Clean out all packages and meta data from cache

fssnapshot	List LVM stapshots (helps roll back after package updates)

fs	Act on filesystem (prevent doc or language file install on minimal systems)
	`yum fs filters`
	List enabled filesystem filters
	`yum fs documentation`
	Filters all docs from being installed (careful!)

INSTALL, REMOVE AND UPGRADE PACKAGES WITH YUM

SUBCOMMAND	DESCRIPTIONS AND TASKS
install	Install a package from a repository to your system `yum install vsftpd` Install the vsftpd package

update	Update one or all packages on your system
	`yum update`
	Update all packages with available updates
	`yum update httpd`
	Update the httpd package (if available)
	`yum update --security`
	Apply security-related package updates

update-to	Update one or all packages to a particular version
upgrade	Update packages taking obsoletes into account

localinstall	Install a package from a local file, http, or ftp
	`yum localinstall abc-1-1.i686.rpm`
	Install abc package from local directory
	`yum localinstall http://myrepo/abc-1-1.i686.rpm`
	Install abc from FTP site

downgrade	Downgrade a package to an earlier version `yum downgrade abc` Downgrade the abc package to an earlier version
reinstall	Reinstall the current version of a package `yum reinstall util-linux` Reinstall util-linux (to replace any deleted files)
swap	Remove one package and install another `yum swap ftp lftp` Remove ftp package and install lftp package
erase	Erase a package (and possibly dependencies) from your system `yum remove vsftpd` Remove the vsftpd package and dependencies
remove	Same as erase
autoremove	Same as erase, plus removes additional unneeded packages * `yum autoremove httpd` Remove httpd and other unneeded packages
groupinstall	Install all packages in the selected group `yum groupinstall "Web server"` Install Web Server packages

MANAGE LANGUAGE PACKAGES WITH YUM

SUBCOMMAND	DESCRIPTIONS AND TASKS
langavailable	List all available languages *
langinfo	List packages available for a language * **yum langinfo es** List packages associated with Spanish language
langinstall	Install packages associated with a particular language * **yum langinstall es** Install packages associated with Spanish language
langlist	List languages that are installed *
langremove	Remove installed language packs for a language * **yum langremove es** Remove packages associated with Spanish language

POPULAR OPTIONS FOR DIFFERENT YUM COMMANDS **

OPTION	DESCRIPTION
-y	Assume yes if prompted
--assumeno	Assume no if prompted
-q	Produce no output
-v	Produce extra debugging output
--noplugins	Run command without loading any yum plugins
--disableplugin=	Disable a particular plugin for single command **yum --disableplugin=langpacks info vsftpd**
--enableplugin=	Enable a plugin that is installed, but currently disabled **yum --enableplugin=ps ps** Show packages tied to running processes
--enablerepo=	Enable currently disabled repo for a single command (wildcards okay) **yum install docker ** **--enablerepo=rhel-7-server-extras-rpm**
--disablerepo=	Disable currently enabled repo for a single command (wildcards okay) **yum list available --disablerepo=epel**
--downloadonly	Download to /var/cache/yum/*arch*/*prod*/*repo*/ packages/, but don't install **yum install --downloadonly vsftpd** Download vsftpd package to cache
--filter-*???*=	Replace *???* with vendors, rpm-groups, arches, and others to filter output
--changelog	Display changelog information of package

MORE YUM-RELATED COMMANDS (install the yum-utils package)

COMMAND	DESCRIPTION
find-repos-of-install	Find which repository a package comes from
needs-restarting	Find processes that have been updated and need to restart
repoclosure	Get unmet dependency list from repositories
repoquery	Query remote repos and local RPM database **repoquery --requires --resolve bash** Show dependent packages
reposync	Synchronize yum repositories to a local directory **reposync -r rhel-atomic-host-beta-rpms** Get packages from repo
repotrack	Download a package and all its dependencies
show-installed	List installed RPM packages and statistics
verifytree	Check the local yum repository for consistency
yum-complete-transaction	Try to complete yum transactions that didn't finish
yumdb	Check or change the yum database
yumdownloader	Download a package from a repo to current directory

Type **man yum** for futher details on all yum subcommands and options

*   New options for RHEL 7

**   Some options need yum plugins. Type **yum list "yum-plugin*"** to see available plugins.

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