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Delete outdated cached packages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