

Tree XPage Control

License: Apache License v2
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Platform: Lotus Domino 8.5

Description

The "*ccTree*" custom control is to generate an XPage Dojo tree customer control with data from a category view in a Notes database.

Screenshot

Below is a screenshot when testing the ccTree custom control with Tree.xsp XPage in treeDemo.nsf. In that page, ccTree control is customized to show the Contacts view while the leaf node's value is from Name column. The OnClick property is set to show the leaf value in a label control at the bottom of the page.

tree	Country	State	City	Name	Email	NoManager
Contacts	China					
	Beijing		Beijing	Chenn	chenn@mbi.com	no
				Daiq	daiq@mbi.com	yes
				Yangzl	yangzl@mbi.com	yes
				Zhanyh	zhanyh@mbi.com	no
	Hubei		WuHan	Liw	liw@mbi.com	
	Sichuang		Chengdu	Zhangsj	Zhangsj@mbi.c	
	US		DZ	AnDoNow	Wuny	wuny@mbi.com

How to run and try the custom control

Notes client:

- Copy treeDemo.nsf from ccTree.zip in your Notes data directory (e.g. c:\notes\data)
- Open treeDemo.nsf in Domino Designer
- Select XPage 'tree' and invoke the menu action 'Design-Preview in web browser-Default browser'

Domino server:

- Copy treeDemo.nsf from ccTree.zip in your Domino data directory (e.g. c:\domino\data)
- Open treeDemo.nsf in Domino Administrator and sign the database
- Open a web browser and navigate to the 'tree' XPage (e.g. Http://serverAddress/treeDemo.nsf/tree.xsp)

How to re-use control in custom application

- 1, Copy the following design elements from treeDemo.nsf into your nsf or ntf:
 - Custom control: ccTree – The dojo tree custom control.
 - JavaScript library (server): Tree - The server side js lib to retrieve JSON string from a specified Notes view.
- 2, Switch to “Package Explorer” View and copy the content in 'src' folder into your application's project source folder(e.g. 'Local' folder as default), then rebuild the project.

Custom control: ccTree

ccTree is the core custom control. There are 5 properties to configure it.

<i>Property name</i>	<i>Type</i>	<i>Default</i>	<i>Description</i>	<i>Sample value</i>
Server	String	""	The server where the target view's db locates, empty(default) means the session's server.	"127.0.0.1"
DBName	String	""	The path of the target view's db on the server, empty(default) means current db.	"treeDemo.nsf"
ViewName	String		The target view's name.	"Contacts"
ColumnName	String		The value of the column was shown on the tree's leaf nodes.	"Name"
OnClick	String	""	The script(JavaScript) to be run when clicking the tree's leaf nodes.	"var value = jsonStore.getValue(item, "title"); alert(value);"

The custom control also specifies a variable 'jsonStore' of type `dojo.data.ItemFileReadStore` to store the JSON data from the view. User can use `jsonStore.getValue(item, "title")` to get the leaf node's title you clicked(which is also the value in the column you specified to show in the custom control).

Sample:

```
<xc:ccTree ViewName="Contacts" ColumnName="Name">
  <xc:this.OnClick>

var value = jsonStore.getValue(item, "title");
alert(value);

  </xc:this.OnClick>
</xc:ccTree>
```