

GROWING THROUGH COMMUNITY

AN INTRO INTO THE EMBER.JS ECOSYSTEM

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EMBER.JS AS JUST ANOTHER JS FRAMEWORK

named alongside Angular or the React Stack

open-source community project

latest major release **v2.0** in August '15

focus on **convention over configuration** paradigm



SO WHAT'S SPECIAL ABOUT EMBER?

The growing and community-driven ecosystem

WHAT IS EMBER-CLI?



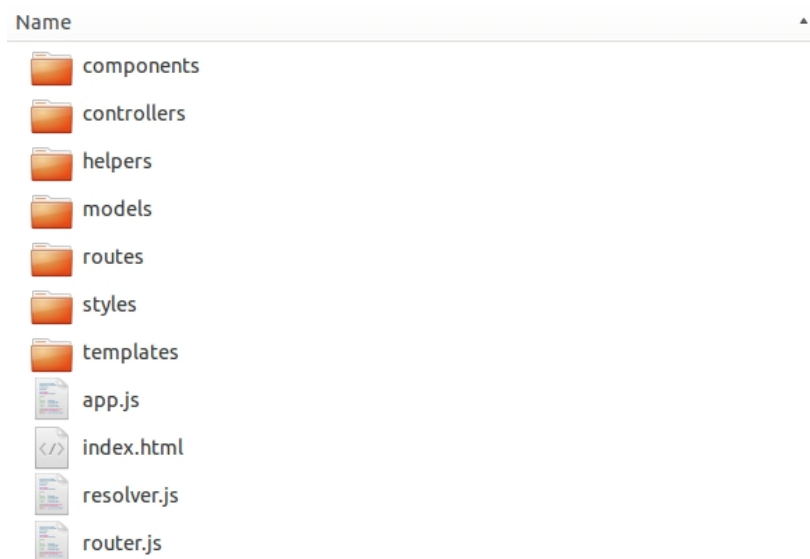
the Ember.js command line utility for developing your
Ember.js projects

```
npm install -g ember-cli  
npm install -g bower  
// Ready to create a new ember project  
ember new fancy-app
```

PROJECT STRUCTURE SETUP WITH 1 COMMAND

```
ember new fancy-app
```

first app setup with basic project structure is created



AUTOMATIC BLUEPRINT GENERATION IN EMBER CLI

Blueprints get you started with ES6 modules

```
ember g component shiny-component
installing component
  create app/components/shiny-component.js
  create app/templates/components/shiny-component.hbs
installing component-test
  create tests/integration/components/shiny-component-test.js
```

A component config file + a handlebars template + a test file =
your new component

AUTOMATIC BLUEPRINT GENERATION IN EMBER CLI

```
ember g component shiny-component  
installing component  
  create app/components/shiny-component.js  
  create app/templates/components/shiny-component.hbs  
  // ...
```

```
// app/components/shiny-component.js  
import Ember from 'ember';  
  
export default Ember.Component.extend({  
  
});
```

AUTOMATIC BLUEPRINT GENERATION IN EMBER CLI

```
ember g component shiny-component
// ...
installing component-test
create tests/integration/components/shiny-component-test.js
```

```
// tests/integration/components/shiny-component-test.js
import { moduleForComponent, test } from 'ember-qunit';
import hbs from 'htmlbars-inline-precompile';

moduleForComponent('shiny-component', 'Integration | Component | shiny c
  integration: true
});

test('it renders', function(assert) {
  // Set any properties with this.set('myProperty', 'value');
  // Handle any actions with this.on('myAction', function(val) { ... });

  this.render(hbs`{{shiny-component}}`);

  assert.equal(this.$().text().trim(), '');

  // Template block usage
```



```
// Template block usage:  
this.render(hbs`
```

AUTOMATIC BLUEPRINT GENERATION IN EMBER CLI

```
ember test
```

...and run those tests!

EMBER CLI AND ITS ASSET PIPELINE

- Raw assets available under one specific url: /assets
- Minification and concatenation of project and third-party CSS and JS
- Preprocessors are only one ember install command away

```
ember install ember-cli-sass
```

That's it! You're now ready to use your .scss files in your app's directory for styles

EMBER CLI AND ITS ASSET PIPELINE

Fingerprinting of assets in your production build

`*.js *.css *.png *.jpg *.gif`

`assets/yourapp-9c2cbd818d09a4a742406c6cb8219b3b.js`

AND EMBER CLI HAS MORE TO OFFER

Live reload server watching project changes

Easy dependency management

Full Testing Setup for Unit, Acceptance and Integration Tests

JS Hint

Deprecation Warnings

...and more

COMMUNITY GROWTH WITH **EMBER ADDONS**

There's an addon for that!

Ember Addons

This chart shows the number of available addons for ember-cli on npmjs.com. <http://emberaddons.com>



PROGRESSIVE ENHANCEMENT OF WEB APPS IN EMBER

There's an addon for that!

≠fastboot

Server-side rendering of your Ember app in Node.js

'Native App'-like interactivity **and** fast responsiveness on
initial page load

Keep it simple: write code once, use it directly with fastboot

MOST IMPORTANT: A SUPPORTIVE AND INCLUSIVE COMMUNITY



- #announcements
- #documentation
- #emberjs
- #help
- #ember-women

MOST IMPORTANT: A SUPPORTIVE AND INCLUSIVE COMMUNITY



MOST IMPORTANT: A SUPPORTIVE AND INCLUSIVE COMMUNITY



SUMMARY

The Ember ecosystem is huge and continuously growing to support developers in their everyday tasks including

- a straightforward tool for structuring, building, serving, managing your app - Ember CLI
- a growing set of Ember addons specific to your needs
- an expanding community with developers from various backgrounds

Time and efforts saved!

THAT'S IT!

Thanks for your attention!



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