

Dynamic package loading and routing with Ext JS

Nils Dehl

Karlsruhe, 10.04.2019



Nils Dehl

- JavaScript Consultant and Trainer
- over 10 years Ext JS experience
- Sencha MVP
- @nilsdehl
- nils.dehl@dkd.de
- <https://github.com/mrsunshine>

Routing

Workshop

localhost:1841

Click to go forward, hold to see history

Workshop

Home

Users

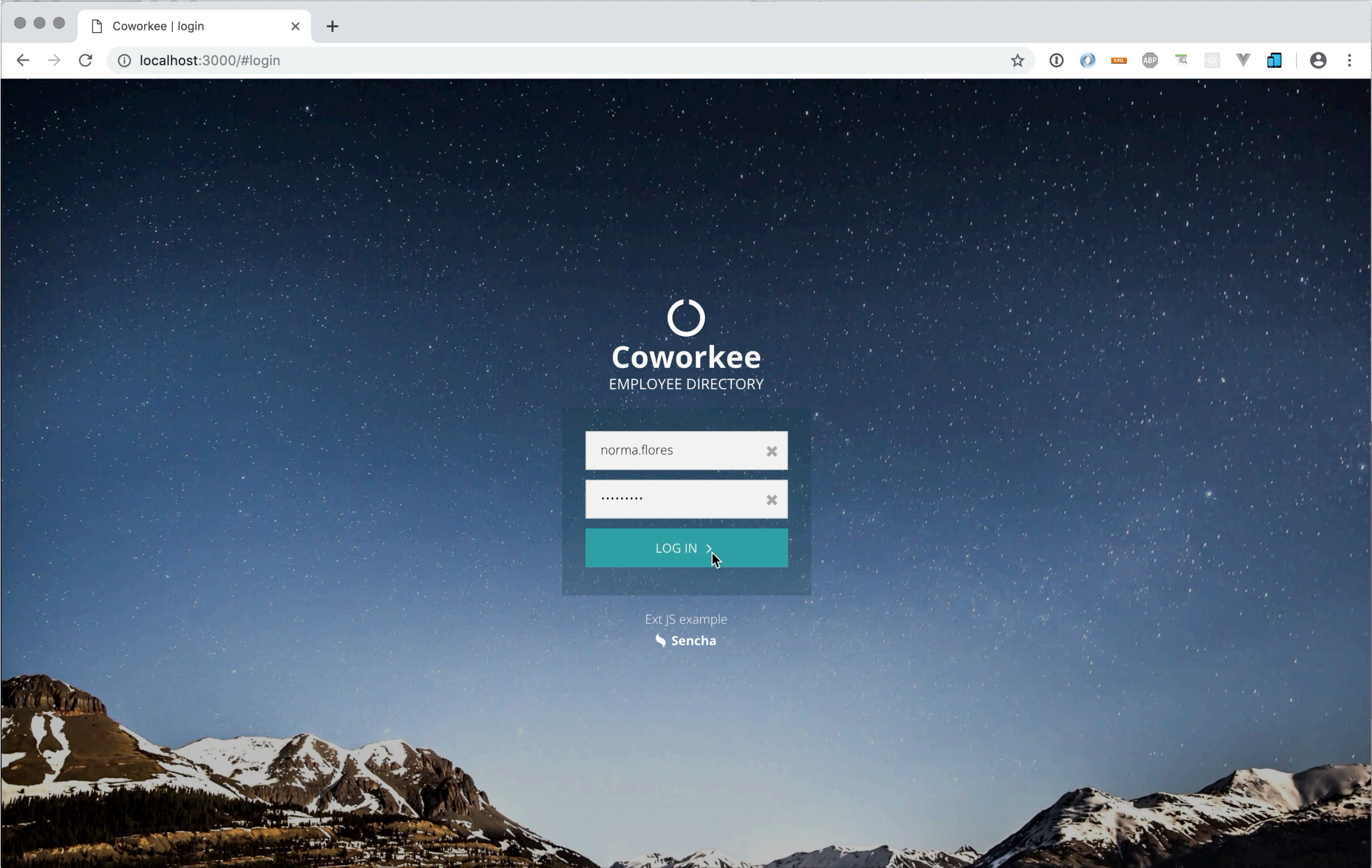
Groups

Settings

Personnel

Name	Email	Phone
Jean Luc	jeanluc.picard@enterprise.com	555-111-1111
Worf	worf.moghsson@enterprise.com	555-222-2222
Deanna	deanna.troi@enterprise.com	555-333-3333
Data	mr.data@enterprise.com	555-444-4444





[http://domain.tld/#*person*/1234](http://domain.tld/#person/1234)

Coworker | people

Coworker | person/79190f06-08f6-424f-a83e-6aa2406bf7b7

localhost:3000/#people

Coworker | person/79190f06-08f6-424f-a83e-6aa2406bf7b7

Coworker | home|range/upcoming

Coworker | home

Coworker | people

Coworker | home

Coworker | person/fc3fd777-5b0e-48bf-86c8-0cffa407ffc6

Coworker | person/d0471223-f73a-489b-a542-d98c321b9b5e

Coworker | person/79190f06-08f6-424f-a83e-6aa2406bf7b7

Coworker | home|range/upcoming

Coworker | home

Coworker | home|range/past

Coworker | home|range/upcoming


Show Full History

↶


↷

+ Create

Organization	Office
Engineering Managed by Brian Armstrong	Forest Dale Tucson, Uni
Financial Managed by Beverly Spencer	Manitowish Yokosuka, Ja
Management Managed by Sara Walker	Little Fleur Sidomukti, I
Strategy Managed by Nicholas Fisher	Forest Dale Tucson, Uni
Financial Managed by Beverly Spencer	Fairfield Energodar,



Peter Berry
General Manager



Kathy Bryant
Research Nurse

Coworkee | people

localhost:3000/#people

Click to go back, hold to see history






























Employees

Search

All Offices

All Organizations

+ Create

Name / Title	Organization	Office	Email/Phone
A (1)			
<div></div> <div>Brian Armstrong Design Engineer</div>	Engineering Managed by Brian Armstrong	Forest Dale Tucson, United States	<div> brian.armstrong@extjsdemo.com</div> <div> 1-476-555-0156</div>
B (4)			
<div></div> <div>Maria Bailey Junior Executive</div>	Financial Managed by Beverly Spencer	Manitowish Yokosuka, Japan	<div> maria.bailey@extjsdemo.com</div> <div> 1-577-555-0121</div>
<div></div> <div>Benjamin Banks Account Executive</div>	Management Managed by Sara Walker	Little Fleur Sidomukti, Indonesia	<div> benjamin.banks@extjsdemo.com</div> <div> 1-261-555-0107</div>
<div></div> <div>Peter Berry General Manager</div>	Strategy Managed by Nicholas Fisher	Forest Dale Tucson, United States	<div> peter.berry@extjsdemo.com</div> <div> 1-290-555-0163</div>
<div></div> <div>Kathy Bryant Research Nurse</div>	Financial Managed by Beverly Spencer	Fairfield Energodar, Ukraine	<div> kathy.bryant@extjsdemo.com</div> <div> 1-296-555-0146</div>
C (3)			
<div></div> <div>Pat Castillo Graphic Designer</div>	Management Managed by Sara Walker	Welch Marystown, Canada	<div> pat.castillo@extjsdemo.com</div> <div> 1-217-555-0149</div>
<div></div> <div>Rose Cooper Editor</div>	Sales Managed by Frances Cox	Lukken Novogireyevo, Russia	<div> rose.cooper@extjsdemo.com</div> <div> 1-203-555-0176</div>
<div></div> <div>Frances Cox VP Marketing</div>	Services Managed by Ronald Wallace	Dottie El Mida, Tunisia	<div> frances.cox@extjsdemo.com</div> <div> 1-809-555-0115</div>
D (1)			
<div></div> <div>Amy Davis Research Nurse</div>	Services Managed by Ronald Wallace	Manitowish Yokosuka, Japan	<div> amy.davis@extjsdemo.com</div> <div> 1-081-555-0130</div>
E (1)			
<div></div> <div>Philip Evans Research Nurse</div>	Sales Managed by Ronald Wallace	Welch Marystown, Canada	<div> philip.evans@extjsdemo.com</div> <div></div>



Ext.route.Router | Ext JS 6.7.0

https://docs.sencha.com/extjs/6.7.0/classic/Ext.route.Router.html

Ext JS 6.7.0 - Classic Toolkit

M C search ?

History :

Quick Start Guides API

route

Action

Handler

Mixin

Route

Router

rtl

scroll

selection

slider

sparkline

state

tab

tip

toolbar

tree

util

ux

view

Show private classes

Ext.route.Router

SINGLETON

view source

PublicProtectedPrivateInheritedRead Only

configs3properties14methods53

Filter members...

+</>

Summary

The Router is an ordered set of [Ext.route.Route](#) definitions that decode a url into a controller function to execute. Each `route` defines a type of url to match, along with the controller function to call if it is matched. The Router uses the [Ext.util.History](#) singleton to find out when the browser's url has changed.

Routes are almost always defined inside a [Controller](#), as opposed to on the Router itself. End-developers should not usually need to interact directly with the Router as the Controllers manage everything automatically. See the [Controller documentation](#) for more information on specifying routes.

Hierarchy

[Ext.Base](#)
└─ [Ext.route.Router](#)

Requires

[Ext.route.Action](#)
[Ext.route.Route](#)
[Ext.util.History](#)

CONFIGS

OPTIONAL CONFIGS

hashBang : Boolean

Ext.route.Router
view source

Sets [Ext.util.History#hashbang](#) to enable/disable hashbang support.

multipleToken : String

Ext.route.Router
view source

The token to split the routes to support multiple routes.

queueRoutes : Boolean

Ext.route.Router
view source

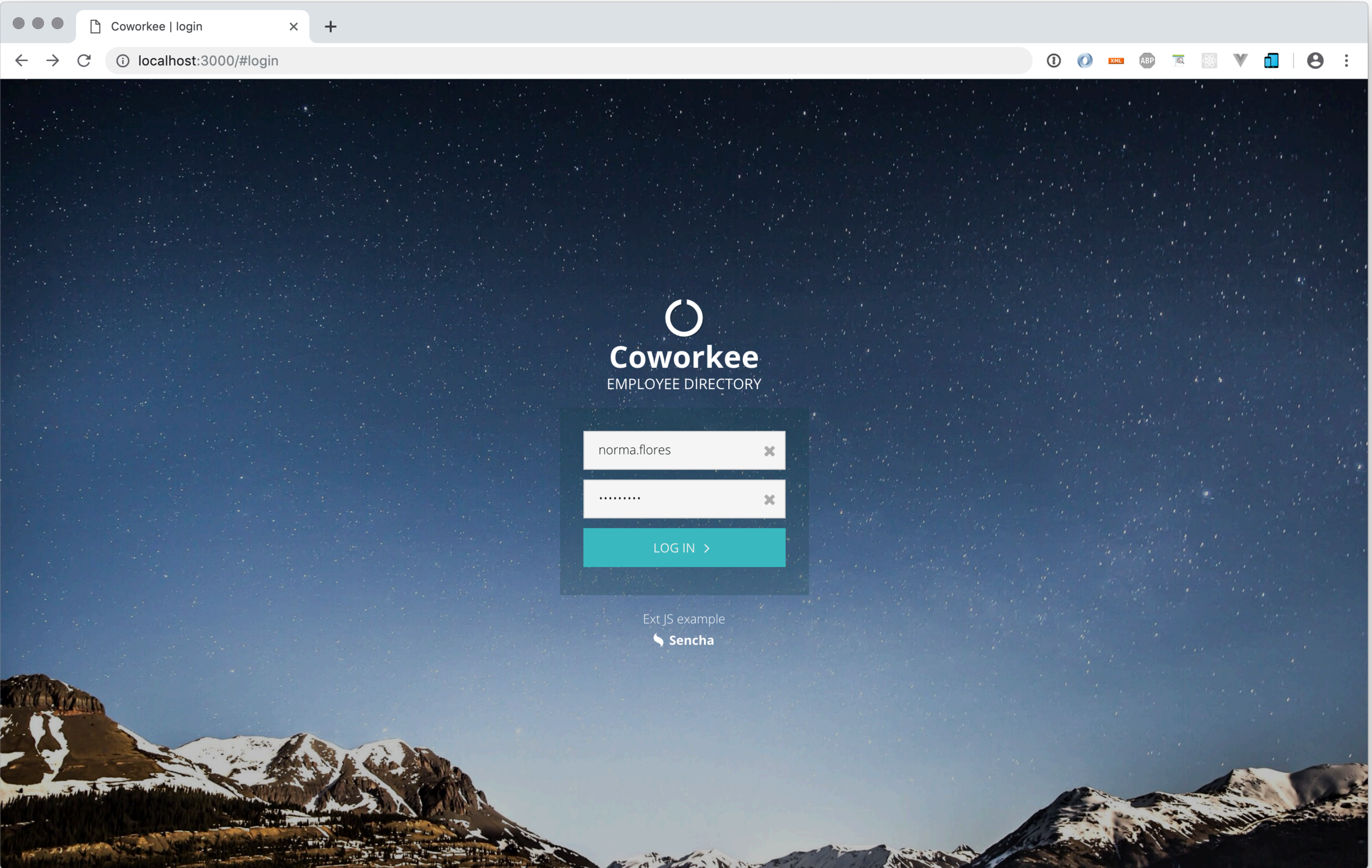
`true` to queue routes to be executed one after the other, false to execute routes immediately.

PROPERTIES

INSTANCE PROPERTIES



<http://localhost:3000/#login>

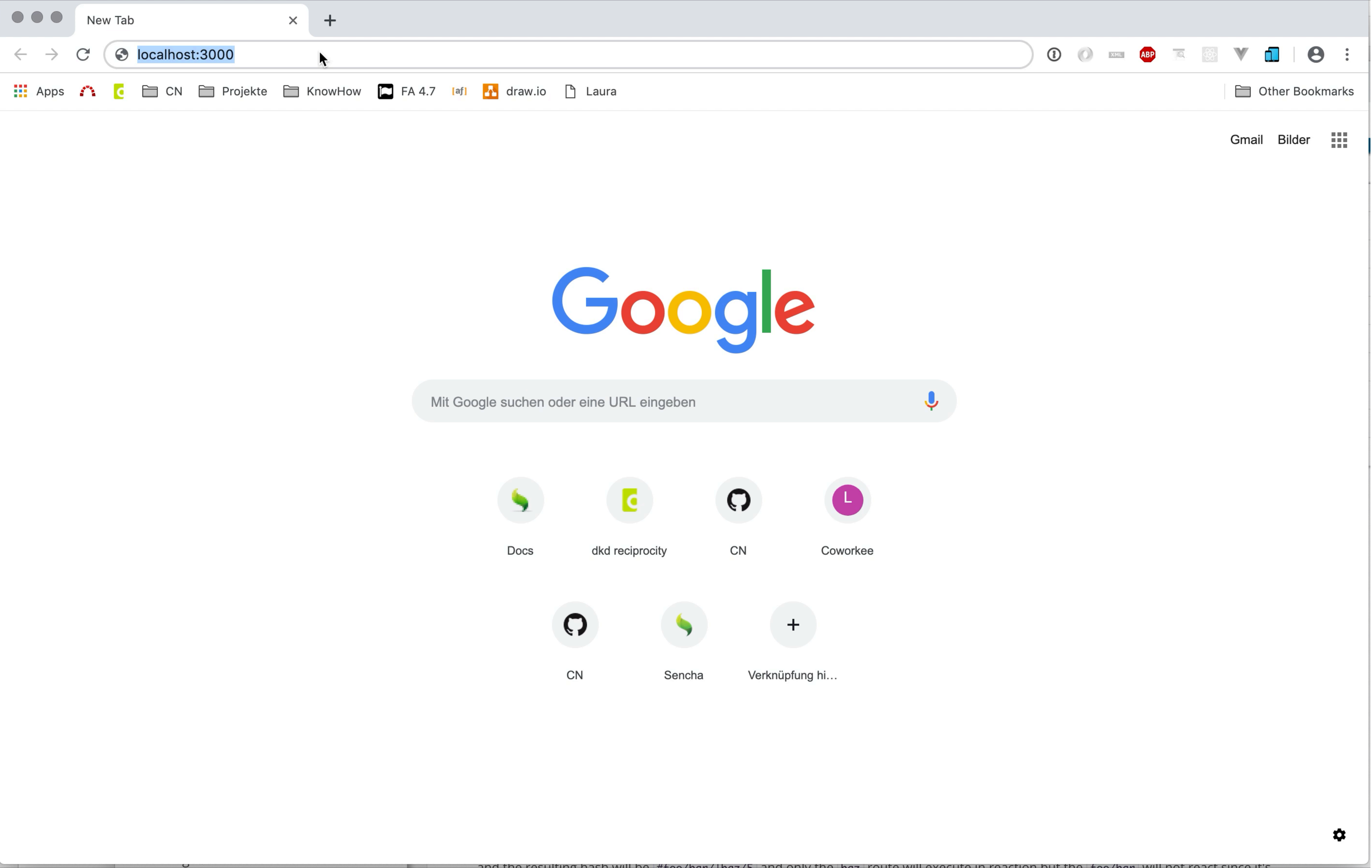



```
1  Ext.define('App.view.viewport.ViewportController', {
2      extend: 'Ext.app.ViewController',
3      alias: 'controller.viewport',
4
5      routes: {
6          '*': 'handleWildCardRoute',
7
8          'login': {
9              before: 'onBeforeHandleLoginRoute',
10             action: 'handleLoginRoute'
11         }
12     },
```

```
me.redirectTo('login', {replace: true});
```



```
1  Ext.define( 'App.Application', {  
2      extend: 'Ext.app.Application',  
3  
4      name: 'App',  
5  
6      defaultToken: 'home',  
7  }
```



<http://lh:3000/#person/2342>

Coworkee | people

localhost:3000/#people

Employees

Search











All Offices

All Organizations

↺

↻

+ Create

Name / Title	Organization	Office	Email/Phone
A (1)			
 Brian Armstrong Design Engineer	Management Managed by Theresa Reyes	Dryden Limoges, France	✉ brian.armstrong@extjsdemo.com ☎ 1-476-555-0156
B (4)			
 Maria Bailey Junior Executive	Operational Managed by Ronald Richardson	Lukken Novogireyevo, Russia	✉ maria.bailey@extjsdemo.com ☎ 1-577-555-0121
 Benjamin Banks Account Executive	Services Managed by Donald Rodriguez	Lukken Novogireyevo, Russia	✉ benjamin.banks@extjsdemo.com ☎ 1-261-555-0107
 Peter Berry General Manager	Human Resources Managed by Harry Patterson	Forest Dale Tucson, United States	✉ peter.berry@extjsdemo.com ☎ 1-290-555-0163
 Kathy Bryant Research Nurse	Customer Service Managed by Shawn Greene	Forest Dale Tucson, United States	✉ kathy.bryant@extjsdemo.com ☎ 1-296-555-0146
C (3)			
 Pat Castillo Graphic Designer	Marketing Managed by Frances Cox	Forest Dale Tucson, United States	✉ pat.castillo@extjsdemo.com ☎ 1-217-555-0149
 Rose Cooper Editor	Customer Service Managed by Shawn Greene	Prairieview Oslo, Norway	✉ rose.cooper@extjsdemo.com ☎ 1-203-555-0176
 Frances Cox VP Marketing	Operational Managed by Ronald Richardson	Little Fleur Sidomukti, Indonesia	✉ frances.cox@extjsdemo.com ☎ 1-809-555-0115
D (1)			
 Amy Davis Research Nurse	Sales Managed by Betty Murphy	Lukken Novogireyevo, Russia	✉ amy.davis@extjsdemo.com ☎ 1-081-555-0130
E (1)			
 Philip Evans Research Nurse	Operational Managed by Theresa Reyes	Forest Dale Tucson, United States	✉ philip.evans@extjsdemo.com ☎ 1-296-555-0146

localhost:3000/#person/e7b2e932-ca98-4825-9fd6-fa6f7161e909



```
1 Ext.define('App.view.main.MainController', {
2     extend: 'Ext.app.ViewController',
3     alias: 'controller.main',
4
5     routes: {
6         ':type(/:args)?': {
7             action: 'handleNavigationRoute',
8             conditions: {
9                 ':type': '(history|home|offices|organizations|people)',
10                ':args': '(.*)'
11            }
12        },
13        ':type/:id(/:args)?': {
14            before: 'loadPackage',
15            action: 'handleDataRoute',
16            conditions: {
17                ':type': '(office|organization|person)',
18                ':id': '([a-f0-9-]{36}|create|edit)',
19                ':args': '(.*)'
20            }
21        }
22    },
```

```
1 Ext.define('App.view.viewport.ViewportController', {
2     extend: 'Ext.app.ViewController',
3     alias: 'controller.viewport',
4
5     routes: {
6         '*': 'handleWildCardRoute',
7
8         'login': {
9             before: 'onBeforeHandleLoginRoute',
10            action: 'handleLoginRoute'
11        }
12    },
```



```
75  |> /**
76  |> * @param {Ext.route.Action} action
77  |> */
78  |> onBeforeHandleLoginRoute: function (action) {
79  |>     |> let session = this.session;
80
81  |>     |> if (session && session.isValid())
82  |>     |> {
83  |>     |>     |> this.redirectTo('', {replace: true});
84  |>     |>     |> action.stop();
85  |>     |>     |> }
86  |>     |> else
87  |>     |> {
88  |>     |>     |> action.resume();
89  |>     |>     |> }
90  |>     |> },
91
92  |> handleLoginRoute: function () {
93  |>     |> this.showAuth();
94  |>     |> },
```


Coworkee | history

×

+

←

→

↺

localhost:3000/#history

☆

ⓘ

🌐

XML

ABP

🔍

⚙️

▼

📄

👤

⋮

☰

🏠

👥

📊

🌐

↺

Activity

🔍 Search

All Employees ▼

All Organizations ▼

All Offices ▼

All Actions ▼

↺

↻

Name / Title	Organization	Office	Date
Today (3)			
<div><div>👤</div><div><div>Maria Bailey</div><div>Junior Executive</div></div></div>	Operational	<div>Lukken</div> <div>Novogireyevo, Russia</div>	2019-04-09 08:28
<div><div>👤</div><div><div>Maria Bailey</div><div>Junior Executive</div></div></div>	Operational	<div>Lukken</div> <div>Novogireyevo, Russia</div>	2019-04-09 08:24
<div><div>👤</div><div><div>Laura Russell</div><div>Product Engineer</div></div></div>	Financial	<div>Little Fleur</div> <div>Sidomukti, Indonesia</div>	2019-04-09 08:23
Fri, October 7th, 2016 (1)			
<div><div>📞</div><div><div>Donald Rodriguez</div><div>Media Manager I</div></div></div>	Services	<div>Prairieview</div> <div>Oslo, Norway</div>	2016-10-07 05:08
Wed, October 5th, 2016 (1)			
<div><div>✉️</div><div><div>Eric White</div><div>VP Sales</div></div></div>	Strategy	<div>Little Fleur</div> <div>Sidomukti, Indonesia</div>	2016-10-05 18:08
Tue, October 4th, 2016 (1)			
<div><div>👤</div><div><div>Sara Walker</div><div>Quality Control Specialist</div></div></div>	Engineering	<div>Fairfield</div> <div>Energodar, Ukraine</div>	2016-10-04 05:08
Fri, September 30th, 2016 (1)			
<div><div>💰</div><div><div>Alice Simmons</div><div>Senior Financial Analyst</div></div></div>	Engineering	<div>Prairieview</div> <div>Oslo, Norway</div>	2016-09-30 17:08
Mon, September 26th, 2016 (1)			
<div><div>👤</div><div><div>Eric White</div><div>VP Sales</div></div></div>	Strategy	<div>Little Fleur</div> <div>Sidomukti, Indonesia</div>	2016-09-26 21:08
Sat, September 24th, 2016 (1)			

21

```
14 listen: {
15   controller: {
16     '*': {
17       login: 'onLogin',
18       logout: 'onLogout',
19       unmatchedroute: 'handleUnmatchedRoute'
20     }
21   }
22 },
23
24 handleUnmatchedRoute: function (route) {
25   var me = this;
26
27   if (!me.session || !me.session.isValid())
28   {
29     // There is no authenticated user, let's redirect to the login page but keep track
30     // of the original route to restore the requested route after user authentication.
31     me.originalRoute = route;
32     me.redirectTo('login', {replace: true});
33     return;
34   }
35
36   // There is an authenticated user, so let's simply redirect to the default token.
37   var target = App.getApplication().getDefaultToken();
38   Ext.log.warn('Route unknown: ', route);
39   if (route !== target)
40   {
41     me.redirectTo(target, {replace: true});
42   }
43 },
```


23


```
1  Ext.define('App.view.widgets.BrowseController', {
2      extend: 'Ext.app.ViewController',
3      alias: 'controller.browse',
4
5      control: {
6          '#': {
7              routechange: 'onRouteChange',
8              storechange: 'onStoreChange'
9          }
10     },
11
12     onRouteChange: function(view, route) {
13         var me = this,
14             vm = me.getViewModel(),
15             regex = /([^\/]*)\/([^\/]*)/g,
16             fields = me.getView().getFields() || {},
17             filters = {},
18             field, value, match;
19
20         Ext.Object.each(fields, fn: function(key, value) {
21             filters[key] = value.defaultValue || null
22         });
23
24         while (match = regex.exec(route)) {
25             field = match[1];
26             value = match[2];
27             if (Ext.isDefined(filters[field])) {
28                 filters[field] = field !== 'search'?
29                     Ext.create(App.model.Filter, { value: value }) :
30                     value;
31             }
32         }
33
34         vm.set('filters', filters);
35         me.updateFilters();
36     },
```


<http://lh:3000/#home|range/past>



Tuesday, April 09
9:30am

Past

 **Kathy Bryant**
Research Nurse
40 years old



```

1  Ext.define('App.view.main.MainController', {
2      extend: 'Ext.app.ViewController',
3      alias: 'controller.main',
4
5      routes: {
6          ':type(/:args)?': {
7              action: 'handleNavigationRoute',
8              conditions: {
9                  ':type': '(history|home|offices|organizations|people)',
10                 ':args': '(.*)'
11             }
12         },

```

Coworkee/client/app/view/main/MainController.js

```

1  Ext.define('App.view.home.HomeController', {
2      extend: 'Ext.app.ViewController',
3      alias: 'controller.home',
4
5      routes: {
6          'range/:range': 'handleRangeRoute'
7      },
8
9      control: {
10         '#': {
11             reset: 'refresh'
12         }
13     },

```

Coworkee/client/packages/local/Home/src/HomeController.js

```
1 Ext.define('App.view.viewport.ViewportController', {
2   → extend: 'Ext.app.ViewController',
3   → alias: 'controller.viewport',
4
5   → routes: {
6     → '*': 'handleWildCardRoute'
7   → },
8
9   → handleWildCardRoute: function ()
10  → {
11    → document.title = 'Coworker | ' + Ext.History.getToken();
12  → },
```


Packages

- ▼ ext
 - ▶ .sencha
 - ▶ build
 - ▶ classic
 - ▶ cmd
 - ▶ licenses
 - ▼ modern
 - ▶ locale
 - ▶ modern
 - ▶ reactor
 - ▶ theme-base
 - ▶ theme-ios
 - ▶ theme-material
 - ▶ theme-neptune
 - ▶ theme-triton
 - ▶ treegrid
 - ▼ packages
 - ▶ amf
 - ▶ charts
 - ▶ core
 - ▶ font-awesome
 - ▶ font-ext
 - ▶ font-ios
 - ▶ font-pictos
 - ▶ google
 - ▶ legacy
 - ▶ soap
 - ▶ ux

- ▼ Coworker
 - ▼ client
 - ▶ app
 - ▶ build
 - ▶ ext
 - ▶ overrides
 - ▼ packages
 - ▼ local
 - ▶ Auth
 - ▶ coworker
 - ▶ coworker-widgets
 - ▶ History
 - ▶ Home
 - ▶ Office
 - ▶ Organization
 - ▶ Person
 - ▼ remote
 - ▶ package-loader
 - ▶ resources

sencha generate package --namespace App.view.auth Auth

▼ packages

▼ local

▼ Auth

▶ examples

▶ licenses

▶ overrides


▶ resources

▶ sass

▶ src








 build.xml

 package.json

 Readme.md

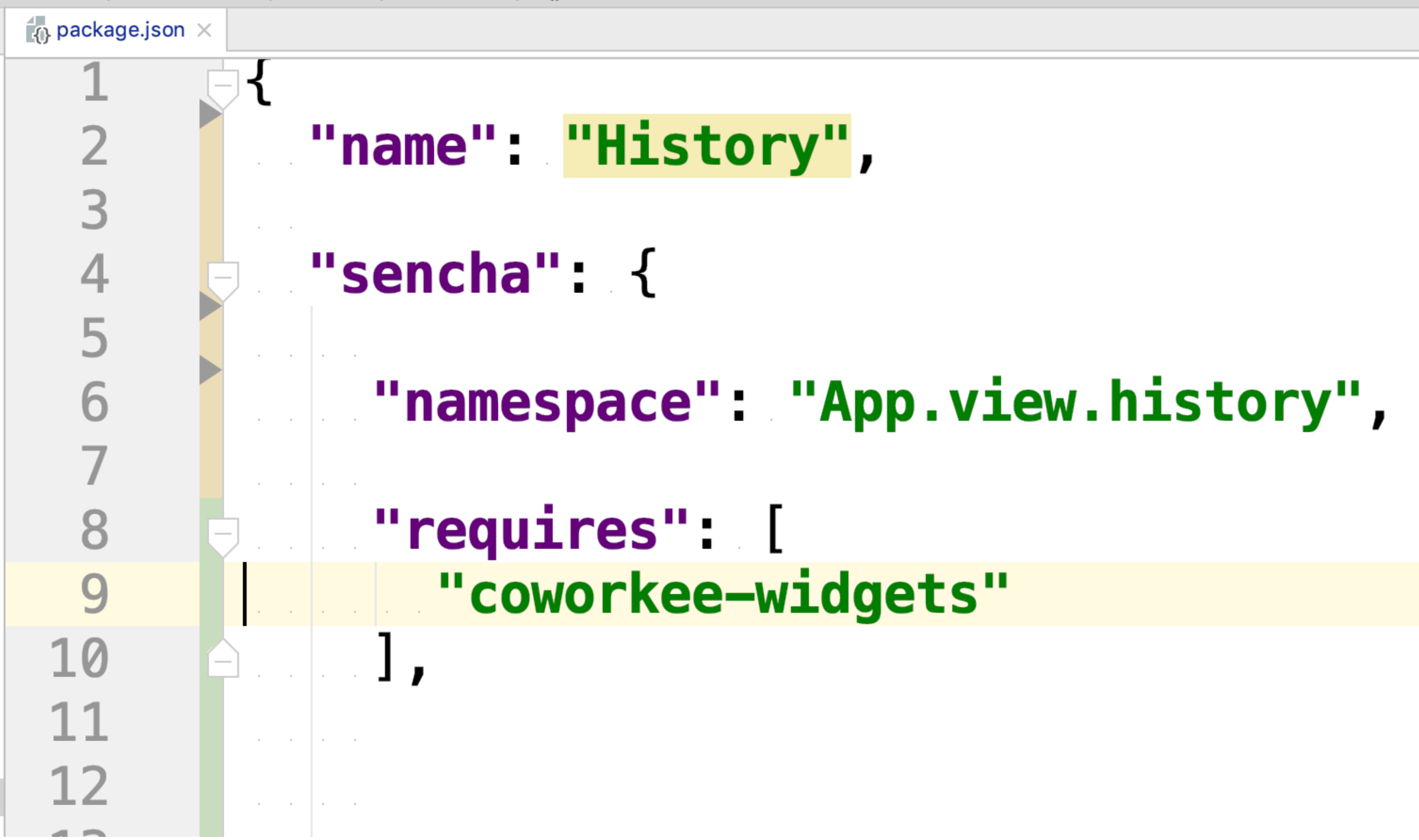
- ▼ Auth
 - ▶ examples
 - ▶ licenses
 - ▶ overrides
 - ▶ resources
 - ▶ sass

▼ src

-  Login.js
-  Login.scss
-  LoginController.js
-  Readme.md
-  build.xml
-  package.json
-  Readme.md


```
1 {
2   "name": "Auth",
3   "sencha": {
4     "namespace": "App.view.auth",
5     "type": "code",
6     "creator": "Nils Dehl",
7     "summary": "Auth Login",
8     "detailedDescription": "Package which contains the auth login view and controller.",
9     "version": "1.0.0",
10    "compatVersion": "1.0.0",
11    "format": "1",
12    "slicer": {...},
20    "output": "${package.dir}/build",
21    "local": true,
22    "sass": {"namespace": "App.view.auth"...},
34    "classpath": [...],
37    "overrides": [...],
40    "example": {...},
45    "requires": []
46  }
47 }
48
```

```
51
52     ... "theme": "coworker",
53
54     "requires": [
55         "font-awesome",
56         "google",
57         "ux",
58         "coworker-widgets",
59         "Auth"
60     ],
61
62     "uses": [
63         "Organization",
64         "Person",
65         "Home",
66         "Office",
67         "History"
68     ],
```



examplePackagesAndRouting > Coworker > client > packages > local > coworker > package.json

Project
Unicode Browser
DB Browser

Project
examplePackagesAndRouting ~/Sites/conference





- .idea
- Coworker
 - client
 - app
 - build
 - ext
 - overrides
 - packages
 - local
 - Auth
 - coworker
 - build
 - overrides
 - sass
 - build.xml
 - package.json

package.json

```
1 {
2     "name": "coworker",
3
4     "sencha": {
5
6         "namespace": "Ext",
7
8         "type": "theme",
9
10        "extend": "theme-triton",
11    }
```



sencha package build

- ▼ Coworkee
 - ▼ client
 - ▶ app
 - ▼ build
 - ▼ coworkee
 - PL SQL coworkee.pkg**
 - ▶ development
 - ▶ temp
 - ▶ testing
 - ▶ ext
 - ▶ overrides
 - ▼ packages
 - ▼ local
 - ▶ Auth
 - ▼ coworkee
 - ▼ build
 - ▶ resources
 -  config.rb
 -  10010 coworkee.js
 -  coworkee-all-debug.scss
 -  coworkee-all-rtl-debug.scss
 -  coworkee-debug.js
 - ▶ overrides
 - ▶ sass
 -  build.xml
 -  package.json


```
sencha package repo init -name "dkd" -email "nd@dkd.de"
```

sencha package add coworkee.pkg

Dynamic Package Loading

Ext.Package | Ext JS 6.7.0

https://docs.sencha.com/extjs/6.7.0/classic/Ext.Package.html

Ext JS 6.7.0 - Classic Toolkit

M C search ?

History :

Quick Start Guides API

PackageProgressProgressBarProgressBasePromiseResponsiveResponsiveWidgetStringTaskQueueTemplateVersionWidgetWindowManagerXTemplateZIndexManagerbrowserfeatureossupports

Show private classes

Ext.Package

view source

properties

methods

PublicProtectedPrivateInheritedReadOnly

loa

METHODS

INSTANCE METHODS

isLoaded (pkgName) : Boolean

Returns true if pkgName is already loaded.

Ext.Package

view source

load (pkgName) : Promise

Loads the specified package given its pkgName . Any packages required by the requested package will be loaded prior to the that package. In...

Ext.Package

view source



Ext JS Version < 6.5

```
requires: [  
    "package-loader"  
]
```



Tuesday, April 09

🕒 10:58am

Upcoming

Recent

Past

r 16 | Birthday



Laura Russell

Product Engineer
46 years old

24 | Anniversary



Heather Ford

Nuclear Power Engineer
5 years

y 3 | Birthday



Raymond Kelley

Research Nurse
54 years old

y 7 | Anniversary



Stephanie Gomez

Senior Quality Engineer
7 years

Apr 23 | Anniversary



Stephen Morris

Budget/Accounting Analyst I
3 years

May 1 | Anniversary



Harry Tucker

Administrative Officer
4 years

May 6 | Anniversary



Amy Davis

Research Nurse
5 years

May 8 | Birthday



Kathy Bryant

Research Nurse
40 years old


```
sencha generate package -require Home \  
  then generate package -require Office \  
  then generate package -require Organization \  
  then generate package -require Person \  
  then generate package -require History
```

```
51
52     ... "theme": "coworker",
53
54     "requires": [
55         "font-awesome",
56         "google",
57         "ux",
58         "coworker-widgets",
59         "Auth"
60     ],
61
62     "uses": [
63         "Organization",
64         "Person",
65         "Home",
66         "Office",
67         "History"
68     ],
```

sencha app build —uses

- ▼ Coworkee
 - ▼ client
 - ▶ app
 - ▼ build
 - ▶ coworkee
 - ▶ development
 - ▶ temp
 - ▼ testing
 - ▼ App
 - ▼ resources
 - ▶ Auth
 - ▶ coworkee-widgets
 - ▶ ext
 - ▶ font-awesome
 - ▶ font-ext
 - ▶ fonts
 - ▼ History
 - History.css
 - History.js
 - Readme.md
 - ▼ Home
 - Home.css
 - Home.js
 - Readme.md
 - ▶ images
 - ▶ Office
 - ▶ Organization
 - ▶ Person
 - ▶ ux
 - App-all.css


```
1 Ext.define('App.view.main.MainController', {
2     extend: 'Ext.app.ViewController',
3     alias: 'controller.main',
4
5     routes: {
6         ':type(/:args)?': {
7             action: 'handleNavigationRoute',
8             conditions: {
9                 ':type': '(history|home|offices|organizations|people)',
10                ':args': '(.*)'
11            }
12        },
13        ':type/:id(/:args)?': {
14            before: 'loadPackage',
15            action: 'handleDataRoute',
16            conditions: {
17                ':type': '(office|organization|person)',
18                ':id': '([a-f0-9-]{36}|create|edit)',
19                ':args': '(.*)'
20            }
21        }
22    },
```



```
js MainController.js x
80  →handleNavigationRoute: function (type, args)
81  →{
82  →→var me = this,
83  →→→store = Ext.getStore( name: 'Menu'),
84  →→→entry = store.getById(type),
85  →→→packageName = entry.get('packageName');
86
87  →→→this.lookup( key: 'mainmenu').setSelection(entry);
88  →→→if (!entry)
89  →→→{
90  →→→→return null;
91  →→→}
92
93  →→→if (Ext.Package.isLoaded(packageName))
94  →→→{
95  →→→→this.activate(
96  →→→→→this.ensureView(type, config: {
97  →→→→→→xtype: entry.get('xtype'),
98  →→→→→→title: entry.get('text'),
99  →→→→→→packageName: entry.get('packageName')
100 →→→→→}, args));
101 →→→→}
102 →→→else
103 →→→{
104 →→→→this.getView().setMasked({
105 →→→→→message: 'Loading Package...'
106 →→→→});
107
108 →→→→Ext.Package.load(packageName).then(function ()
109 →→→→{
110 →→→→→me.getView().setMasked(null);
111 →→→→→me.activate(
112 →→→→→→me.ensureView(type, {
113 →→→→→→→xtype: entry.get('xtype'),
114 →→→→→→→title: entry.get('text'),
115 →→→→→→→packageName: entry.get('packageName')
116 →→→→→→}, args));
117 →→→→});
118 →→→}
119
120 →},
```



Coworkee | person/9935c919-

localhost:3000/#person/9935c919-e077-44f0-a61b-d23ea35a2ad5

☆ ⓘ 🌐 XML ABP 📄 ⚙️ 📱 👤 ⋮

⌵

ElementsNetworkConsolePerformanceSourcesApplication>>❌ 4 ⚠️ 3⋮✕

⏮ ⏪ 🔍 | View: 📄 📄 ☐ Group by frame ☐ Preserve log ☒ Disable cache ☐ Offline Online

Filter☐ Hide data URLs All | XHR JS CSS Img Media Font Doc WS Manifest Other

Hit ⌘ R to reload and capture filmstrip.

Recording network activity...
Perform a request or hit ⌘ R to record the reload.

⋮

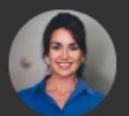
🏠

👤

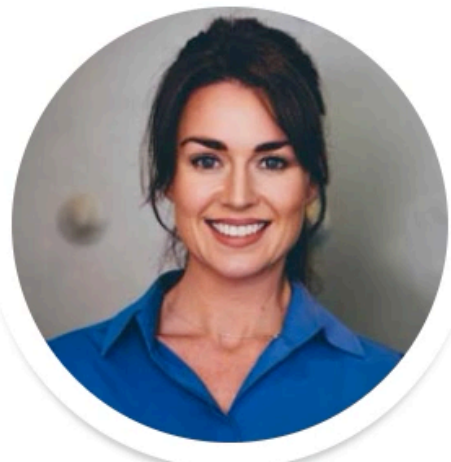
🔗

🌐

🔄



🔌



Norma Flores

Administrative Officer

✎ Edit

📞

💬

✉️

in

📍 El Mida

Details

USERNAME

norma.flores

EMAIL

norma.flores@extjsdemo.com

PHONE

1-458-555-0119

SKYPE

nflores16

LINKEDIN

norma.flores

BIRTHDAY

December 27th, 1988

30 years

ENTRY DATE

November 22nd, 2012

EXIT DATE

October 11th, 2016

3 years



```
1 Ext.define('App.view.main.MainController', {
2     extend: 'Ext.app.ViewController',
3     alias: 'controller.main',
4
5     routes: {
6         ':type(/:args)?': {
7             action: 'handleNavigationRoute',
8             conditions: {
9                 ':type': '(history|home|offices|organizations|people)',
10                ':args': '(.*)'
11            }
12        },
13        ':type/:id(/:args)?': {
14            before: 'loadPackage',
15            action: 'handleDataRoute',
16            conditions: {
17                ':type': '(office|organization|person)',
18                ':id': '([a-f0-9-]{36}|create|edit)',
19                ':args': '(.*)'
20            }
21        }
22    },
```



```
JS MainController.js x
122 loadPackage: function(type, id, arg1, arg2) {
123     const me = this;
124     const action = arg2 ? arg2 : arg1;
125     let packageName;
126
127     switch (type) {...}
141
142     if (Ext.Package.isLoaded(packageName))
143     {
144         action.resume();
145     }
146     else
147     {
148         this.getView().setMasked({
149             message: 'Loading Package...'
150         });
151
152         Ext.Package.load(packageName).then(function ()
153         {
154             me.getView().setMasked(null);
155             action.resume();
156         });
157     }
158 },
```


Resources

Coworkee Example App:

<https://github.com/mrsunshine/Coworkee>

Routing Guide:

https://docs.sencha.com/extjs/6.7.0/guides/application_architecture/router.html

Ext.route.Router:

<https://docs.sencha.com/extjs/6.7.0/classic/Ext.route.Router.html>

Dynamic Package Loading Blog Post:

<https://mitchellsimoens.com/2017/04/12/package-loading/>

Ext.Package:

<https://docs.sencha.com/extjs/6.7.0/classic/Ext.Package.html>

dkd sagt Danke

dkd Internet Service GmbH
Kaiserstraße 73, 60329 Frankfurt am Main







Nils Dehl

- JavaScript Consultant and Trainer
- over 10 years Ext JS experience
- Sencha MVP
- @nilsdehl
- nils.dehl@dkd.de
- <https://github.com/mrsunshine>