

Intro to Ember Data

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Demo URLs

- Github

<https://github.com/mkhattab/riversidejs-ember-data>

- JS Bin

<http://jsbin.com/gelix/5/watch>

What is Ember Data?

- Is a persistence layer for Ember.js
- Think of it as a lightweight ORM
- Separate library
- Is currently unreleased (beta)

Do you need Ember Data?

- Nope, if you persist little to no data to your backend
- Nope, if you want to roll your own persistence layer
- Yes, if you need to persist data and you don't have NIH syndrome

Main classes

- Model
 - define your data representation; what you want to persist
- Store
 - model records live in-memory
- Adapter
 - interfaces with the store and your backend
- Serializer
 - serializes records from and to your backend

Defining Model

```
App.Movie = DS.Model.extend({  
  title: DS.attr('string');  
  director: DS.attr('string');  
  goofs: DS.hasMany('goof');  
});
```

```
// DS.attr: support several types: string,  
number, boolean, and date.
```

Creating a new record

```
var store = this.store;  
// 'this' could be a controller, route, serializer, adapter  
  
var movie = store.createRecord('movie', {  
  title: 'Citizen Kane',  
  director: 'Orson Welles'  
});
```

Retrieving a record

```
var store = this.store;
```

```
//find by id
```

```
var movie = store.find('movie', 1);
```

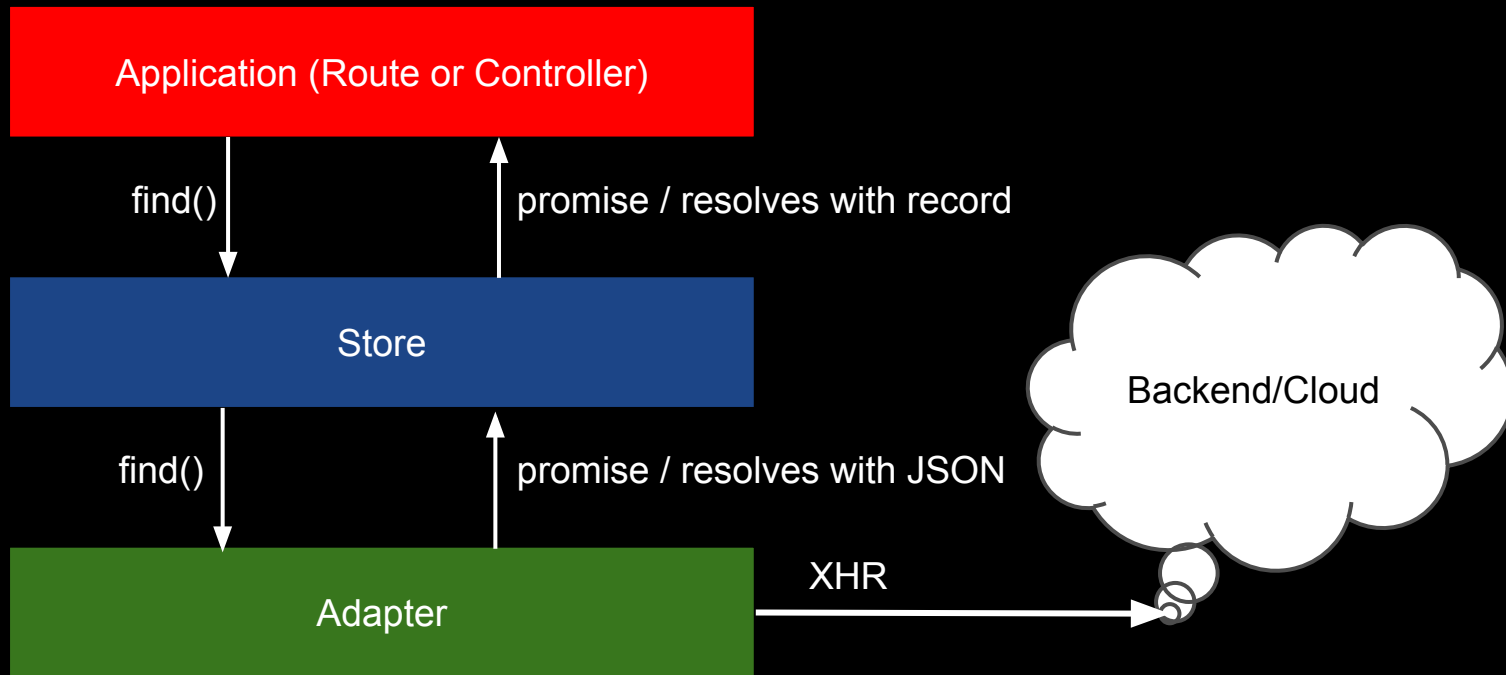
```
//retrieve all records
```

```
var movie = store.find('movie');
```


Saving a record

```
var store = this.store;  
var movie = store.createRecord(...);  
  
movie.save(); //will POST to /movies  
  
//save returns a promise, so:  
movie.save().then(function(movie) {...},  
                  function(error) {...});
```

Architecture



source: http://emberjs.com/guides/models/#toc_architecture-overview

Demo

Resources

- Ember Guides
 - <http://emberjs.com/guides/models/>
- Ember Data API reference
 - <http://emberjs.com/api/data/modules/ember-data.html>