**jsTree:**

jsTree is **jquery plugin**, that provides **interactive trees**. It is absolutely **free,**[**open source**](https://github.com/vakata/jstree/).

jsTree is easily extendable, themable and configurable, it supports **HTML & JSON data sources and AJAX loading**.

**Configuration:**

It’s configured in **BuildConfig.grrovy** under plugins closure as below.

plugins {

compile ":js-tree:0.3.1"

}

It will download jsTree library into plugins folder of the project.

It’s configured in gsp file(**index.gsp**) as below.

<g:javascript library=*"jquery"* plugin=*"jquery"*/>

<jsTree:resources />

**$(“#treeViewDiv”).jstree();**

**treeViewDiv** is the id of the div element in index.gsp.

Below code snippent gets the tree data from controller(**HomeController**) and display in browser.

$('#treeViewDiv').jstree({

'json\_data' : {

"ajax" : {

'url' : '${request.contextPath + '/home/treeview'}',

'success': **function**(data){

**return** data

}

}

},

"plugins" : [ "themes", "json\_data", "ui", "crrm"]

});

As we represent the data in **JSON** format, an ajax call is made from ajax block under ‘jsn\_data’ as shown in the abov code snippet.

There is one special key in the config object named plugins. It is an array of strings, which contain the names of the plugins we want active on this instance.

“**themes**”**:**  controls the looks of jstree - without this plugin w will get a functional tree, but it will look just like an ordinary UL list..

“**json**\_**data**”**:** converts the tree data in **JSON** format. If we want to display the data in html format, we can use **html\_data**.

**“ui”:** handles selecting, deselecting and hovering tree items.

**“crrm”:** handles creating, renaming, removing and moving nodes by the user.

**Create sub node:**

Create sub node action can be configured as below.

$('#treeViewDiv').jstree().bind("create.jstree", function(e, data) ;

**data.rslt** gives the new node to be created.

**data.rslt.parent** gives the parent node of the new node to be created.