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Tree Maintenance Process Overview

Process Frequency	This process occurs on an ad hoc basis.
Dependencies	None
Assumptions	None
Responsible Parties	Both individuals at the campuses and the UWSA SFS Support Team may need to maintain trees.
Alternate Scenarios	None

Process Detail

I. General Tree Information

Trees allow you to organize your ChartField values in a hierarchical manner and are mainly used in setting up security, in combination editing, and for reporting. They are used to summarize ChartField values so that the summary levels can be used in other areas of SFS. Multiple trees using the same ChartField values can be created to summarize those values differently for various purposes.

Using Trees has several advantages. When setting up reports or combination edits and rules, it is easier to select values from the tree than selecting and hard coding each detail value. Maintenance is also easier. Instead of updating each report and combo rule when a new department or account is added, Trees allow you to add the new value and have that value reflected in the report and combo rule.

Effective Dates

Trees are effective dated, allowing you to specify new reporting relationships and continue to have history intact. You can use trees with past, present, or future effective dates when reporting on current or historic data.

SetIDs

When using a SetID as a key value for your tree, you should assign the same SetID as the record that your tree is built on. Department trees, for example, should have a SetID of your Business Unit, since Department values and rollups vary by institution.

Tree Levels

Levels provide a way to organize tree nodes. Sometimes you want to be able to identify all of the nodes on the same level as a group, even when they do not share the same parent. For example, you might create a PS/nVision layout that summarizes the data for a division, and then define a PS/nVision scope that creates one report instance for each division, regardless of what company it is in. To allow you to refer to all the nodes at a level, PeopleSoft Tree Manager enables you to name each level. You will use the level name when you define the scope for your PS/nVision report (rather than identifying all the nodes individually). Level names can appear next to the node description. Naming your levels gives you another way to use the data in the tree. Levels also work well for trees used in WISDM, as the trees will be balanced, meaning detail and higher nodes will not be seen at the same level. The level names will be seen in the drill down level on the summary reports.

Tree Nodes

Nodes define the hierarchical relationship within the tree. Each detail value reports to a tree node at the next higher level of the organization. Each tree node represents the group of detail values under that node that “report” to it. Referring to the node is a shorthand way of referring to the group of detail values under it.

For example, if a report refers to the Office of the President, it includes data from all the detail values under the Office of the President node—including the detail values under the Human Resources department, because Human Resources reports to the Office of the President. In turn, each tree node reports to another tree node at a higher level of organization, until we reach the top level of the hierarchy, called the root node.

When talking about trees, we use terminology derived from the idea of a family tree. The nodes that report to the root node are called children or child nodes. The root node is their parent. Nodes that have the same parent are called siblings. Detail values, or leaves, link a roll-up structure to the supporting detail. For example, the nodes in an Account tree are categories of Accounts rather than the detailed Accounts themselves. Using the example from above, the account tree has a node called Payroll Expenses, with detail values specifying a range of accounts from 1000 to 1999 rolling up to it.

Tree Structures

Tree Structures specify the type of information that PeopleSoft Tree Manager uses to store information about your tree. Depending on the type of tree you are creating, use the following Tree Structure ID:

Type of Tree	Appropriate Tree Structure ID
Account Tree	ACCOUNT
Account Tree that does not contain nodes but rather all accounts	ACCOUNT_DETAIL
Department (Org) Tree	ORGANIZATION
Fund Tree	FUND
Project Tree	PROJECT_GL

Additional Tree Information

- Trees are based on a single ChartField; they are not used to combine ChartFields.
- You may set up an unlimited number of trees for any ChartField.
- Trees should always be created from the top down.
- Each level/node of the tree is named so that it can be easily referred to for editing and reporting. A node represents the group of detail values that “report” to it.
- Detail values can be defined as a range or as individual, specific values.

II. Tree Manager and Tree Viewer

Navigation: Tree Manager > Tree Manager

Navigation: Tree Manager > Tree Viewer

There are two main ways to look at trees in SFS, either with Tree Manager or Tree Viewer. Tree Manager allows you to view and update trees, while Tree Viewer is read-only access to the tree.

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1. **Enter** or **Search** for the *Tree Name*.
 - a. If you do not know the name, you may want to use the Advanced Search to use multiple search fields. **Click** on the *Advanced Search* hyperlink, which will give you access to additional search fields (shown in the screenshot below).

The screenshot shows the 'Tree Manager' interface. At the top, there is a breadcrumb trail: 'Favorites > Main Menu > Tree Manager > Tree Manager'. Below this is the title 'Tree Manager' and a instruction: 'Enter any information you have and click Search. Leave fields blank for a list of all values.' There are two buttons: 'Find an Existing Tree' and 'Create New Tree'. A section titled 'Search Criteria' contains several search fields, each with a dropdown menu and a text input box. The fields are: 'Tree Name:', 'SetID:', 'Set Control Value:', 'Effective Date:', 'Tree Branch:', 'Description:', 'Category:', 'Tree Structure ID:', 'Valid Tree:', 'Node Field:', and 'Detail Field:'. Most dropdowns are set to 'begins with'. The 'Effective Date:' dropdown is set to '='. There are magnifying glass icons next to the 'SetID:', 'Category:', 'Tree Structure ID:', 'Node Field:', and 'Detail Field:' input boxes. At the bottom left, there is a checkbox labeled 'Case Sensitive'.

2. **Enter** your Business Unit in the *Category* field of the Advanced Search. Some Trees that belong to your Business Unit may have a *SetID* of 'SHARE', so entering your Business Unit in the *SetID* field may filter out some trees from your results.
3. **Click** on the *Tree Name*.
 - a. Trees are effective dated, meaning the information in the trees has to be equal to or less than the effective date of the field added. For example, there are several *Account* trees available, all with different effective dates. Make sure when you select a tree that you click on the appropriate effective dated tree.

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[Favorites](#) | [Main Menu](#) > [Tree Manager](#) > [Tree Manager](#)

Tree Manager

Enter any information you have and click Search. Leave fields blank for a list of all values.

[Find an Existing Tree](#) | [Create New Tree](#)

▼ Search Criteria


Search by: Tree Name begins with

[Search](#) | [Advanced Search](#)

Search Results

View All First 1-3 of 3 Last

Tree Name	SetID	Set Control Value	Effective Date	Tree Branch	Description	Category	Valid Tree
SYS_FUND_MAJCLASA	UWSYS	(blank)	07/02/2011	(blank)	Share - Fund tree -Major class	SHARE	Valid Tree
SYS_FUND_MAJCLASA	UWSYS	(blank)	07/02/2010	(blank)	Share - Fund tree -Major class	SHARE	Valid Tree
SYS_FUND_MAJCLASA	UWSYS	(blank)	07/02/2009	(blank)	Share - Fund tree -Major class	SHARE	Valid Tree

4. To navigate through the tree, **click**  to the left of the node name to expand or collapse the node:

[Favorites](#) | [Main Menu](#) > [Tree Manager](#) > [Tree Manager](#)







Tree Manager

SetID: UWSYS **Last Audit:** Valid Tree
Effective Date: 07/02/2010 **Status:** Active
Tree Name: SYS_FUND_MAJCLASS Used in combo edits

[Save As](#) | [Close](#) [Tree Definition](#) | [Display Options](#) | [Print Format](#)







[TOP](#) > **REVENUE**

[Collapse All](#) | [Expand All](#) [Find](#) First Page 14 of 245

- TOP - Top
 -  ZLUMP - Zlump
 -  SPEXP1 - Supplies and Expense
 -  SALCR1 - Sales Credits
 -  FNAID1 - Financial Aid
 -  SALPRM - Permanent Salaries
 -  LTESTU - LTE/Student Salaries

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The following icons/actions are available when navigating through trees in *Tree Viewer*.

Icon	Action	Description
	<i>Expanded Node:</i>	Represents an open node, showing all lower levels of the hierarchy.
	<i>Collapsed Node:</i>	Represents a node with its contents out of sight until expanded.
	<i>Terminal Node:</i>	Represents a node that has no children.
	<i>Branch Node:</i>	Represents a node that has been branched.
	<i>Detail Value or Leaf (detail/summary trees only):</i>	Represents an individual field value attached to a node at the end of a branch.
	<i>Expand Node Hierarchy:</i>	Expands all child objects.

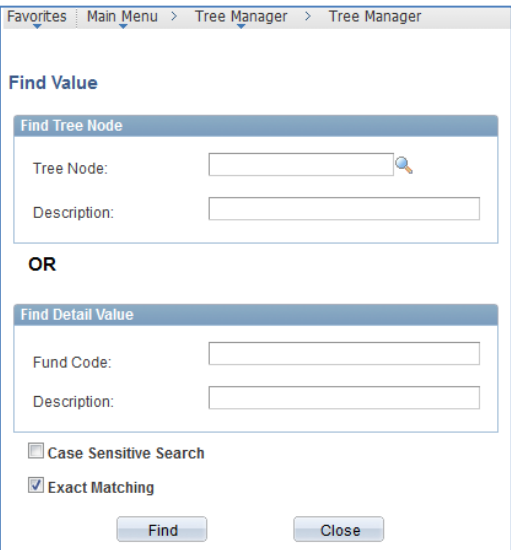
Tree Manager enables you to view, create, and modify trees. In addition to the icons/actions listed above in *Tree Viewer*, the following actions are available in *Tree Manager*.

Label/Hyperlink	Description
Collapse All	Click to close all of the visible nodes except for the root node. The root node is always expanded.
Expand All	Click to expand all of the nodes on the tree, so that the entire tree or branch hierarchy is visible. Expands all parent/child relationships, but the tree hierarchy is still presented one page at a time. Use the Next and Previous page arrows to page forward and backward through the tree.
Find	Click to access the Find Value page and search for nodes and detail values

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Label/Hyperlink	Description
	 <p>Select 'Exact matching' to search for an exact match. Clear the check box to perform partial searches. If you clear this check box, the system automatically adds a wildcard character at the end of the user defined search condition. Example search for description (%cash%). This search will find all descriptions containing cash.</p>
Save	Saves the tree and performs audits on detail values.
Save Draft	Saves the tree, but doesn't perform audits. Trees will be marked as Draft until audits are run against it and tree is valid.
Save As	Allows you to save the tree with a different name or effective date. This is an easy way to copy the tree to make changes.

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Label/Hyperlink	Description
Tree Definition	Displays the Tree Definition and Properties page
Print Format	Formats the completed tree so that it can be printed using the internet browser's printing functionality
Close	Closes the tree










Depending on the level you are at in viewing the tree, there will be several different icons available in Tree Manager, which include:

Icon	Action	Description
	<i>Insert Sibling Node</i>	Inserts a new node that shares the same parent as the currently highlighted node.
	<i>Insert Child Node</i>	Inserts a new node that reports to the currently selected node.
	<i>Insert Detail</i>	Inserts a new detail value or range of values. This is only available if the detail value information has been entered on the Tree Structure.
	<i>Expand Node Hierarchy</i>	To expand all child objects for a node, first expand the node, then click the image with two folders
	<i>Update node properties (i.e. Rename a Node)</i>	Displays the <u>Node Properties</u> page, which enables you to change the level of a node or rename a node . Use renaming cautiously. You would only want to use this rename function when you are sure nothing else is linked to it. Keep in mind any nVision reports, nVision scopes, combination

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Icon	Action	Description
		edits, allocations, closing rules, etc., that may have relied on the OLD NAME will also have to be updated.
	<i>Edit properties</i>	Allows you to change the detail value or detail “range from” and “range to” values.
	<i>Edit data</i>	Displays a page for maintaining or editing the application data for the node or detail values. This includes changing the node description. At the detail level, this option takes you back to the application pages so you can actually add detail values to the table or change existing ones.
	<i>Delete</i>	Deletes the selected node.
	<i>Delete Detail</i>	Deletes the selected details.
	<i>Cut</i>	Marks the highlighted tree component as ‘cut’ and copies it to the clipboard where you can use either Paste as Sibling or Paste as Child commands.
	<i>Paste as Sibling</i>	Allows you to paste a node that you have previously cut into the tree as a sibling of another node.
	<i>Paste as Child</i>	Allows you to paste a node that you have cut into the tree as a child.
	<i>Branch</i>	Subdivides or splits that part of the tree into a separate component that can be maintained and viewed separately from the main tree.
	<i>UnBranch:</i>	Removes the selected branch. PeopleSoft Tree Manager replaces the branch image with the node image. Any nodes that report to the selected node are now available in the tree.

Tree Definition

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[Favorites](#) | [Main Menu](#) > [Tree Manager](#) > [Tree Manager](#)

Tree Manager

SetID: UWSYS **Last Audit:** Valid Tree
Effective Date: 07/02/2010 **Status:** Active
Tree Name: SYS_FUND_MAJCLASS Used in combo edits

[Save As](#) [Close](#) [Tree Definition](#) [Display Options](#) [Print Format](#)

5. From the *Tree Manager* page, **Click** on the *Tree Definition* hyperlink will allow you to view and modify Tree properties. In this section, you can:
 - a. **Enter** a new description and category of the tree
 - b. **Select** the tree to be 'Active' or 'Inactive'
 - c. **Select** how you want the tree to handle audits
 - d. **Modify** levels and how they are used
6. **Select** Save As will also bring up the tree definition page, with more of the fields available to update (such as effective date).

[Favorites](#) | [Main Menu](#) > [Tree Manager](#) > [Tree Manager](#)

Tree Definition and Properties

***Tree Name:** SYS_FUND_MAJCLASS
***Structure ID:** FUND
***Effective Date:** 07/02/2010 ***Status:** Active
***Description:** Used in combo edits
***Category:** UWSYS
***Use of Levels:** Level Not Used [Performance Options](#)
***SetID:** UWSYS

Audits	Item Counts
<input type="checkbox"/> All Detail Values in this Tree	Node Count: 14
<input checked="" type="checkbox"/> Allow Duplicate Detail Values	Leaf Count: 231
Perform Audits	Level Count: 0
	Branch Count: 0

[Save As](#) [Save As Draft](#) [Close](#)

Each of the field labels on the *Tree Definition and Properties* page are described below:

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Label	Description
Tree Name	Required if creating a new tree, otherwise, it will not be updatable unless doing as 'Save As' with the tree.
Structure ID	The Structure ID defined the field or Chartfield upon which the tree is based
Effective Date	The effective date of the tree must be the same or later than the date of the detail values used in the tree, if the detail values are effective dated.
Status	Either Active or Inactive. Only active trees can be used by other applications.
Description	Free form text field to further define the tree's purpose
Category	Additional field to categorize trees. We strongly suggest using your campus designation (i.e. UWGBY) here to show ownership
Use of Levels	Options include Strictly Enforced, Loosely Enforced, or Level Not Used. Levels will make reporting easier. If there is a hierarchy in the detail value used in the tree, PeopleSoft recommends using levels.
Set ID	Select the Set ID to assign to the tree. We recommend you using the same Set ID the detail value uses.
All Details Values in this Tree	When this box is checked, Tree Manager performs an audit to verify that all detail values defined for the field are included in the tree. If detail values are missing, a warning message will appears upon save and the tree will be saved as draft.
Allow Duplicate Detail Values*	<p>Select this check box if multiple values will be included in the tree.</p> <p>Any tree used in WISDM cannot have duplicate values.</p> <p>When creating combination rules, there may be times when you want duplicate values in your tree. For instance, if you are creating a rule based on valid departments by fund, and the levels represent funds, depending on the department structure, there may be instances where departments are valid with multiple funds.</p>
Perform Audits button	Will perform tree audits to ensure all details are included in tree (if box checked). The tree audit is also run every time the tree is saved.

Display Options

Favorites Main Menu > Tree Manager > Tree Manager

Tree Manager

SetID: UWSYS Last Audit: Valid Tree
Effective Date: 07/02/2010 Status: Active
Tree Name: SYS_FUND_MAJCLASS Used in combo edits

[Save As](#) [Close](#) [Tree Definition](#) [Display Options](#) [Print Format](#)

7. From the *Tree Manager* page, **Click** on the *Display Options* hyperlink will allow you to view and modify Tree properties. On this page you can:
- Turn** off and on the display of tree node descriptions
 - Set** the default action for dragging and dropping nodes
 - Determine** the number of lines to see per page.

Favorites Main Menu > Tree Manager > Tree Manager

Configure User Options

Display Options

☒ Display Node Id
☒ Display Node Description
☒ Display Detail Values
☒ Show Detail Description
☐ Display Levels
Display Lines Per Page:

Nodes Drag/Drop Default Action

☐ Paste As Sibling Node
☒ Paste As Child Node

Label	Description
-------	-------------

Label	Description
Tree Name	Required if creating a new tree, otherwise, it will not be updatable unless doing as 'Save As' with the tree.

III. Building a New Tree

Navigation: Tree Manager > Tree Manager and **click** on the 'Create New Tree' tab or Save an existing tree 'Save As' from an existing tree.

1. **Complete** the *Tree Definition and Properties* page. Explanations for each of these fields can be found above in the [Tree Definition](#) section.

Tree Definition and Properties

*Tree Name:

*Structure ID:

*Effective Date: 03/26/2013 *Status: Active

*Description:

*Category: DEFAULT

*Use of Levels: Strictly Enforced [Performance Options](#)

Audits	Item Counts
<input type="checkbox"/> All Detail Values in this Tree	Node Count: 0
<input type="checkbox"/> Allow Duplicate Detail Values	Leaf Count: 0
	Level Count: 0
	Branch Count: 0

OK Return to Search

2. **Click**
3. **Add** *Tree Levels*, if needed, in the 'Step 1' section.
 - a. If your tree will use levels (thus being a balanced tree), enter the levels on this page in the 'Step 1' section. It is recommended to use levels especially on Department (Organization) trees. This way when you build an nVision scope you can select items on the tree by the level as opposed to specifying each tree node. In addition, if you add a new tree node your scope is automatically updated because it is referencing the level.
4. **Add** the *Root Node* in the 'Step 2' section.
 - a. The root node is needed for every tree and is also known as the top of the tree.
5. **Click**

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Enter Root Node for Tree

Tree Name: TESTTREE

Step 1: Set Up Tree Levels


Tree Levels				
Level Name	All Values	Description	View Detail	Delete Level
	<input type="checkbox"/>		View Detail	Delete Level

[Add Level](#)

Step 2: Define Root Node

*Root Node:

[OK](#) [Cancel](#)

6. **Click** the  icon to insert the first child node of root node.
 - a. You can either enter a new node, or select one that already exists.
 - i. If you entered values that have already been defined, PeopleSoft Tree Manager adds the values to the tree when you click [Add](#)
 - ii. If you enter a new value, PeopleSoft Tree Manager informs you that you have entered an undefined value. Depending on your security access, PeopleSoft Tree Manager may enable you to add the new value.


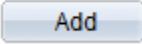
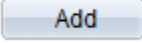
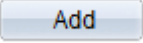
Insert Child Node

*Tree Node:

[Add](#) [Cancel](#)

7. **Repeat** this process for the remaining sibling nodes of the first child.
8. **Add** detail values to the newly created nodes.


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- a. **Click** on the node to which you would like to add a detail value. To complete a detail-value tree, you need to define detail values for each *terminal* node in the tree, which means each node that has no child nodes.
- b. **Click** the  (Insert Detail) image.
 - i. To enter a single value, **enter** the same value in the *From* and *To* fields. **Click** .
 - ii. To enter a range of values, **enter** the *From* value and the *To* value. **Click** .
 - iii. If you are creating a dynamic detail tree, **select** the *Dynamic Flag* check box. The Detail Value Range page appears. It shows the tree node that the new values report to. If you **click** the Dynamic Flag check box other fields on a page become locked. When you **click** , PeopleSoft Tree Manager displays brackets [] in place of the detail value for the selected node. When you use the tree, the system automatically selects the appropriate detail values for the node.
 - iv. If you **enter** a new value, PeopleSoft Tree Manager will inform you that you have entered an undefined value. Depending on your security access, PeopleSoft Tree Manager may enable you to add the new value, which is the same as adding a new ChartField. Be careful when typing this information.

Detail Value Range




Tree Node: 102

☐ Dynamic Flag

Range From: 

*Range To: 

Add Cancel

9. **Repeat** this process for the remaining detail values in your tree.
10.  **Save** the Tree.
11. In order to access this tree when creating reports, combo edit rules, allocations, and other processes, you must navigate to: *PeopleTools > Utilities > Administration > TableSet Control*
12. **Enter** your *SetID*.
13. **Click** the  tab.
14. **Click** the  to add your new Tree to this list.
15. **Enter** your *SetID* first, this will return the correct list of Tree Names from which to choose.
16. **Enter** your *Tree Name*.

Navigation: Favorites | Main Menu > PeopleTools > Utilities > Administration > TableSet Control

Record Group: Tree

Set Control Value: UWSYS

SetID:

*Default SetID:

Tree Controls				Personalize	Find	View All		First	1-10 of 12	Last
*Tree Name	Description	*SetID	Short Description							
FUND_TO_PROJECT	Select funds require project	UWSY:	UWSYS							
<input type="text"/>		<input type="text"/>								
SYS_ACCT_MAJCLASS		UWSY:	UWSYS							
SYS_CABINET_REPORT	Cabinet Level Budget Status	UWSY:	UWSYS							

17. Click Save

IV. Common Tree Maintenance Actions

Auditing a Tree

PeopleSoft delivers a Tree Audit process, which creates a list of all missing values from a tree if the 'All Detail Values included in Tree' box is checked on the Tree Definition. The audit process will list each problem the tree may have in one report.

Navigation: Tree Manager > Tree Auditor

1. **Add** a new run control or **open** an existing one.
2. **Enter** the *SetID*.
3. **Enter** or **Search** for the *Tree Name*.
4. For the *Date Selection*, if you are auditing the current tree, **select** the 'As of Current Date' option. Otherwise, you can enter a specific effective date.
5. Click Run

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Favorites Main Menu > Tree Manager > Tree Auditor

Tree Auditor

Run Control ID: TREEAUDIT [Report Manager](#) [Process Monitor](#) [Run](#)

Audit Scope

☒ Single Tree ☐ Multiple Trees

Tree Definition

Tree Name: SetId:

Date Selection

☐ Effective Date of Tree
☒ As of Current Date
☐ As of Specific Date
☐ All Trees

[View Results](#)

[Save](#) [Notify](#) [Add](#) [Update/Display](#)

6. Select 'PSUNX' as the Server.

7. Click [OK](#)

Process Scheduler Request

User ID: bmchugh Run Control ID: TREEAUDIT

Server Name: Run Date: [B](#)
 Recurrence: Run Time: [Reset to Current Date/Time](#)
 Time Zone:

Select	Description	Process Name	Process Type	*Type	*Format	Distribution
<input checked="" type="checkbox"/>	TREEMAINT	TREEMAINT	Application Engine	Web	PDF	Distribution

[OK](#) [Cancel](#)

- When this process has run to success, **click** the *View Results* link on the bottom left hand corner of the Run Control page OR navigate to *Tree Manager > Tree Utilities > Repair Tree Reports*.
- If there are errors for that Process Instance, the number of errors will be listed along with a hyperlink to the detailed report.

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Batch Report

Process Instance: 6139082 Run Control ID: TREEAUDIT

User ID: bmcchugh Run Date/Time: 03/26/13 9:23:20AM

Show Reports Criteria

☒ Reports with Data ☐ All Reports

Report List [Personalize](#) | [Find](#) | [View All](#) | | First 1 of 1 Last

Open Report	Report Content	Total Row Count
Open Report	Detail Value Not Found in Tree	57

10. **Click** on the *Open Report* link. This will display the values in error, in this case 'Detail Values that are not Found in the Tree'.

Detail Value Not Found in Tree

Tree does not contain all detail values found in the application table. Following are a list of keys of detail values that are in the application table, but are not defined in the tree

Note : The report lists out only the first 300 values that are not found in the tree

Audit Report [Find](#) | [View All](#) First 1 of 1 Last

SetId: UWSYS SetCntrlValue: <NONE> Tree Name: SYS_FUND_MAJCLAS2 Eff Date: 2013-03-26

Results [Personalize](#) | [Find](#) | [View All](#) | | First 1-20 of 57 Last

Detail Value Key Field
170
172
173
183
185
187

Renaming a Tree Node

- To rename a Tree Node, **click** on the Node you'd like to rename.
- Click** the (Update Node Properties) Icon.
- Enter** the *New Name*.
- Click**

Node Properties

Tree Node: ZLUMP

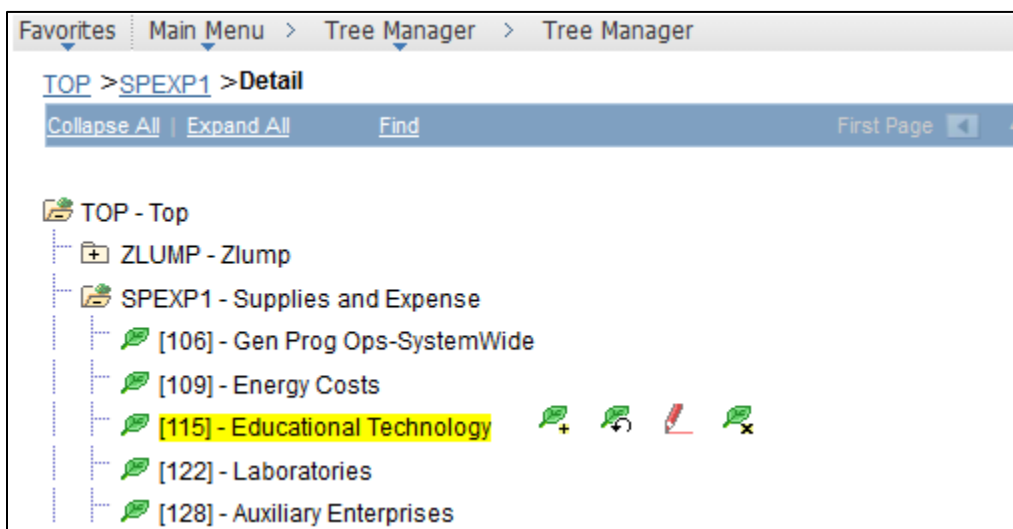
New Name:

Moving Tree Nodes or Leaves

There are two ways to move tree nodes or leaves, either by **dragging and dropping**, or by **cutting and pasting** using the ✂ (Cut), 📄 (Paste as Sibling), and 👤 (Paste as Child) icons.

In the Display Options, which are described above, you can specify whether the drag and drop default action is to 'Paste as a Child' or 'Paste as a Sibling'. When dragging and dropping, **click and hold** the mouse button while you **drag** the item to the correct place.

When using the cutting/pasting option, once you **click** on the ✂ icon, the node or leaf will be highlighted in yellow, as seen below.



Printing a Tree

There may be times when you would like to print a hard copy of a tree for your reference.

Navigation: Tree Manager > Tree Viewer

1. **Navigate** to the Tree.

2. **Select** the Node you would like to print. **Click** on the 'TOP' node will print format the entire tree for printing.
3. **Click** *Print Format*

Tree Manager
SetID: UWSYS Last Audit: *Draft Tree*
Effective Date: 03/26/2013 Status: Active
Tree Name: SYS_FUND_MAJCLAS2 Test Tree

[Save Draft](#) | [Save](#) | [Save As](#) | [Close](#) [Tree Definition](#) | [Display Options](#) | [Print Format](#)

TOP > ZLUMP
[Collapse All](#) | [Expand All](#) [Find](#) First Page ◀ 16 of 24

TOP - Top
└─ ZLUMP - Zlump

4. **Print** this page from your web browser.

V. Query Tree Maintenance

Maintenance of Query Trees is performed by UWSA Problem Solvers. If there is a record that you are unable to view/utilize in PS Query Manager, please contact UWSA Problem Solvers at uwsaproblemsolvers@maillist.uwsa.edu.

Revision History

Author	Version	Date	Description of Change
Brendan McHugh	1.0	3/26/2013	Initial Draft
Susan Kincanon	1.1	05/07/2013	Final review and publish to website
Jon Ahola	1.2	06/13/2013	Final review