Drop Down Tree List Plug-in

I. Preface

Plugin provides you an easy way to build drop-down tree list attached to a display only element. Creation process consists of two steps. First you need to create a tree region and fill the Static ID attribute. Finally on the same page add **Drop Down Tree List** item plug-in, enter the same Tree Region **Static ID**.

See plugin page for examples:

http://www.apex-plugin.com/oracle-apex-plugins/item-plugin/drop-down-tree-list_381.html

II. Installation

a. Select the application where you want to import the plug-in.
b. Go on page **Shared Components** > **Plug-Ins** then click **Import** button.
c. Select sql file located in archive and select **File Type**: **Plug-in**, click **Next**.
d. On final page click **Install Plug-in**.
e. After the installation you will see global plugin settings:

You can leave it by default then click **Apply Changes**.
(These settings are always available on page **Shared Components** > **Component Settings**)

III. How to use

First on the page where you want to add the plug-in you need to create a standard tree region. There are no restrictions on the attributes so you can choose any options.

For more information about tree regions in apex see the apex documentation: https://docs.oracle.com/cd/E59726_01/doc.50/e39147/tree_query.htm#HTMDB29332

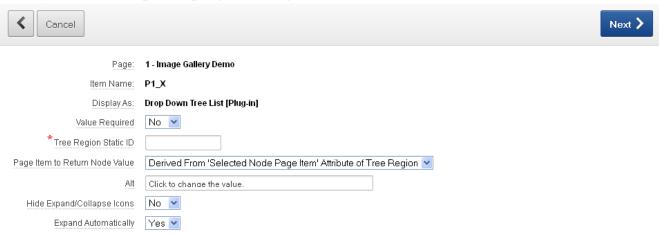Then go to the region attributes of your new created region and specify **Static ID**.

> **Note:** It can be any unique identifier that begins with (a–z or A–Z) and followed by any combination of a–z or A–Z, 0–9, hyphens (-), underscores (_), colons (:), and periods (.)

Here you can specify region template for tree region. There should be several appropriate templates. I personally prefer to use **Reports Region No Title**.

Then go on **Tree Attributes** tab and specify **Selected Node Page Item** field. It's recommended to fill this attribute for animation to work properly. You can use any hidden item on same page. **Unrestricted protection level** must be used for this item or you will get item protection error.

Finally create **Drop Down Tree List** item plug-in:

a. Go to the page where you want to use the plug-in.
b. Run the create item wizard, choose **Plug-ins** as item type.
    You will see the new option **Drop Down Tree List**, select it.
c. Enter the display position and the name of the item, click **Next**.
d. Enter the label and template for display only element, click **Next**.
e. Here you will see special plugin settings:

Tree Region Static ID – enter static id of tree region.

Page Item to Return Node Value – value **Derived From 'Selected Node Page Item' Attribute of Tree Region** is the only option available and is for information purposes only.

Alt –It's a tooltip that is displayed when you move mouse over the element.

Hide Expand/Collapse Icons – if you want to hide these icons, choose '**Yes'**.

Expand Automatically – if you want tree nodes to be expanded initially, choose '**Yes'** (Available if previous option is chosen to '**No**'). Click **Next**.

f. Use **Source Used**, **Source Type**, **Item Source Value**, **Default**, **Item Default Type** fields to specify the value for display only element.

g. Click **Create Item**.

You can add multiple trees and item plug-ins; however you shouldn't mix APEX 5.0 Tree implementation and jsTree implementation on one page.

IV. Additional details

Session State:

To reference selected tree node label reference the item plugin.
To reference selected tree node value reference the item that is specified in **Page Item to Return Node Value** attribute.

See apex documentation for syntax details:
https://docs.oracle.com/cd/E59726_01/doc.50/e39147/concept_ses_val.htm#HTMDB03012

Appearance:

To adjust appearance of drop down tree list:

Go to tree attributes then specify **tree template** attribute.
Go to region attributes of the tree region then specify **region template** attribute.

Tree regions may be displayed differently in different application themes.

Dynamic Actions:

You can create dynamic actions on item plug-in.
For example if you want to show hidden button on change event do following:

1. Go to button attributes then enter **style="display:none"** in **Attributes** field.

2. Create **Dynamic Action:**

   Event – Change
   Selection Type – Item(s)
   Item(s) – Select your item plug-in
   Condition – No condition

   Action – Show
   Fire On Page Load – uncheck it
   Show all page items on the same line – No
   Selection Type – Button
   Button – Select your button

V.   Global Component Settings

You can find global plug-in settings under **Shared Components** > **Component Settings**

Tree Region Attributes:

Css to adjust menu height and other initial styles.
Note that these styles are added directly on the page to prevent artifacts during page loading. Styles position:absolute and display:none are necessary for this plug-in to work properly.

Default: max-height:800px; overflow:auto; position:absolute; display:none; z-index:1000;

Width Auto-Sizing:

Some region templates are designed in a way to automatically stretch to all available width. For example, many themes include
Report Region 100% width template. It can be easily changed in **Region Definition** to a more appropriate region template; however, if you still have problems with the region width you can try to turn this feature on. The other reason to use this feature is that it's applying fixed width to the menu, thus you don't need to manually adjust menu width via css.

> **Note:** Either of the features: **Expand Automatically** or **Hide Expand/Collapse Icons** should be enabled for this feature to work properly.

Default: disabled.

VI.   Notes

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You can send feedbacks and bug reports to my email address: svdev74@gmail.com
For bug reports, please include all kind of technical information: full apex version, application theme name, plugin options, detailed description of the problem, screenshots or examples on apex.oracle.com.

Note: English is not my strong side so if you see errors in English text somewhere you can help me to fix them just send me the correct version.