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 del -r <pkg>`
Also remove packages depending on it

`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

`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 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

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Delete outdated cached packages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