## Generating Code from Blueprints



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# The Angular CLI generates code from blueprints



## Generating Code from Blueprints



Blueprints for most common features e.g. Components, Services, NgModules

**TypeScript blueprints** 

**Options** 

Aliases

**Project configuration** 



### The ng generate <blueprint> Command





# Blueprints

The Angular CLI generates from blueprints

Blueprints define the file(s)

We indicate a name and options



- - \$ ng generate component customer
  - \$ ng generate service customer-data
  - \$ ng generate class customer-model

- customer.component.ts
- → customer-data.service.ts
- → customer-model.ts

#### Generating from Blueprints

The generate command will generate code from a blueprint

Syntax: ng generate <blueprint> <options>

Use the --dry-run option to practice



## Components



#### Aliases as Shortcuts

The generate command will generate code from a blueprint

Use the g alias as a shortcut for generate

Use the c alias as a shortcut for component

- \$ ng generate component customer
- \$ ng g c customer



#### Common Component Blueprint Options

Options	Alias	Description
flat		Should a folder be created?
inline-template	-t	Will the template be in the .ts file?
inline-style	-S	Will the style be in the .ts file?
spec		Generate a spec?
view-encapsulation	-\/	View encapsulation strategy
change-detection	-C	Change detection strategy
dry-run	-d	Report the files, don't write them



#### Common Ways to Generate Components

```
$ ng generate component pet
$ ng generate component pet --inline-template --inline-style
```

```
$ ng g c pet

$ ng g c pet -t -s

Aliases makes efficient shortcuts

$ ng g c pet -ts

We can stack the aliases
```



#### Commonly Used Commands





## Demo

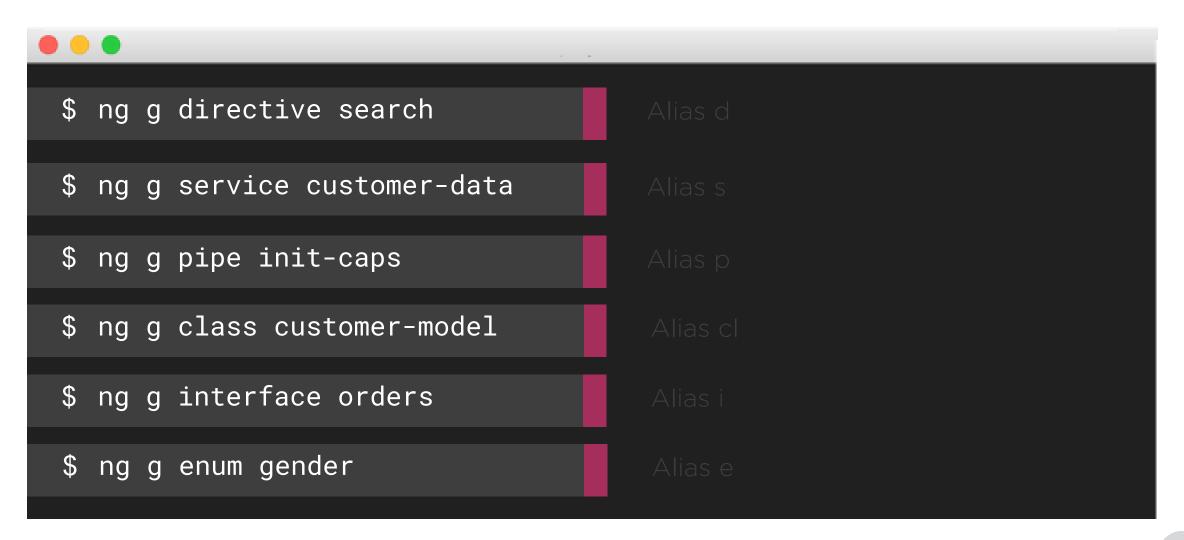




## Out-of-the-box Blueprints



#### More Blueprints





\$ ng generate module sales
\$ ng g m sales
\$ > sales.module.ts
\$ > sales.module.ts

#### NgModule BluePrints

Use ng generate module <options>

No spec by default

Consider if we want routing



## Getting Help

Add the --help flag

```
$ ng --help
```



## Generating Code from Blueprints



Use the out-of-the-box blueprints

Lean on ng --help and the docs

Use aliases for blueprints and options

Practice with --dry-run