





1 Install new software packages

Tool	Command	Notes
RPM	rpm -i package file rpminstall package file	Package file refers to a local .rpm file in the current directory
	rpm -inodeps package file rpminstallnodeps package file	Package file refers to a local .rpm file in the current directory; ignore package dependencies
	rpm -ihv package file	Package file refers to a local $.rpm$ file in the current directory; installation with verbose output, and process bar
YUM	yum groupinstall package group	Install all packages from a package group from a software repository
	yum install <i>package</i>	Install a package from a software repository
	yum localinstall package	Install a package from a local file, http, or ftp resource
	yum reinstall <i>package</i>	Reinstall the current version of a package from a software repository

2 Renew existing software packages

Tool	Command	Notes
RPM	rpm -F package file	Upgrade an already installed package; based on a local file.
	rpmfreshen package file	
	rpm -U package file	Upgrade an already installed package, or install package if not already
	rpmupgrade package file	installed; based on a local file.
YUM	yum update	Update all packages with available updates; based on a software repository
	yum update package	Update the specified package, only; based on a software repository
	yum updatesecurity	Apply security-related package updates, only; based on a software repository
	yum update-to package-version	Update the specified package, or all packages up to a specific version; based on a software repository
	yum upgrade	Update all installed packages taking obsoletes into account; based on a software repository
	yum upgrade <i>package</i>	Update the specified package taking obsoletes into account; based on a software repository







3 Reinstall an existing software package

Tool	Command	Notes
RPM	rpmreinstall package file	Package file refers to a local file
YUM	yum reinstall <i>package</i>	Package is obtained from the package repository

4 Install a previous version of a software package (downgrade)

Tool	Command	Notes
YUM	yum downgrade <i>package</i>	The previous version of the package is installed

5 Download software packages, only

Tool	Command	Notes
YUM	yum installdownloadonly package	The package is obtained from the package repository, and stored in the package cache. After that it can be installed using the command ${\tt rpm}$ -i ${\it filename}$.
	yumdownloader package	The package is obtained from the package repository, and stored in the current directory. After that it can be installed using the command ${\tt rpm}$ -i ${\tt filename}$.
	yumdownloaderresolve package	The package, and its dependencies are obtained from the package repository, and are stored in the current directory. After that these packages can be installed using the command ${\tt rpm}$ -i ${\tt filename}$.

6 Remove software packages as well as the configuration files

Tool	Command	Notes
RPM	rpm -e package	
	rpmerase package	
	rpm -enodeps package	Remove the package without a dependency check
	rpmerasenodepspackage	
YUM	yum erase <i>package</i>	Remove the package (and possibly dependencies)
	yum remove package	







7 List installed software packages

Tool	Command	Notes
RPM	rpm -qa	List all installed packages
	rpmqueryall	
	rpm -qalast	List all installed packages, display the most recent ones first
	rpmqueryalllast	
YUM	yum list installed	List all installed packages
	yum list all	List all installed, and available packages
	yum list package	Show installed version for this package

8 Display information about a single software package

Tool	Command	Notes
RPM	rpm -q package	Display installation status for the package
	rpmquery package	
	rpm -qp package file	Display installation status for the local package file
	rpmquerypackage package file	
	rpm -qi <i>package</i>	Display detailed package information
	rpmqueryinfo package	
	rpm -qpi <i>package file</i>	Display detailed information for the local package file
	rpmquerypackageinfo package file	
YUM	yum info package	Display detailed package information, and installation status

9 Display package dependencies

Tool	Command	Notes
RPM	rpm -qR <i>package</i>	Display required packages for an installed package
	rpmqueryrequires package	
	rpm -qpR package file	Display required packages for a package available as a local file
	rpmquerypackagerequires package	
YUM	yum deplist package	Display dependencies for a package
	repoqueryrequires package	
	yumdownloaderresolve package	







10 List files of a package prior to installation

Tool	Command	Notes
RPM	rpm -ql package	Show content of local package
	rpmquerylist package	
	rpm -qpl package file	Show content of local, or remote package
	rpmquerypackagelist package file	
YUM	repoquery -l package	Show content of local, or remote package
	repoquerylist package	

11 List files of an installed package

Tool	Command	Notes
RPM	rpm -ql package	Show content of local package
	rpmquerylist package	
YUM	repoquery -l package	Show content of local, or remote package
	repoquerylist package	

12 List configuration files of a package

Tool	Command	Notes
RPM	rpm -qc package	List all the files from the package that are explicitly flagged as confi-
	rpmqueryconfigfiles package	guration files

13 List documentation files of a package

Tool	Command	Notes
RPM	rpm -qd <i>package</i>	List all the files from the package that are explicitly flagged as docu-
	rpmquerydocfiles package	mentation files







14 Identify the package from which a file originates

Tool	Command	Notes
RPM	rpm -qf filename	Search for the file in all installed packages. Filename has to be speci-
	rpmqueryfile filename	fied with full path
YUM	yum provides $filename$	Search for the file in all available packages. Filename has to be specified with full path

15 Display package status

Tool	Command	Notes
RPM	rpm -qi <i>package</i>	Search in all available packages
	rpmqueryinfo package	
	rpm -qip package file	Search in the locally available package file
	rpmqueryinfopackage package file	
YUM	yum info package	Search in all installed packages

16 Validate package signature

Tool	Command	Notes
RPM	rpm -K <i>package</i>	Validate the GPG signature of the package
	rpmchecksig package	

17 Check package for changes

Tool	Command	Notes
RPM	rpm -Vp package file	Check the local package file
	rpmverifypackage package file	
	rpm -Va	Check all packages
	rpmverifyall	
YUM	yum verify <i>package</i>	Validate the installed package; requires YUM plugin yum-verify

Red Hat Package Management Cheatsheet

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18 Display available packages

Tool	Command	Notes
YUM	yum list available	List all available packages

19 Display renewable packages

Tool	Command	Notes
YUM	yum check-update	Query repositories for available package updates
	yum updateinfo list available	List available packages with a new version
	yum updateinfo list sec	List available security updates, only
	yum updateinfo listsecurity	

20 Recommended books and resources

Edward C. Bailey: Maximum RPM

Available languages: English

Project website: https://ftp.osuosl.org/pub/rpm/max-rpm/

Contribute: not known

RPM Documentation

Available languages: English

Project website: https://rpm.org/documentation.html

Contribute: not known