

# CONAN CHEAT SHEET



**CONAN**  
C/C++ Package Manager

## Show Local Client Configuration

Conan application configuration

```
$ conan config get
```

Contents of a profile (eg. default)

```
$ conan profile show default
```

Remote Repositories

```
$ conan remote list
```

## Add and modify configurations

Install collection of configs

```
$ conan config install <url>
```

Change a single config value

```
$ conan config set general.revisions_enabled=1
```

Add a remote

```
$ conan remote add my_remote <url>
```

Provide credentials for remote

```
$ conan user -p <password> -r my_remote <username>
```

## Display information from recipes or references

Displays attributes of conanfile.py

```
$ conan inspect <path> -a <attribute>
```

Displays content of conanfile.py for a reference

```
$ conan get <reference>
```

Display dependency graph info for a recipe

```
$ conan info <path_or_reference>
```

## Search Packages

Search for packages in a remote

```
$ conan search zlib -r conan-center
```

## Consume Packages

Install package using just a reference

```
$ conan install <package_reference>
```

Install list of packages from conanfile

```
$ cat conanfile.txt
[requires]
zlib/1.2.11
$ conan install <path_to_conanfile>
```

Consume packages in build system via generators

```
$ cat conanfile.txt
[requires]
zlib/1.2.11
[generators]
cmake_find_package
msbuild
make
```

Install requirements and generate files

```
$ mkdir build && cd build
$ conan install ..
```

Run your build system (one of the following)

```
$ cmake .. && cmake --build .
$ msbuild myproject.sln
$ make
```

## Create a package

Create a recipe (conanfile.py) from templates

```
$ conan new <reference> -m <template>
```

Just export the recipe to local cache

```
$ conan export <path_to_conanfile>
```

Create package from recipe for one configuration  
Also implicitly does install and export steps

```
$ conan create . -pr <profile>
```

## Upload a Package

One or more with wildcard support, with binaries

```
$ conan upload zlib* -r remote --all
```

## Copy packaged files out of Conan cache

Using the deploy generator

```
$ conan install zlib/1.2.11@ -g deploy
```

## Conan Recipe Methods in Package Creation

