apk Alpine package manager

CONCEPTS

apk keeps a world file (/etc/apk/world) of what you asked for; everything else is a dependency and goes away with it.

Repositories /etc/apk/repositories
↓ apk update
Local index package list
↓ apk add
World file wanted packages
↓ resolve
Installed world + deps

INSTALL AND REMOVE

apk add *<pkg>*
Install a package

apk add *<pkg1>* *<pkg2>*
Install several packages

apk add --no-cache *<pkg>*
Install, skip the local index cache

apk del *<pkg>*
Remove a package and unused deps

apk add -t *<name>* *<pkg>*...
Group packages as a virtual package

apk del *<name>*
Remove a virtual package and its deps

apk add *<pkg>*=*<version>*
Install a specific version

apk add *<pkg>*@*<tag>*
Install from a tagged repository

apk add -u *<pkg>*
Upgrade a package if installed

apk add cmd:*<command>*
Install whichever package provides a command

apk add -s *<pkg>*
Simulate an install

UPDATE AND UPGRADE

apk update
Refresh the package index

apk upgrade
Upgrade all installed packages

apk update && apk upgrade
Refresh, then upgrade

UPDATE AND UPGRADE (cont.)

apk upgrade -s
Preview an upgrade

apk upgrade --available
Sync to repos after a release switch

apk upgrade *<pkg>*
Upgrade only this package

apk list -u
List upgradable packages

SEARCH AND INSPECT

apk search *<name>*
Search package names

apk search -e *<name>*
Search for an exact name

apk search -d *<text>*
Search descriptions

apk search -v *<name>*
Show versions and descriptions

apk search cmd:*<command>*
Find the package providing a command

apk info *<pkg>*
Show package details

apk info
List installed packages

apk list -I
List installed packages with versions

apk info -L *<pkg>*
List files in a package

apk info -W *<path>*
Find the package owning a file

apk info -e *<pkg>*
Check whether a package is installed

apk info -R *<pkg>*
List a package's dependencies

REPOSITORIES

cat /etc/apk/repositories
Show configured repositories

CACHE AND WORLD

apk cache clean
Delete outdated cached packages

cat /etc/apk/world
Show explicitly installed packages