

# Ionic CLI cheatsheet

Ionic CLI is the default and easiest way to work with ionic projects. In this tutorial we will learn the ins and outs of Ionic CLI.

## Commands

### 1. Docs

Opens the ionic documentation website Usage: `ionic docs`

### 2. Generate

Used to Generate pipes, components, pages, directives, providers, and tabs (ionic-angular >= 3.0.0) Usage: `ionic generate [type] [name]`

#### Parameters

- **type** can be any of component, directive, page, pipe, provider, tabs
- **name** name for the item you are generating

#### Examples

```
ionic generate //generate various elements using interactive mode. Allows you to choose what to generate and give the name
ionic generate component //will ask for the name of the component
ionic generate component foo //will generate component named foo
```

### 3. Info

Used to print the system and development environment information. Usage: `ionic info`

### 4. Link

Connect your local app to Ionic

Usage: `ionic link [app_id]`

#### Parameters

- **app\_id** The ID of the app to link (e.g. a1b2c3d4)

#### Examples

```
ionic link
ionic link a1b2c3d4
```

### 5. Login

Login with your Ionic ID

Usage: `ionic login <email> <password>`

#### Parameters

- **email** Your email address
- **password** Your password

#### Examples

```
ionic login
ionic login john@example.com
ionic login hello@example.com secret
```

### 6. Serve

Start a local development server for app dev/testing

Usage: `ionic serve`

#### Options

- **--consolelogs, -c** Print app console logs to Ionic CLI
- **--serverlogs, -s** Print dev server logs to Ionic CLI
- **--port, -p** Dev server HTTP port
- **--livereload-port, -r** Live Reload port
- **--nobrowser, -b** Disable launching a browser
- **--nolivereload, -d** Do not start live reload
- **--noproxy, -x** Do not add proxies
- **--a\*** dress Network address for server
- **--browser, -w** Specifies the browser to use (safari, firefox, chrome)
- **--browseroption, -o** Specifies a path to open to (/#/tab/dash)
- **--lab, -l** Test your apps on multiple platform types in the browser
- **--nogulp** Disable gulp
- **--nosass** Disable sass
- **--platform, -t** Start serve with a specific platform (ios/android)

Examples

```
ionic serve --lab --consolelogs -s
```

## 7. Signup

Opens browser to create Ionic Cloud account

Usage: ionic signup

## 8. Start

Create a new Ionic project

Usage: ionic start <name> [template]

### Parameters

- **name** The name of your project directory
- **template** The starter template to use (e.g. blank, tabs; use **--list** to see all) **Options**
- **--type** Type of project to start (e.g. ionic-angular, ionic1) **--app-name, -n** Human-readable name (use quotes around the name)
- **--list, -l** List starter templates available
- **--skip-deps** Skip npm/yarn package installation of dependencies
- **--yarn** Opt-in to using yarn (instead of npm)
- **--skip-link** Do not link app to an Ionic Account

Examples

```
ionic start
ionic start mynewapp blank
ionic start mynewapp tabs --type ionic-angular
ionic start mynewapp blank --type ionic1
```

## 9. Telemetry

Opt in and out of telemetry

Usage: ionic telemetry [status]

### Parameters

- **status** on or off

## 10. Upload

Upload a new snapshot of your app

Usage: ionic upload

### Options

- **--note** Give this snapshot a nice description
- **--deploy** Deploys this snapshot to the given channel
- **--nobuild** Do not invoke a build for this upload

Examples

ionic upload

## 11. Cordova build

Build (prepare + compile) an Ionic project for a given platform

Usage: ionic cordova build <platform>

### Parameters

- **platform** The platform to build: ios, android

### Options

- **\*\*--prod** Build the application for production
- **\*\*--debug** Create a Cordova debug build
- **\*\*--release** Create a Cordova release build
- **\*\*--device** Deploy Cordova build to a device
- **\*\*--emulator** Deploy Cordova build to an emulator
- **\*\*--buildConfig** Use the specified Cordova build configuration

Examples

```
ionic cordova build ios
```

## 12. Cordova compile

Compile native platform code

Usage: ionic cordova compile <platform>

### Parameters

- **platform** The platform to emulate: ios, android

Examples

```
ionic cordova compile ios
```

## 13. Cordova emulate

Emulate an Ionic project on a simulator or emulator

Usage: ionic cordova emulate <platform>

### Parameters

- **platform** The platform to emulate: ios, android

### Options

- **--livereload, -l** Live reload app dev files from the device
- **--address** Use specific address (livereload req.)
- **--consolelogs, -c** Print app console logs to Ionic CLI
- **--serverlogs, -s** Print dev server logs to Ionic CLI
- **--port, -p** Dev server HTTP port
- **--livereload-port, -r** Live Reload port
- **--prod** Create a prod build with app-scripts
- **--list** List all available Cordova run targets
- **--debug** Create a Cordova debug build
- **--release** Create a Cordova release build
- **--device** Deploy Cordova build to a device
- **--target** Deploy Cordova build to a device (use --list to see all)

Examples

```
ionic cordova emulate ios --livereload -c -s
```

## 14. Cordova platform

Add or remove a platform target for building an Ionic app

Usage: ionic cordova platform [action] [platform]

#### Parameters

- **action** add, remove, or update a platform; list, check, or save all project platforms
- **platform** The platform that you would like to add (e.g. ios, android)

#### Options

- **--noresources, -r** Do not add default Ionic icons and splash screen resources (corresponds to add)

Examples

```
ionic cordova platform add android
```

## 15. Cordova plugin

Manage Cordova plugins

Usage: ionic cordova plugin [action] [plugin]

#### Parameters

- **action** add or remove a plugin; list or save all project plugins
- **plugin** The name of the plugin (corresponds to add and remove)

#### Options

- **--force** Force overwrite the plugin if it exists (corresponds to add)

Examples

```
ionic cordova plugin add cordova-plugin-inappbrowser@latest
ionic cordova plugin list
```

## 16. Cordova prepare

Transform metadata to platform manifests and copies assets to Cordova platforms

Usage: ionic cordova prepare [platform]

#### Parameters

- **platform** The platform you would like to prepare (e.g. ios, android)

## 17. Cordova resources

Automatically create icon and splash screen resources

Usage: ionic cordova resources [platform]

#### Parameters

- **platform** The platform for which you would like to generate resources (e.g. ios, android)

#### Options

- **--icon, -i** Generate icon resources
- **--splash, -s** Generate splash screen resources

Examples

```
ionic cordova resources
```

## 18. Cordova run

Run an Ionic project on a connected device

Usage: ionic cordova run <platform>

#### Parameters

- **platform** The platform to run: ios, android

### Options

- **--livereload, -l** Live reload app dev files from the device
- **--address** Use specific address (livereload req.)
- **--consolelogs, -c** Print app console logs to Ionic CLI
- **--serverlogs, -s** Print dev server logs to Ionic CLI
- **--port, -p** Dev server HTTP port
- **--livereload-port, -r** Live Reload port
- **--prod** Create a prod build with app-scripts
- **--list** List all available Cordova run targets
- **--debug** Create a Cordova debug build
- **--release** Create a Cordova release build
- **--device** Deploy Cordova build to a device
- **--emulator** Deploy Cordova build to an emulator
- **--target** Deploy Cordova build to a device (use --list to see all)
- **--buildConfig** Use the specified Cordova build configuration

### Examples

```
ionic cordova run ios --livereload -c -s
```

## 19. Package build

Start a package build

Usage: ionic package build <platform>

### Parameters

- **platform** The platform to target: ios, android

### Options

- **--prod** Mark this build as a production build
- **--release** Mark this build as a release build
- **--profile, -p** The security profile to use with this build
- **--note** Give the package snapshot a note

### Examples

```
ionic package build android
ionic package build ios --profile dev
ionic package build android --profile prod --release --prod
```

## 20. Package download

Download your packaged app

Usage: ionic package download [id]

### Parameters

- **id** The build ID to download. Defaults to the latest build

### Options

- **--destination, -d** The download destination directory

### Examples

```
ionic package download
ionic package download 15
ionic package download -d my_builds
```

## 21. Package info

Get info about a build

Usage: ionic package info [id]

### Parameters

- **id** The build ID. Defaults to the latest build

Examples

```
ionic package info  
ionic package info 15
```

## 22. Package list

List your cloud builds

Usage: `ionic package list`

Examples

```
ionic package list
```