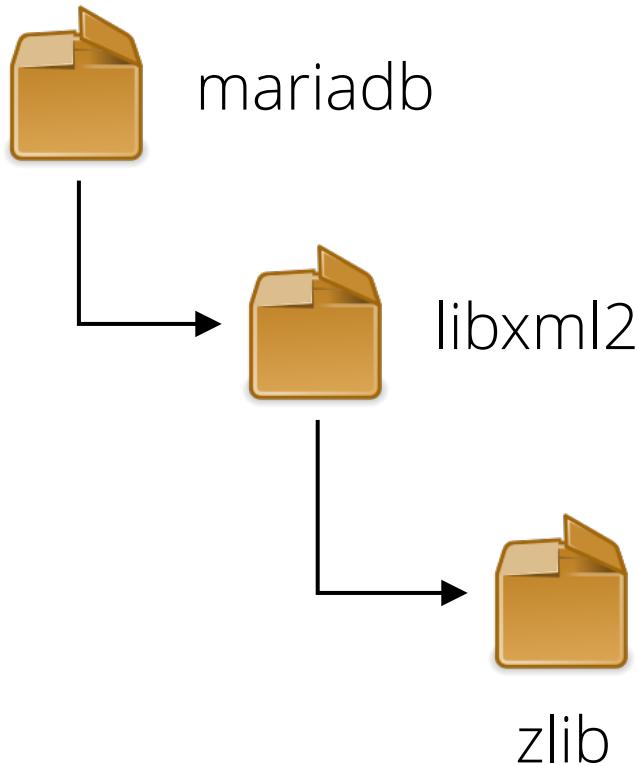


Package managers

COMS10012 / COMSM0085

Software Tools

Packages



```
$ apk search | wc -l  
10338
```

```
$ apk search maria  
mariadb-static-10.3.23-r0  
mariadb-connector-c-dev-  
3.0.10-r0  
mariadb-bench-10.3.23-r0  
mariadb-10.3.23-r0  
mariadb-server-utils-10.3.23-  
r0  
mariadb-backup-10.3.23-r0  
mariadb-doc-10.3.23-r0  
mariadb-openrc-10.3.23-r0  
mariadb-client-10.3.23-r0  
...
```

APK

apk: Alpine package manager

.apk files (same ending as Android, different format and system)

Debian/Ubuntu/Mint/...: **apt**

Red Hat: **rpm**

Arch: **pacman**

repositories

```
$ cat /etc/apk/repositories
```

<https://sjc.edge.kernel.org/alpine/v3.10/main>

<https://sjc.edge.kernel.org/alpine/v3.10/community>

Index of /alpine/v3.10/main/x86_64/

../

[APKINDEX.tar.gz](#)
[a2ps-4.14-r7.apk](#)
[a2ps-dev-4.14-r7.apk](#)
[a2ps-doc-4.14-r7.apk](#)

28-Sep-2020 10:25	739K
08-May-2019 12:28	697K
08-May-2019 12:28	136K
08-May-2019 12:28	135K

APKINDEX.tar.gz lists all packages for a system

finding packages

```
$ apk search [-v] [-d] STRING
```

```
$ apk info [-a] PACKAGE
```

```
$ apk list [-I] PACKAGE
```

```
$ apk [COMMAND] --help
```

update and upgrade

\$ sudo apk update

Download the new list of packages, but don't install anything yet.

\$ sudo apk upgrade

Upgrade all installed packages to the latest version.

installing

```
$ sudo apk add PACKAGE [PACKAGE...]
```

Installs one or more packages and their dependencies.

Vagrant:

```
$ cat /vagrant/Vagrantfile
```

...

```
apk add libc6-compat util-linux
```

...

Find a command

By complete file path:

```
$ apk info --who-owns /bin/bash
```

The website:

<https://pkgs.alpinelinux.org/>