

# YUM COMMAND CHEAT SHEET

## for Red Hat Enterprise Linux

### YUM QUERIES

| SUBCOMMAND  | DESCRIPTIONS AND TASKS  |
|-------------|---|
| <b>help</b> | Display yum commands and options<br><b>yum help</b><br>Show yum subcommands and options |

### Individual packages

|                   |  |
|-------------------|--|
| <b>list</b>       | List package names from repositories<br><b>yum list available</b><br>List all available packages<br><b>yum list installed</b><br>List all installed packages<br><b>yum list all</b><br>List installed and available packages<br><b>yum list kernel</b><br>List installed and available kernel packages |
| <b>info</b>       | Display information about a package<br><b>yum info vsftpd</b><br>List info about vsftpd package  |
| <b>deplist</b>    | Display dependencies for a package<br><b>yum deplist nfs-utils</b><br>List dependencies and packages providing them  |
| <b>provides</b>   | Find packages that provide the queried file<br><b>yum provides “*bin/top”</b><br>Show package that contains top command<br><b>yum provides “*/README.top”</b><br>Show package containing README.top file   |
| <b>search</b>     | Search package names and descriptions for a term<br><b>yum search samba</b><br>Find packages with samba in name or description   |
| <b>updateinfo</b> | Get information about available package updates<br><b>yum updateinfo security</b><br>Get info on available security updates  |

### Groups of packages

|                     |  |
|---------------------|--|
| <b>grouplist</b>    | List names of installed and available package groups   |
| <b>groupinfo</b>    | Display description and contents of a package group<br><b>yum groupinfo “Web Server”</b><br>See packages in Web Server group |
| <b>check-update</b> | Query repositories for available package updates   |

### MANAGE YUM REPOSITORIES

| SUBCOMMAND       | DESCRIPTIONS AND TASKS  |
|------------------|---|
| <b>repolist</b>  | Display enabled software repositories   |
| <b>repoinfo</b>  | Display information about enabled yum repositories *<br><b>yum repoinfo rhel-7-server-rpms</b><br>See info on rhel-7-server-rpms repo   |
| <b>repo-pkgs</b> | Work with packages in a particular repository *<br><b>yum repo-pkgs my-rpms list</b><br>List packages from my-rpms repo<br><b>yum repo-pkgs my-rpms install</b><br>Install all packages from my-rpms repo<br><b>yum repo-pkgs my-rpms remove</b><br>Remove all packages from my-rpms repo |
| <b>makecache</b> | Download yum repository data to cache   |

### TROUBLESHOOT AND MAINTAIN YUM

| SUBCOMMAND        | DESCRIPTIONS AND TASKS  |
|-------------------|---|
| <b>check</b>      | Check the local RPM database for problems (runs for a long time)  |
| <b>history</b>    | View and use yum transactions<br><b>yum history list</b><br>List all yum install, update and erase actions<br><b>yum history info 3</b><br>Show details of yum transaction 3<br><b>yum history undo 3</b><br>Undo the yum action from transaction 3<br><b>yum history redo 3</b><br>Redo the undone yum action from transaction 3 |
| <b>clean</b>      | Clear out cached package data<br><b>yum clean packages</b><br>Delete packages saved in cache<br><b>yum clean all</b><br>Clean out all packages and meta data from cache   |
| <b>fssnapshot</b> | List LVM snapshots (helps roll back after package updates)  |
| <b>fs</b>         | Act on filesystem (prevent doc or language file install on minimal systems)<br><b>yum fs filters</b><br>List enabled filesystem filters<br><b>yum fs documentation</b><br>Filters all docs from being installed (careful!)  |

### INSTALL, REMOVE AND UPGRADE PACKAGES WITH YUM

| SUBCOMMAND          | DESCRIPTIONS AND TASKS   |
|---------------------|--|
| <b>install</b>      | Install a package from a repository to your system<br><b>yum install vsftpd</b><br>Install the vsftpd package  |
| <b>update</b>       | Update one or all packages on your system<br><b>yum update</b><br>Update all packages with available updates<br><b>yum update httpd</b><br>Update the httpd package (if available)<br><b>yum update --security</b><br>Apply security-related package updates |
| <b>update-to</b>    | Update one or all packages to a particular version   |
| <b>upgrade</b>      | Update packages taking obsoletes into account  |
| <b>localinstall</b> | Install a package from a local file, http, or ftp<br><b>yum localinstall abc-1-1.i686.rpm</b><br>Install abc package from local directory<br><b>yum localinstall http://myrepo/abc-1-1.i686.rpm</b><br>Install abc from FTP site                             |
| <b>downgrade</b>    | Downgrade a package to an earlier version<br><b>yum downgrade abc</b><br>Downgrade the abc package to an earlier version   |
| <b>reinstall</b>    | Reinstall the current version of a package<br><b>yum reinstall util-linux</b><br>Reinstall util-linux (to replace any deleted files)   |
| <b>swap</b>         | Remove one package and install another<br><b>yum swap ftp lftp</b><br>Remove ftp package and install lftp package  |
| <b>erase</b>        | Erase a package (and possibly dependencies) from your system<br><b>yum remove vsftpd</b><br>Remove the vsftpd package and dependencies   |
| <b>remove</b>       | Same as erase  |
| <b>autoremove</b>   | Same as erase, plus removes additional unneeded packages *<br><b>yum autoremove httpd</b><br>Remove httpd and other unneeded packages  |
| <b>groupinstall</b> | Install all packages in the selected group<br><b>yum groupinstall “Web server”</b><br>Install Web Server packages  |

## MANAGE LANGUAGE PACKAGES WITH YUM

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

## POPULAR OPTIONS FOR DIFFERENT YUM COMMANDS \*\*

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

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

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

Type **man yum** for further 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.