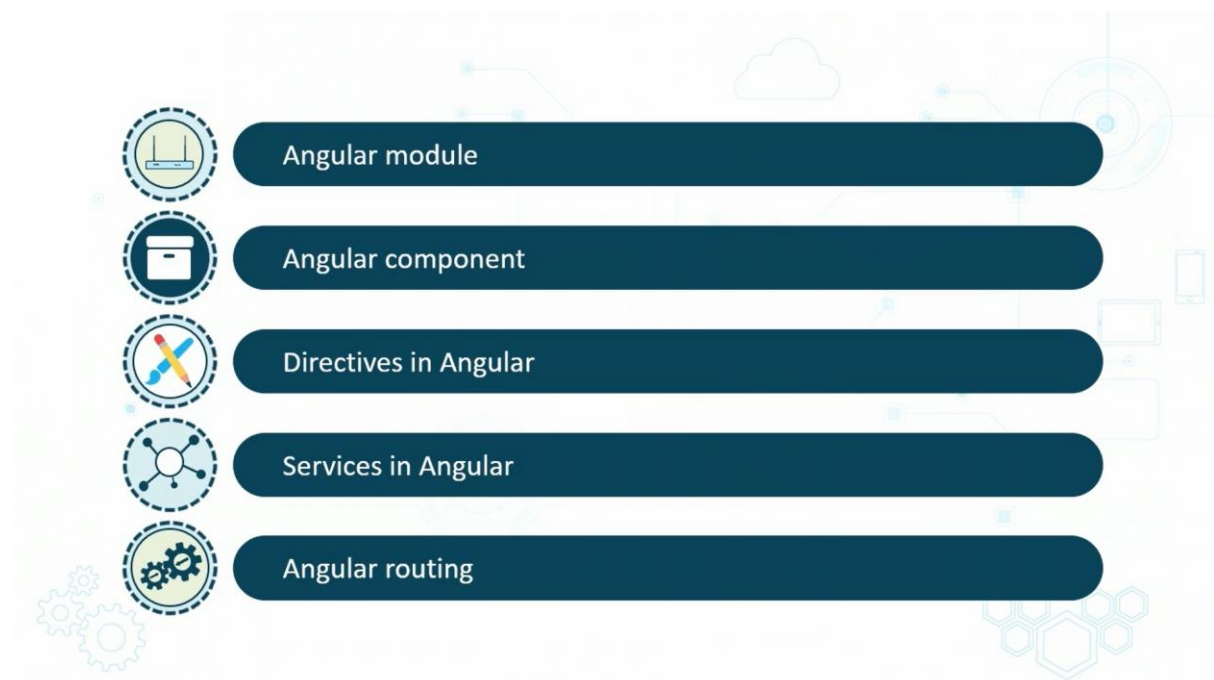
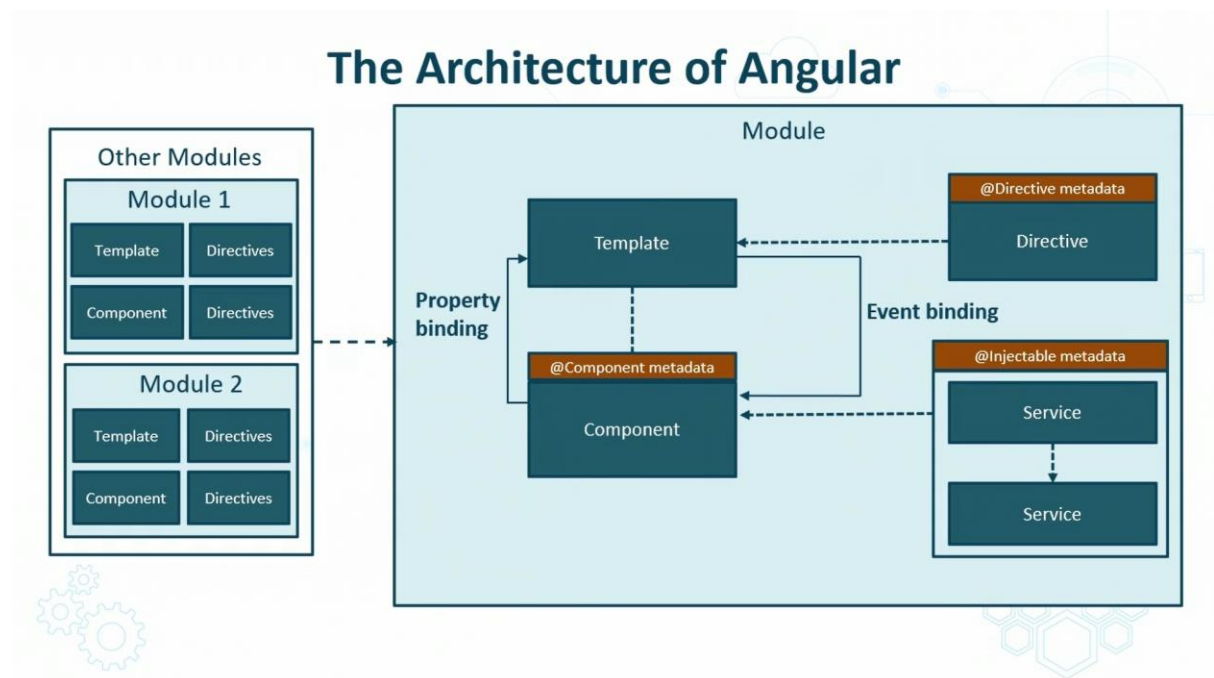


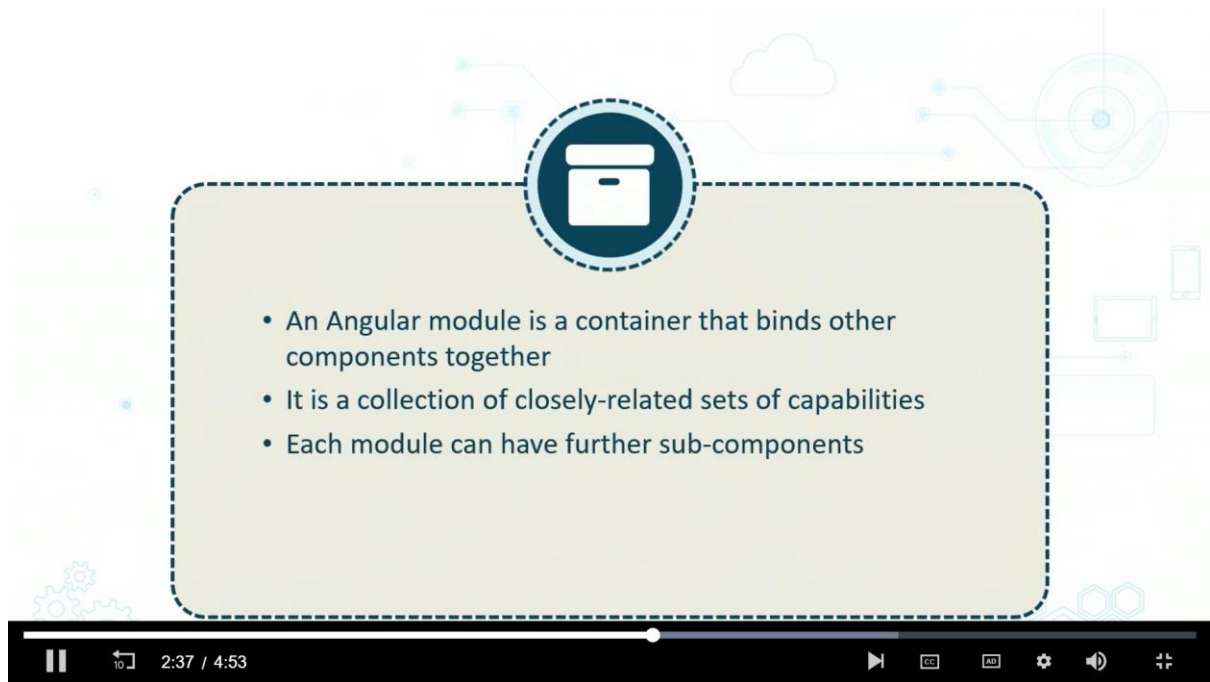
Angular Apps anatomy



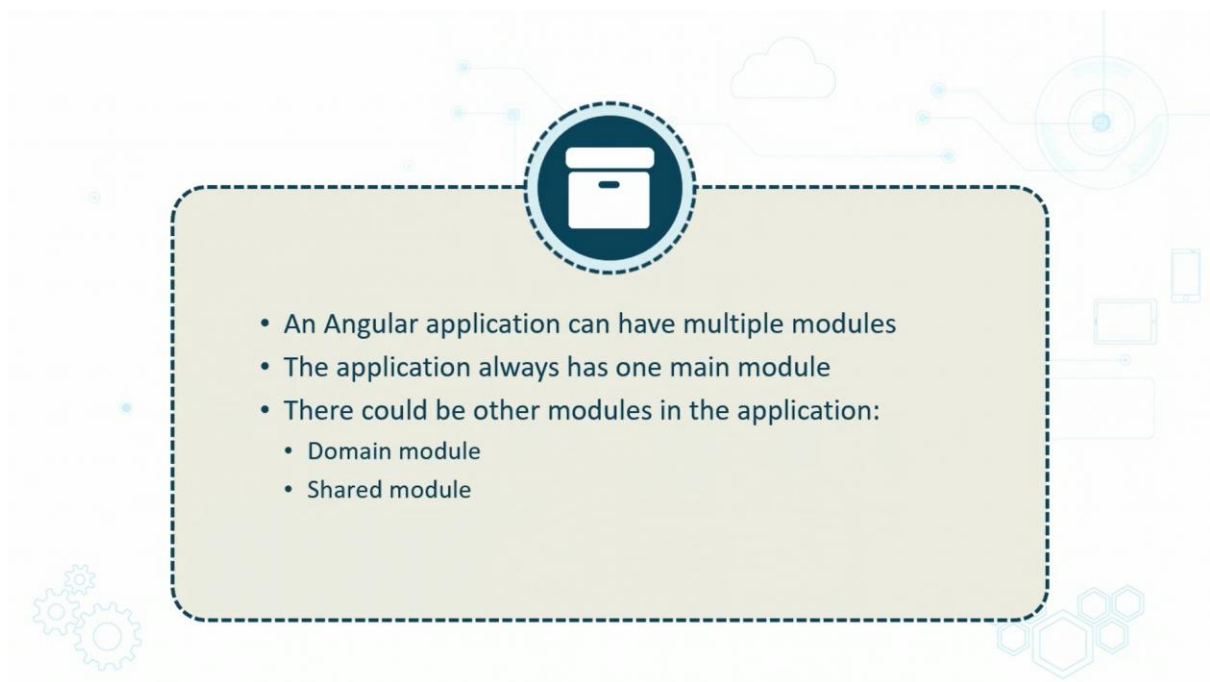
Architecture



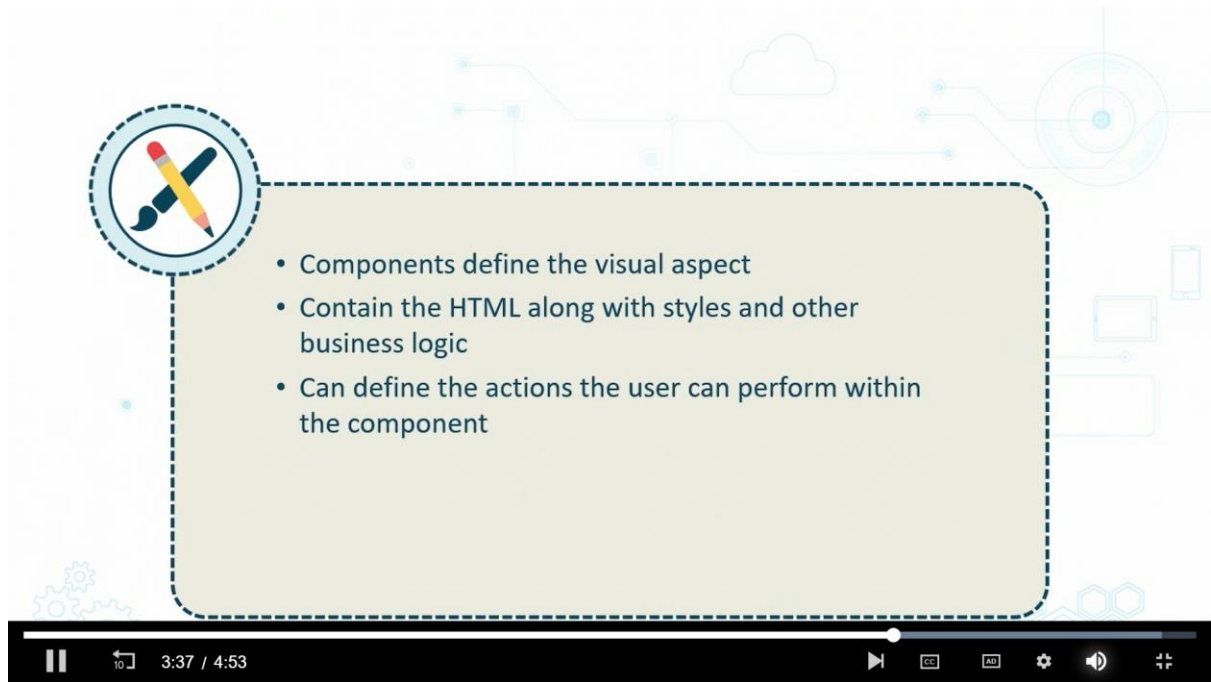
Angular module



Characteristics of angular module

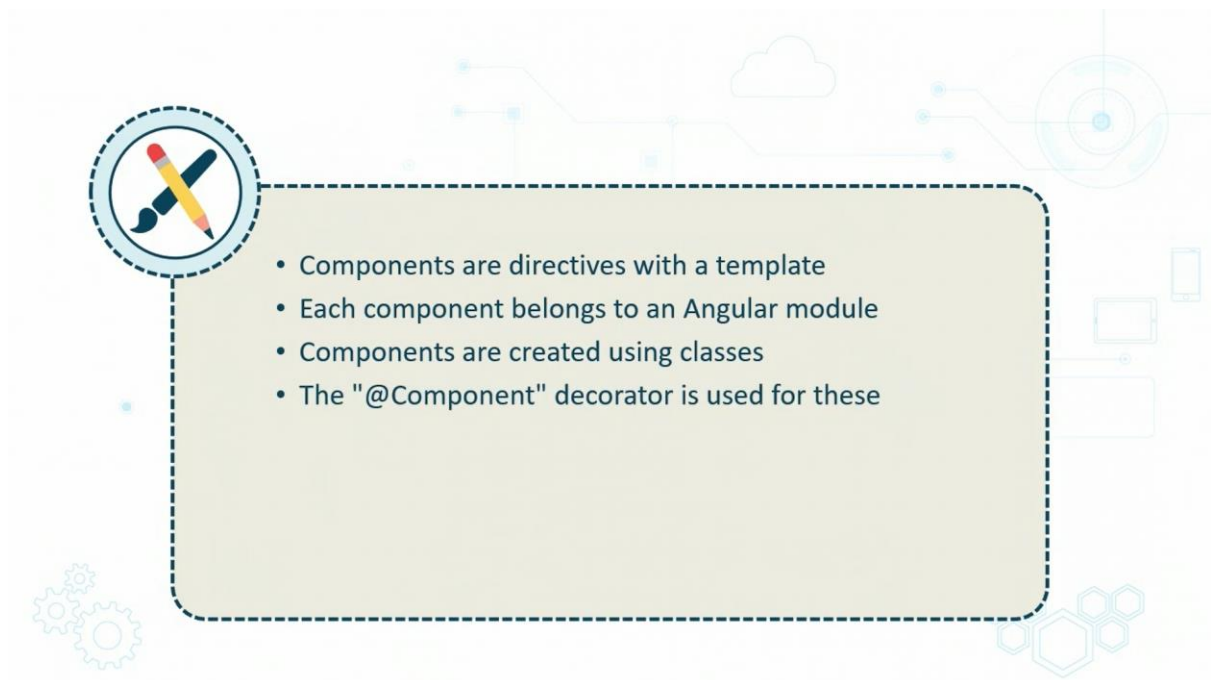


Components in



This slide features a light blue background with faint icons of a cloud, a target, and various mobile devices. A circular icon with a pencil and brush is positioned to the left of a large, rounded rectangular box with a dashed border. The box contains a bulleted list. Below the box is a video player interface with a black bar containing a play button, a progress bar at 3:37 / 4:53, and icons for full screen, subtitles, and volume.

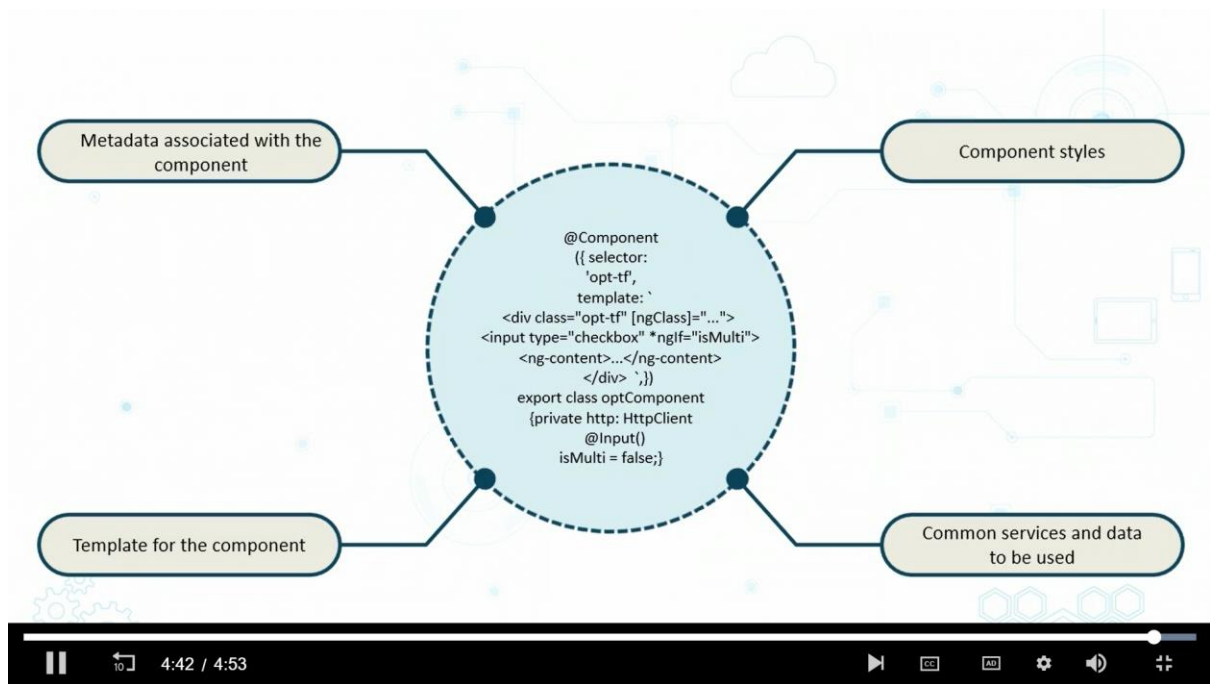
- Components define the visual aspect
- Contain the HTML along with styles and other business logic
- Can define the actions the user can perform within the component



This slide has the same background and layout as the first slide. It features a circular icon with a pencil and brush to the left of a large, rounded rectangular box with a dashed border. The box contains a bulleted list. The video player interface is not visible on this slide.

- Components are directives with a template
- Each component belongs to an Angular module
- Components are created using classes
- The "@Component" decorator is used for these

Parts of angular components



Services

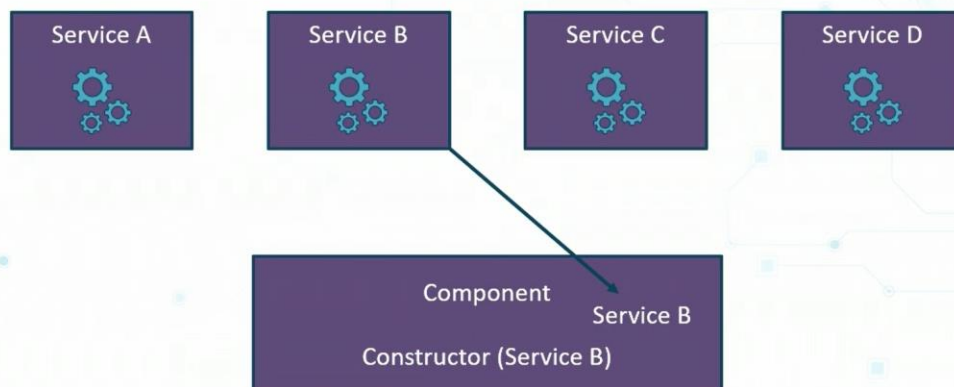


- Angular services are classes that contain common code and data that can be shared across the application
- They enhance reusability and modularity
- A single instance of the service class is created
- Only one object exists for each service that is created
- The service can be shared amongst other services and components



- "@Injectable" decorators are used to define the services
- Services use the injector mechanism
- These injectors are responsible for creating a single object for this service class
- Injectors are used to provide these services to different classes and other services that require this common code and data

The Workings of Angular



Pipes

A dashed-line box contains a pipe icon (a circle with a central dot and lines radiating outwards) on the left and a list of bullet points on the right. The background features faint icons of a cloud, a target, and a smartphone.

- Pipes are used to transform strings, currency, and dates
- They are used in template expressions
- They can be used throughout the application once declared

At the bottom, a video player interface shows a progress bar at 2:23 / 4:47, along with play, volume, and other controls.

Directives



- Directives are used to attach behavior to the DOM elements
- Directives are the classes containing "@Directive" decorators
- `<p [ngStyle]='{"color": "red"}"> Font is now Red</p>`

Types of Directives

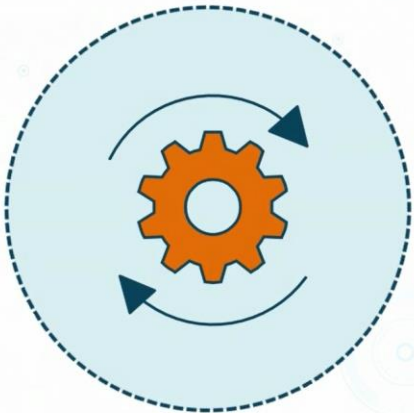


Structural Directive

Attribute Directive

Components

Structural directives



A diagram showing a light blue circle with a dashed border. Inside the circle is an orange gear with two curved arrows indicating a clockwise rotation. To the right of the circle is a light beige rounded rectangle with a dashed border containing two bullet points.

- A structural directive is responsible for manipulating, modifying, and removing elements inside a component template
- It updates the structure of the elements to which it is applied

3:30 / 4:47

Attribute

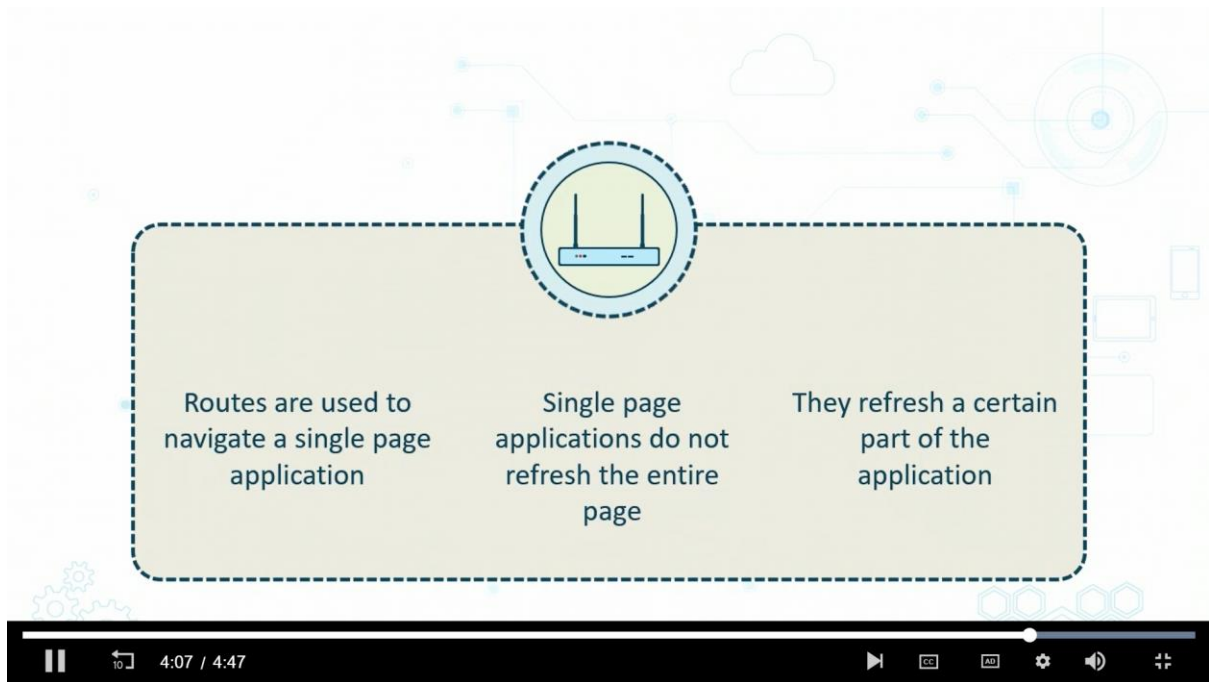


A diagram showing a light blue circle with a dashed border. Inside the circle is a blue gear with a red and blue wrench and a red hammer crossed inside it. To the right of the circle is a light beige rounded rectangle with a dashed border containing one bullet point.

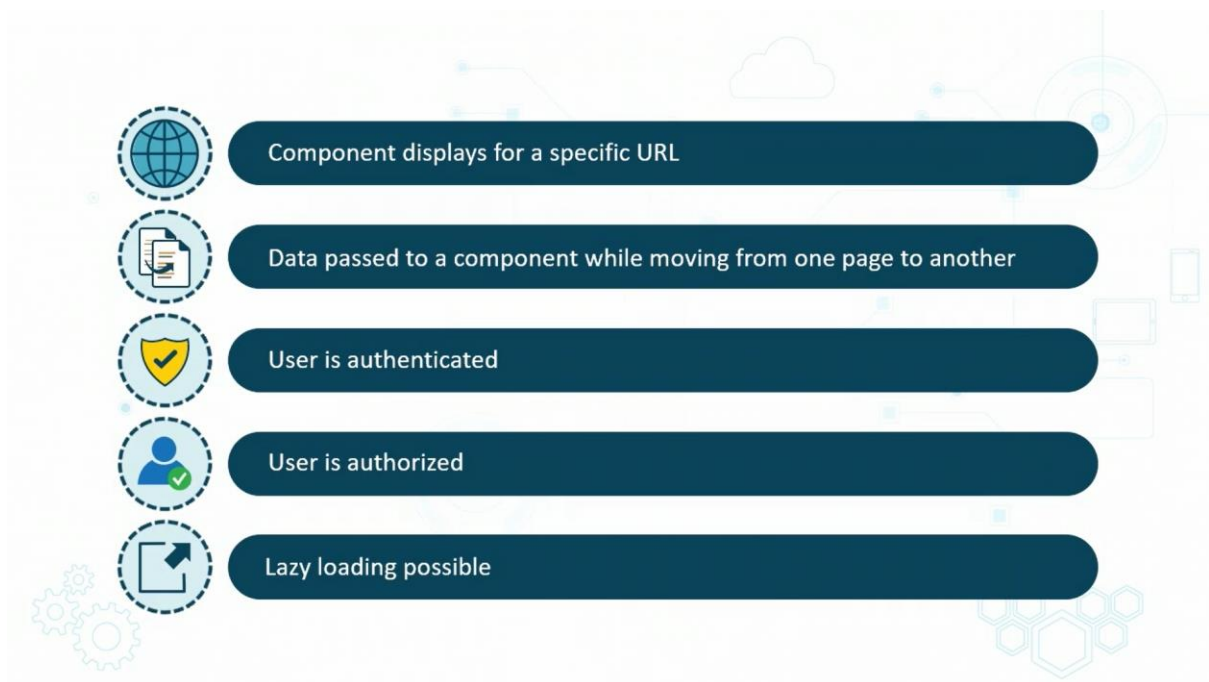
- Changes the behavior of an element, component, or another directive

3:41 / 4:47

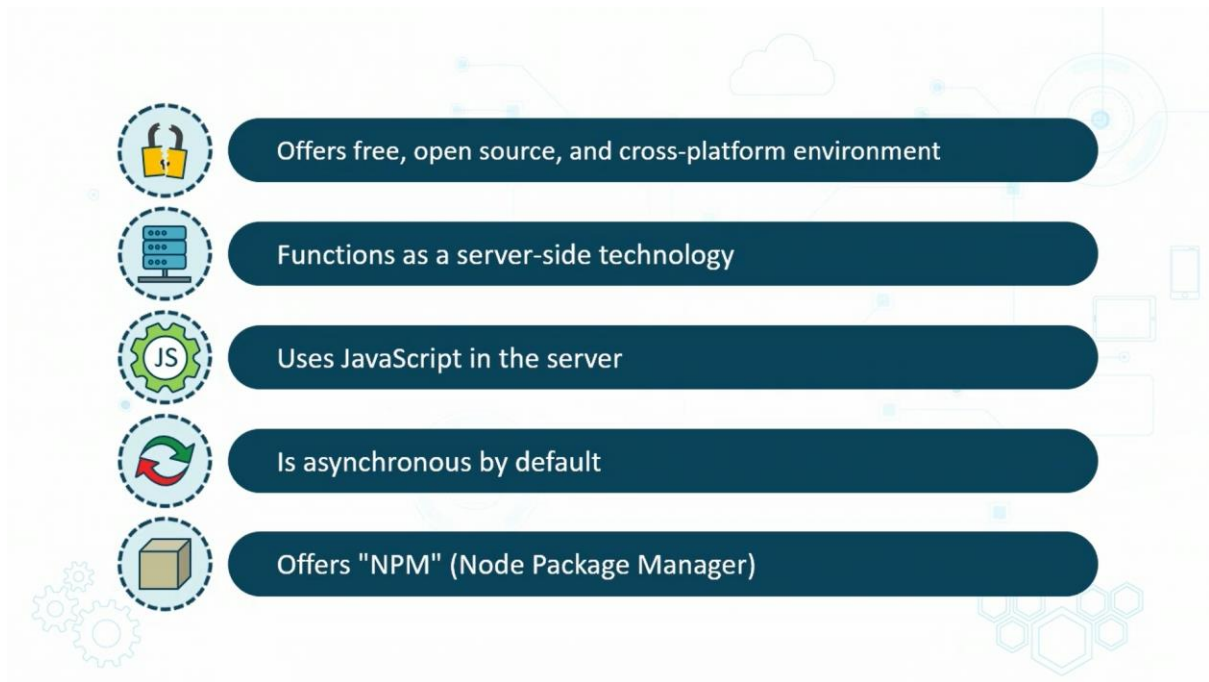
Routes



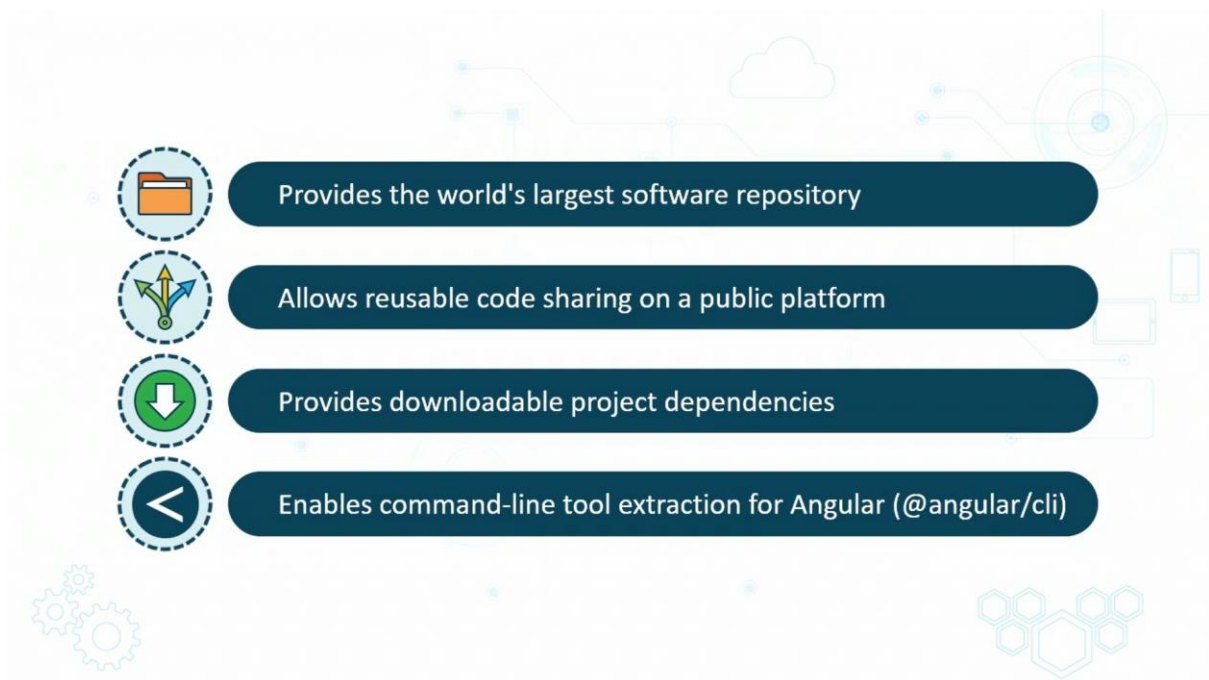
Routing



What is Node js



What is NPM



Install node on ubuntu machine

Update system

Sudo apt update

Install Node js

Sudo apt install nodejs

Install npm

Sudo apt install npm

Nodejs -v

Install vs code

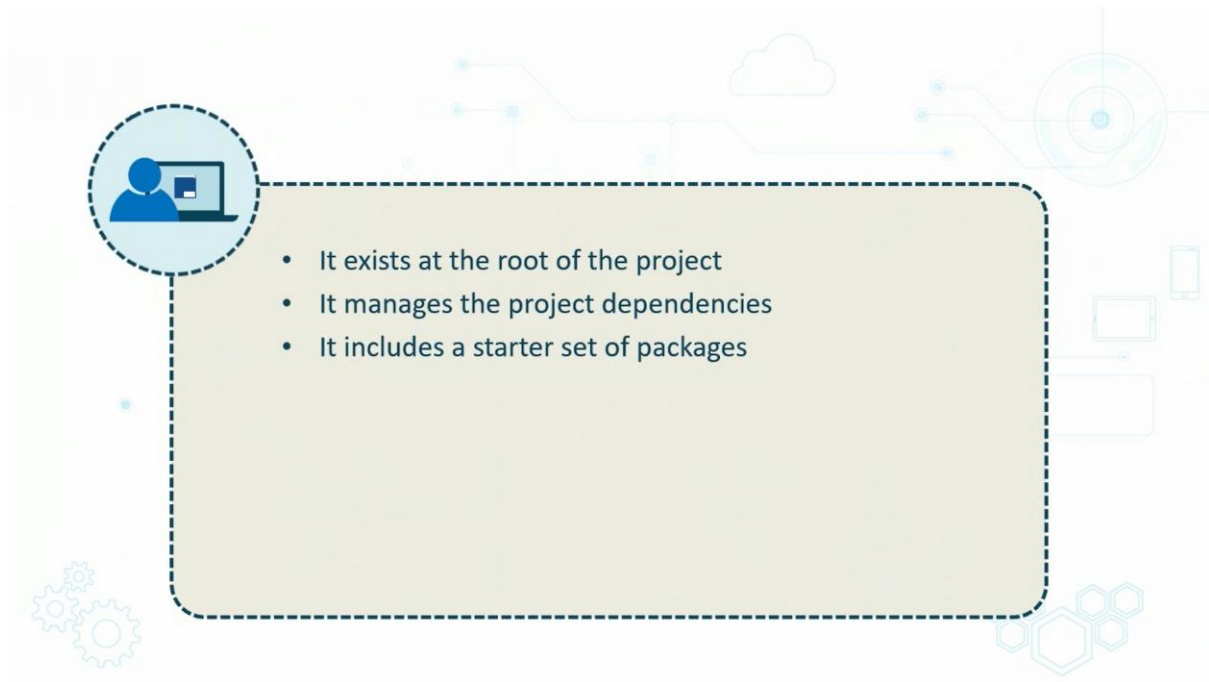
Sudo snap install --classic code

Sudo npm install -g @angular/cli

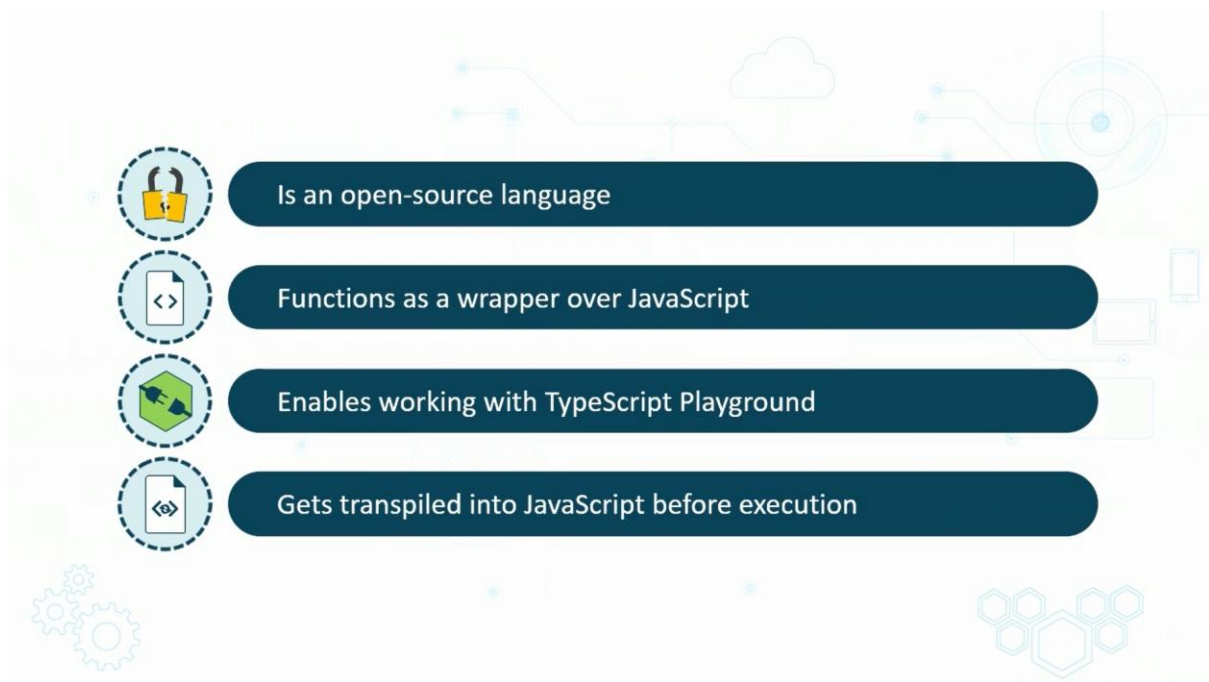
What is package.json file



Characteristics of package.json file



TypeScripts





Type safety in TypeScript



Interfaces



Classes



Decorators



2:20 / 2:25

