

Building Apps with AngularJS and Breeze

Part 2

Saving State with Local Storage

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pluralsight 
hardcore developer training

Saving State

What Happens When the Browser Closes?

What Happens if the App or Browser Crashes?



Saving State

How Do We Recover Quickly?

**HTML5
LOCAL STORAGE**

What We'll Cover

What Happens
When the
Browser Closes?

Exporting
Entities and
Their State

Serializing to
Local Storage

Importing
Entities and
their State

What Can We Use to Save State?

HTML5 Local
Storage

Integrate Well with
Breeze

API's to Import,
Export, Clear

Wrap it in an
Angular Service

Exporting Data

Serialize the entities
and metadata



```
var exportData = entityManager.exportEntities();
```

```
$window.localStorage.setItem(key, exportData);
```

Saves to local
storage

Importing Data

Get the imported data
from local storage



```
graph TD; A[Get the imported data from local storage] --> B[var importedData = $window.localStorage.getItem(storageKey);  
entityManager.importEntities(importedData);]; B --> C[Imports the data into Breeze's cache]
```

```
var importedData = $window.localStorage.getItem(storageKey);
```

```
entityManager.importEntities(importedData);
```

Imports the data into
Breeze's cache

Saving State with Local Storage

HTML5 Local
Storage

Breeze Import and
Export Features

Reduced
Round-Trips

Enabled Fast
Recovery from
Browser Closing