

Welcome to meetup #6!

January 21st 2015



Sponsors

- [Hstry](#) organization
- [InSilicoDB](#) venue and beer

What has changed in Ember
world?

Ember 1.9 (and 1.9.1) released

Upgrade to Handlebars from 1.x to 2.0 (update
precompiled templates)

Hooks for activate and deactivate

```
1 // app/routes/index.js
2 export default Ember.Route.extend({
3   activate: function(){
4     collectAnalytics();
5   }
6 });
```

JS

Ember.js 1.9 introduces corresponding events for these hooks.

```
1 // app/routes/index.js
2 export default Ember.Route.extend({
3   collectAnalytics: function(){
4     collectAnalytics();
5   }.on('activate')
6 });
```

JS

pauseTest test helper

```
1 test('clicking login authenticates', function(){
2   visit('/');
3   return pauseTest();
4   // The test will never proceed to execute this click
5   click('a:contains(Login)');
6 });
```

JS

Deprecated context switching for `{{#each}}`

```
1  {{! app/templates/people.hbs }}
2
3  {{! this context is the controller }}
4  {{#each model}}
5    {{name}} {{! this context is each person }}
6  {{/each}}
```

HBS

The non-context switching version of this helper is now preferred:

```
1  {{! app/templates/people.hbs }}
2
3  {{! this context is the controller }}
4  {{#each person in model}}
5    {{person.name}} {{! this context is still the controller }}
6  {{/each}}
```

HBS

Deprecated context switching for `{{#with}}`

```
1  {{! app/templates/person.hbs }}
2
3  {{! this context is the controller }}
4  {{#with model}}
5    {{name}} {{! this context is the person }}
6  {{/with}}
```

HBS

The non-context switching version of this helper is now preferred:

```
1  {{! app/templates/person.hbs }}
2
3  {{! this context is the controller }}
4  {{#with model as person}}
5    {{person.name}} {{! this context is still the controller }}
6  {{/with}}
```

HBS

Various internal performance improvements

All changes:

- <http://emberjs.com/blog/2014/12/08/ember-1-9-0-released.html>
- <http://emberjs.com/blog/2014/12/23/ember-1-9-1-released.html>

HTMLBars is landing in Ember
1.10 (expected January 23rd)!

The Road to Ember 2.0

(<https://github.com/emberjs/rfcs/pull/15>)

Philosophy

- "Stability without stagnation": incremental changes, give people time with deprecations
- Simplification and intuify

Borrow data-flow idea from React.js: data flows in,
events go out

Easier attribute binding

But instead, in today's Ember, you have to learn about and use the `bind-attr` helper:

```
<a {{bind-attr href=url}}>Click here</a>
```

The new HTMLBars template engine makes `bind-attr` a thing of the past, allowing you to type what you mean. It also makes it possible to express many attribute-related concepts simply:

```
<a class="{{active}} app-link" href="{{url}}.html">Click here</a>
```


HTML-syntax for components

```
<my-video src={{movie.url}}></my-video>
```

```
<!-- equivalent to -->
```

```
{{my-video src=movie.url}}
```

Remove context switching from templates

```
{{#each people}}  
  <p>{{firstName}} {{lastName}}</p>  
  <p>{{address}}</p>  
{{/each}}
```

with:

```
{{#each people as |person|}}  
  <p>{{person.firstName}} {{person.lastName}}</p>  
  <p>{{person.address}}</p>  
{{/each}}
```

One-way binding will be default

```
<my-video src={{url}}></my-video>
```

```
<my-video paused={{mut isPaused}}></my-video>
```

Routeable components

When entering a route:

- Ember 1.x: creates controller, view, template
- Ember 2.0: creates component, template (old way will still work)

Easier actions

```
{{!-- we can't get too fancy with the value of key-press --}}  
{{input key-press="valueChanged"}}
```

In this example, when the `input` component calls `this.sendAction('key-press')`, it invokes the `valueChanged` action on its parent component.

With the new HTML syntax for components, we have more flexibility:

```
<input key-press={{action "valueChanged"}}>
```