Wro4ext - Maven plugin for minifying Ext JS applications

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Introduction

- Project requirements - code minification
- Limitations - dependent resources and deadlines

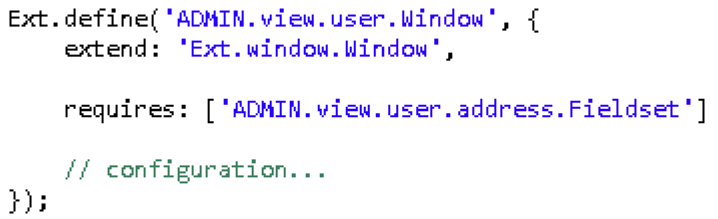
Ext JS

Architecture:

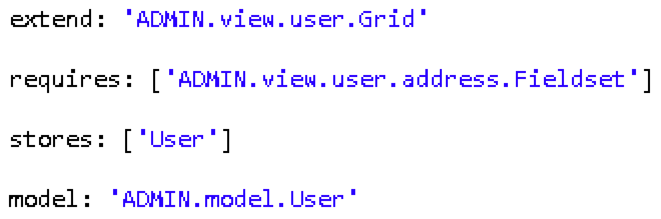
- Components - Grid, Form, Field, Button…
- Data - Model, Store
- Controllers - Listeners

Ext JS

Dependencies



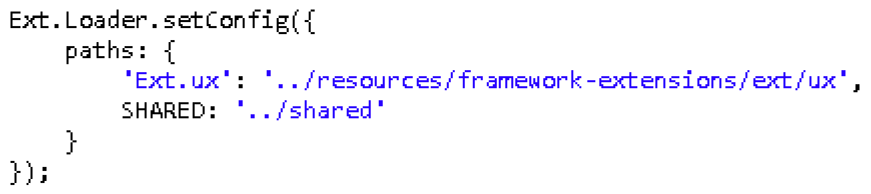
```
Ext.define('ADMIN.view.user.Window', {
    extend: 'Ext.window.Window',

    requires: ['ADMIN.view.user.address.Fieldset']

    // configuration...
});
```



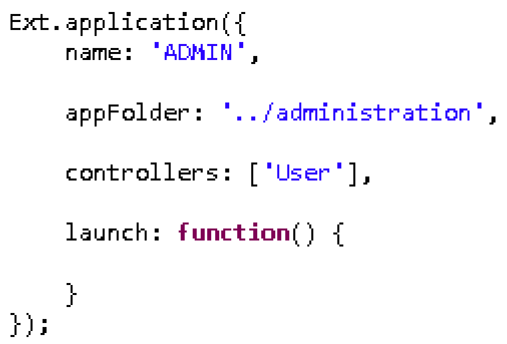
```
extend: 'ADMIN.view.user.Grid'

requires: ['ADMIN.view.user.address.Fieldset']

stores: ['User']

model: 'ADMIN.model.User'
```

Ext JS

Class loader



```
Ext.Loader.setConfig({
    paths: {
        'Ext.ux': '../resources/framework-extensions/ext/ux',
        SHARED: '../shared'
    }
});
```



```
Ext.application({
    name: 'ADMIN',

    appFolder: '../administration',

    controllers: ['User'],

    launch: function() {

    }
});
```

Standard tools

- Sencha Cmd
- SDK Tools v2 (deprecated)

JavaScript appoach

- JS algorithm - collecting dependencies
- Wro4j maven plugin - minification
- Limitations - not automated

Wro4ext - *version 1*

- Maven plugin - build time solution
- Parsing JSON configuration - collectiong dependencies
- Wro4j maven plugin - minification
- Build phase - prepare-package

Maven war overlay

- Wro4j maven plugin limitations - overlay
- Maven war plugin - goals war and exploded

Wro4ext - *final version*

- Extension - collecting dependencies and minification
- Wro4j maven plugin not in use anymore
- Build phases
  - *maven-war-plugin* – prepare-package – goal *exploded*
  - *wro4ext-maven-plugin* – prepare-package
  - *maven-war-plugin* – package – goal *war*

Thank you!