**Reference Guide -**

# Treeview Builder v10x (ADF)

By CMiC



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# UI Treeview Builder (ADF) – v10x Tool

## **Overview – UI Treeview Builder**

CMiC			
DEVELOPMENT TOC	DLS	SOFTWARE V10	
CHOOSE A TOOL:	CHOOSE AN ENVIRONMENT:	CHOOSE A PRODUCT:	CHOOSE AN ENVIRONMENT:
• Treeview Builder	• testv10x	Enterprise Console	• testv10x
Query Builder	• pretestv10x	Enterprise Classic	• pretestv10x
Workflow Monitor		Classic without treeview	
Form Letter Definition		Project Management	
Jasper Server / Analytics		• Timesheet Entry	
Program Builder		HR Self-Service	
Simple Menu		<ul> <li>Opportunity Management</li> </ul>	
Report Parameters		<ul> <li>Subcontractor Prequalification</li> </ul>	
Oracle Report Queue			
Server Logs			
Latest Server Log			
	RUN DevTools »		RUN Software »

Sample screen of CMiC Enterprise's launch page: Development Tools on the left and CMiC Enterprise Software on the right.

CMiC Enterprise's Treeview Builder tool is found under the **Choose a Tool** column of the **Development Tools** section, as framed by the red rectangle in the screenshot above. Treeview Builder allows an administrator to customize the Treeview menu used to list and launch the applications of Enterprise, external URLs, and created UI Logs and Dashboards. Also, it allows Treeviews to be saved at either the User, Group, or Site Level, so that Treeviews can be customized for just one user, a group of users, or for all Enterprise users. Its functionality is similar to that of the JSP Menu Maintenance tool for JSP based applications.

# **Setup for UI Treeview Builder**

# **Grant User UI Treeview Builder Privileges**

C 0	USER MAINTENANCE	
FI Accounts Pavable	Level name (mine,all,uic code,user id) - Required	
Accounts Receivable	USER Switch sc	reen to Table
Job Costing	tiliser ZOHREH2 Sava/Refresh Mode list	ting all users
Subcontract Management	would in the second sec	ang an users
Change     Treeview	General Assign Roles System Privileges Configuration Privileges Consolidations Access C	Company Access Employee Security Compliance Security
Work C Section	Configuration Privileges	eges tab
Requisitions	View - View - Report Options - Report Options - Report Options	rt 🖉 ECM Documents 🖉 😤 User Extensions
El Purchase Order	una i all'anna ll'anna all'anna	
El Equipment Costing	* Code * Name	Select
Preventive Maintenance	CONSOLEDT CONSOLE: Allow User To Edit Console Definition.	3
Material Sales	LITHTMLREG CONSOLE: Allow to create/edit region with embedded HTML	
Fixed Assets		
US Payroll	UILOUTEDT UI Layout Builder: Allow User To Edit Layout Definition	
International Payroll	UIADDLEUDF UI Lite Editor: Allow User To Add User Defined Fields Via Lite Editor.	
Human Resources	UIRLITEEDT UI Lite Editor: Allow User To Edit Program Definition Via Lite Editor.	
Opportunity Management	UTMOVECUST UT Lite Editor: Allow User to Move Customizations To Other Levels	1
E Workflow		
₽ 1099	ULOGERT UT LOGS: Allow USER TO CREATE A NEW LOG.	
E System	UILOGEDT UI Logs: Allow User To Edit Log Configuration.	
Global Tables	UILOGSRC UI Logs: Allow User To Register New Log Data Source.	setting to allow user
Getup	UIPRGEDT UI Program Builder: Allow User To Edit Program Definition	rights to Treeview
Preferences	CUCCUSTING UI Durations Allow User To Channel Control and	Builder
Forms     Forms	CHGCUSTEVE UT RUNTIME: Allow User to Change Customization Level.	
	UITRVEDT UI Treeview Builder: Allow User To Edit Treeview Definition	<u>v</u>
Reports (standard/default path)	Insert Beserd	
□ Security	EDIT PRIVILEGE LEVELS	
H Roles	View 🔻 💟 🔂 Freeze 🖷 Detach 🛛 Search 🚓 Insert Record 🗃 Insert Multiple Records 🚓 D	elete Record 🛞 Workflows 💌 🖨 Report Options 🔍 🎟 Export 🚿
Liser Maintenance		
User ID Mapping	Level Type Level Name	
Payroll Security	User A mine A	
Iob/Project Security		

For a target user to create and edit Treeviews, an administrative user with the rights to alter a user's security settings must grant the target user the relevant privileges. The screen to alter the relevant security settings is **User Maintenance** (Standard Treeview navigation: **System** > **Security** > **Users** > **User Maintenance**), as shown in the above screenshot.

## Grant User Rights to Treeview Builder

From the **User Maintenance** screen, search for and select the target user. The security setting that grants a user rights to Treeview Builder is titled **UI Treeview Builder:** Allow User To Edit Treeview Definition, and it is found on the **Configuration Privileges** tab of the User Maintenance screen (shown in the previous screenshot). Ensure that this privilege's checkbox is checked so that the target user has rights to run the **Treeview Builder** development tool from the launch screen.

## **Configuration Level Rights for Treeview Builder**

In the **Edit Privilege Levels** section, encircled by the green oval, click **Insert Record**. For the new row, assign the user a **Level Type** privilege and a corresponding **Level Name** privilege.

The **Level Type** field specifies the level at which the target user is able to save a customized Treeview. The following table provides details about the available **Level Type** edit privileges:

Level Type (Customization Level)	Details
User	User Level: privilege to manage Treeviews for a single User ID
UIC Group	Group Level: privilege to manage Treeviews for a UIC Group. For details about setting up UIC Groups, please refer to the following section, <i>UIC Group Maintenance</i> .
Site	Site Level: privilege to manage Treeviews for all users at the Site Level (aka System/Client Level)

The values available for the second field, **Level Name**, depend on the value selected for the **Level Type** field. The **Level Name** field specifies the User ID, Site, or UIC Group for which the target user may customize Treeviews. The following table provides details about the available **Level Name** privileges:

Level Name [Set of User(s)]	Details
mine	If <b>User</b> is selected for the first field, the term <i>mine</i> means "my User ID"; if <b>Site</b> is selected for the first field, the term <i>mine</i> means "my site"; if <b>Group</b> is selected for the first field, <i>mine</i> means "my group".
<user id=""></user>	If <b>User</b> is selected for the first field, User IDs are available, along with the " <b>mine</b> " and " <b>all</b> " options.
<uic code="" group=""></uic>	If <b>Group</b> is selected for the first field, UIC Group codes are available, along with the " <b>mine</b> " and " <b>all</b> " options.

To review, if **Level Type** is "**User**" and **Level Name** is "**mine**", the user can customize Treeviews for themselves; and if **Level Type** is "**Site**" and **Level Name** is "**mine**", the user can customize Treeviews for everyone at the Site Level (i.e. Client level).

# **UIC Group Maintenance**

UI C	UI CONFIGURATION GROUPS 💾 Save 🕞 Exit 🛈 😨 🛕 🛛				₽⊽Q			
USER G	ROUP							
View	T TA Fr	eeze 📲 Detach	🖻 Search 🛛 🖶 Insert Record	🗿 Insert Multiple Records 🛛 🚈 Delete Reco	rd 💩 Workflows 🛛 💌 😝 Report Options 🗍 💌 🌉 Exp	ort 🛛 🗣 ECM Docume	nts 🛛 👻 🖧 Use	r Extensions
_	* Code		Name	Description				
ADM	IN	Admin		Testing Group - ADMIN				
HRG	RP	HR Group		HR Group				
KMG	RP	Keith's testing gro	oup	Used by Keith for Testing				
QAG	RP	QA - Testing Grou	р	Testing Group				
SAAS		SaaS Configuratio	n	Users belonging to this group are going to se				
USER D	ETAIL	members of	selected UIC group					
View	• Y 🛱 Fr	eeze 🖷 Detach	👩 Search 🛛 🖶 Insert Record	┨ Insert Multiple Records 🛛 🖶 Delete Reco	rd 🛛 🗞 Workflows 🛛 🖛 🔒 Report Options 🛛 🖛 🗛 Exp	ort 🛛 🗣 ECM Docume	nts 🛛 👻 💆 Use	r Extensions
	User ID	k.						
MIK	EFER1	-						
DEN	NISL							
JESS	ICA							
NAT	ALIA							
JCRA	NE							

Sample of User Interface Configuration screen; Program Name: SDUICONFIGGROUP; Standard/Default Treeview path: System > Setup > User Interface Configuration

The User Interface Configuration screen is the maintenance screen for User Interface Configuration Groups (UIC Groups). UIC Groups are used to group users for the purpose of assigning them a customized Console, a customized Treeview, or a customized screen (via Lite Editor) at the Group Level.

For instance, Human Resources personnel can be added to a UIC Group titled "HRGRP", and when a customized Console, Treeview or screen is created for the group, the customized version would be saved at the Group Level, for the HRGRP UIC Group.

## **User Group** – Section

The **User Group** section lists all of the created UIC Groups. For the UIC Group selected in this section, the **User Detail** section displays its members.

#### Add UIC Group

To add a UIC Group, click [Insert Record] on the User Group section's Block Toolbar. For the Code field, provide an identifying code for the UIC Group. For the Name field, provided a name for the UIC Group, and for the Description field, provide a description for the group. Click [Save] to commit the addition.

#### **Edit UIC Group Name or Description**

Select the group's row, using the section area (framed by red rectangle in previous screenshot), then edit the group's name or description using the **Name** or **Description** fields. Click [**Save**] to commit the changes.

#### **Delete UIC Group**

Select the group's row, using the section area (framed by red rectangle in previous screenshot), then click [**Delete Record**] on the **User Group** section's Block Toolbar. Click [**Save**] to commit the deletion.

### **User Detail** – Section

The User Detail section is used to maintain the members of the UIC Group selected under the User Group section.

NOTE: A user can belong to only one UIC Group at a time.

#### Add Member to UIC Group

To add a member to a selected UIC Group, click [**Insert Record**] on the **User Detail** section's Block Toolbar. Select a User ID from the list of values. Click [**Save**] to commit the addition.

#### Delete Member from UIC Group

Select the member's row, using the section area (framed by red rectangle in previous screenshot), then click [**Delete Record**] on the **User Detail** section's Block Toolbar. Click [**Save**] to commit the deletion.

# Treeview Builder – Screen

## **Loading & Saving Treeviews**

## Named Treeviews & Named Treeviews Set - Terminology

Please Select Menu to Edit	
SELECT CUSTOMIZATION LEVEL	
* Level Type Configuration Group	
* Level Name HRGRP 💌	
Match  All All Any Code Description	List of <b>Named Treeviews</b> available for specified Level Object (the Site, UIC Group Code, or User ID)
	Search Reset
Code	Description
Code APMENU	Description AP Menu
Code APMENU V10XPROFESSIONAL	Description AP Menu Default Professional Menu
Code APMENU V10XPROFESSIONAL V10SAASSTDMENU	AP Menu Default Professional Menu Enterprise v10 SaaS
Code APMENU V10XPROFESSIONAL V10SAASSTDMENU IMG_V10XMENU	Description AP Menu Default Professional Menu Enterprise v10 SaaS Imaging Menue for QA
Code APMENU V10XPROFESSIONAL V10SAASSTDMENU IMG_V10XMENU V10XCRM	AP Menu Default Professional Menu Enterprise v10 SaaS Imaging Menue for QA Opportunity Management Menu
Code APMENU V10XPROFESSIONAL V10SAASSTDMENU IMG_V10XMENU V10XCRM V10XFORMS	Description Keset

Sample of screen to choose Treeview to load.

#### **Named Treeviews**

A Named Treeview is any Treeview that is visible and available to users. They appear in lists of Treeviews, such as the list of Treeviews available to choose from, just after the user launches UI Treeview Builder. The above screenshot shows a sample of such a list of Named Treeviews.

#### **Named Treeviews Set**

All of the Named Treeviews in the system comprise the system's Named Treeviews Set.

#### Load Treeview – Part 1

The first step in creating a customized version of a Treeview or in editing an existing Treeview is to load the relevant Treeview.

#### Load Treeview to Create Customized Variant

If Treeview Builder is launched to create a customized Treeview, the Treeview selected when you start Treeview Builder is used as the starting point (base) from which its menu items are edited, added or removed. The modified Treeview is saved as a variant version, for a user, User Interface Configuration Group (UIC Group), or everyone using Enterprise (Site Level).

#### Load Treeview to Edit

If Treeview Builder is launched to edit a Treeview for a user, UIC Group, or at the Site Level, the Treeview selected when Treeview Builder was launched is the Treeview that gets modified and saved.

## Save Customized Treeview – [Save] vs [Save As]

UI Treeview Builder was designed to be versatile. Specifically, it allows versatility in how a company maintains its set of Named Treeviews, giving a company more choice in creating its own protocol for using Treeview Builder in a consistent manner.

One of the intended results of this versatility is that Treeview Builder allows for the simplification of a user's set of Named Treeviews (set of Treeviews made available to users for selection), which is illustrated in the following section.

#### System Levels & System Level Objects

When a customized Treeview is saved, it is saved at a particular Enterprise system level, for a particular system level object. The following table provides details about the system levels, their objects, and the availability of Treeviews for particular system level objects:

Enterprise System Level	Enterprise System Level Object(s)	Treeview Availability & System Level Objects
Site Level	Only 1 object at the Site Level, <i>the Site</i> , which is the Enterprise system.	A Treeview at the Site Level is tied to <i>the Site</i> , and it is available to all Enterprise users.
Group Level	UIC Groups: UIC Groups group users in order to assign them a Treeview.	A Treeview at the Group Level is tied to a particular UIC Group, and it is only available to members of the UIC Group.
User Level	User IDs	A Treeview at the User Level is tied to a particular User ID, and it is only available to the user with that User ID.

Please	Select	Menu	to	Edit
--------	--------	------	----	------

SELECT CUSTOMIZATION	I LEVEL
* Level Type Configuration G	roup ▼ ← select Level (the Site, Group, or User)
* Level Name HRGRP 💌 👞	select Level Object (the Site, UIC Group Code, or User ID)
Match  All Any	
Code	
Description	
	Search Reset
Code	Description
APMENU	AP Menu
V10XPROFESSIONAL	Default Professional Menu
V10SAASSTDMENU	Enterprise v10 SaaS
IMG_V10XMENU	Imaging Menue for QA
V10XCRM	Opportunity Management Menu
V10XFORMS	v10x Default Forms Treeview Enterprise Edition
V 10STDMENU	v10x Default Treeview Enterprise Edition v10x Default Treeview Enterprise Edition 2 variant versions for 3 users, at the Use 2 variants for 2 UIC groups, at the Group

As an example, the **V10x Default Treeview Enterprise Edition** Treeview has 5 variants of the displayed base version.

Since a Treeview is saved for a particular user, User Interface Configuration group (UIC Group), or for the Site, the user can save the customized Treeview without changing the name and overwriting the Treeview it was based on, using [**Save**] instead of [**Saves As**]. This keeps variant versions out of Treeview lists, as shown in the above screenshot. Also, this is possible because Treeviews are not only distinguished by their name, but also by the user, UIC Group, and level for which they are saved. As long as the modified Treeview is saved for a different user or UIC Group, or at a different level, using [**Save**] results in a variant being saved, without overwriting the loaded Treeview. As would be expected, if the modified Treeview is loaded and saved using the same user or UIC Group, or if it was loaded and saved at the Site Level, using [**Save**] results in the loaded Treeview being overwritten.

#### Example

If you log into Enterprise with a Treeview that is at the Site Level, use UI Treeview Builder to modify it, then use [**Save**] to save it at the Group Level for a particular UIC Group, the loaded Treeview at the Site Level remains unmodified and a variant is created for the particular UIC Group. Behind the scene, the system is able to distinguish between the two, and it will load the variant for members of the UIC Group, and it will load the Site Level version for all other users.

#### Load Treeview - Part 2: Order in Which Variants are Searched & loaded

When a user logs into Enterprise, the user selects which Named Treeview to use. The system assumes that all Named Treeviews, whether they are a base (i.e. a generic, un-customized version) or a variant of a base, potentially have variant versions. Thus, regardless of the Treeview's type, the first thing the system does is it checks if there is a variant version of the selected Treeview (with the exact name) at the User Level for the user. If none is found, the system then checks if there is a version of the selected Treeview at the Group Level, for the user's UIC Group. If none is found again, the system uses the selected Treeview.

The first customized version the system encounters, in this order, is the version loaded for the user, and if no customized version is found, the Treeview loaded is a Site Level Treeview. The system does not check if there

is a version of the selected Treeview at the Site Level, since all users have access to Treeviews saved at the Site Level.

**NOTE**: The following two suggested protocols are intended to give you an idea of a consistent protocol your company could establish to maintain its set of Named Treeviews. They may be adopted, or your company could choose to create its own protocol that is a combination of the two.

#### Suggested Protocol 1: Keep Variants Out of Named Treeviews Set

This suggested protocol for creating Treeviews can be used by administrators that wish to have a smaller, neater set of Named Treeviews, to simplify the choosing of Treeviews by users by not providing them with various variant versions of Treeviews. Such a simplified set of Named Treeviews would only contain Treeviews that are bases, and only these base Treeviews are available to users. Variants are kept out of the set of Named Treeviews, and the system automatically determines which Treeview to use for a user.

#### **Create Variant**

To save a customized version of a loaded Treeview, without adding the variant to the set of Named Treeviews, use [**Save**] instead of [**Saves As**]. As expected, since the modified Treeview is not saved with a new name, it will not be in the set of Named Treeviews. The loaded Treeview remains unmodified, and a variant is created for the particular UIC Group. Behind the scene, the system is able to distinguish between the two. When a user logs in, if the system finds a customized version for the user, it will load the customized version, otherwise it will load the base version.

**NOTE**: Due to the order in which variants are searched and loaded, explained in the preceding *Load Treeview* – *Part 2* section, if variants of a particular Named Treeview exist for a user at the User Level and at the Group Level, only the User Level version is ever loaded, since User Level variants are searched for first and the first variant found is loaded. Thus, for each Named Treeview, a user can have either a User Level variant or a Group Level variant, but not both.

#### **Create New Named Treeview (New Base)**

If a new Named Treeview is required in the set of Named Treeviews as a base (i.e. generic versions), use [Save As] to save the customized Treeview with a new name. As expected, since the Treeview is saved with a new name, it becomes a Named Treeview.

#### Edit Treeview – Base or Variant

To edit a Named Treeview or a variant for a UIC Group or the Site, load the Treeview for the relevant system level object (UIC Group or the Site). For details about how to ensure that the correct Treeview is loaded, please refer to the *Load Treeview – Part 3* section.

When saving the modified Treeview, save it for the same system level object using [**Save**]. The result is that the loaded Treeview is overwritten with the modified version.

#### Suggested Protocol 2: Keep Variants in Named Treeviews Set

If administrators wishes to keep variants in the set of Named Treeviews, along with the base versions, use [Save As] instead of [Save] to save new variant Treeviews with a different name. As expected, since the variant is saved with a new name, it becomes a Named Treeview, completely detached from the Treeview on which it was based. To distinguish between the base and variant versions, include the system level object's name for which the variant was saved.

To summarize, if this option is used, the set of Named Treeviews will contain the base Treeviews and all of their variants, and the name used to save them is used to distinguish them. Since variants are in the set of Named Treeviews, variants are also Named Treeviews.

#### Create New Named Treeview - Base or Variant

To create a new Named Treeview, based on the loaded Treeview, use [**Save As**] to save the modified Treeview with a new name. As part of the name, specify the system level object (UIC Group, or the Site) for which it was created. Since the Treeview is saved with a new name, it becomes a Named Treeview, visible to the users for which it was saved.

#### Edit Treeview – Base or Variant

To edit a Named Treeview or a variant for a UIC Group or the Site, load the Treeview for the relevant system level object (UIC Group or the Site).

When saving the modified Treeview, saved it for the same system level object using [Save]. The result is that the loaded Treeview is overwritten with the modified version.

**NOTE**: Due to the order in which variants are searched and loaded, explained in the preceding *Load* Treeview – *Part 2* section, if variants of a particular Named Treeview exist for a user at the User Level and at the Group Level, only the User Level version is ever loaded, since User Level variants are searched for first, and the first variant found is the one that gets loaded. Thus, for each Named Treeview, a user can have either a User Level variant or a Group Level variant, but not both.

#### **Customizing Treeviews for UIC Groups as Administrator**

In order for an administrator to be able to save a customized Treeview for a UIC Group or to load a UIC Group's Treeview for the purpose of customizing it, the administrator must belong to that UIC Group.

A user can only belong to one UIC Group at a time, so, if the administrator belongs to a different UIC Group, the first step is to remove the administrator from that UIC Group. With the administrator not belonging to any UIC Group, add the administrator to the UIC Group for which the Treeview is to be modified.

After the administrator saves the modified Treeview, the administrator can be removed from the UIC Group for which the Treeview was modified, and added back to their actual UIC Group.

## **Main Toolbar Menu Options**

The following are details about the screen's Main Toolbar options:

Menu Option	Description
E Save	Saves the modified Treeview using the same name, for the same system level (User, Group, or the Site,) and system level object (User ID, UIC Group, the Site). Please refer to the <i>Loading &amp; Saving Treeviews</i> section for details about saving Treeviews
Save As	Saves the modified Treeview with a new name, for a selected system level and system level object. Please refer to the <i>Loading &amp; Saving Treeviews</i> section for details about saving Treeviews.
QReset	Resets the current Treeview, which is a variant of its base version, to its base version.
🕲 Undo	Clears all unsaved changes done to the current Treeview.

# **Treeview Builder Sections**

TREE VIEW BUILDER		Current Settings are for	: User DA 💾 Save 🔛 Save As 🕐 Reset 🕉 Undo
SOURCE MENU V10STDMENU - v 10x Default Treeview Enterprise Edition	CURRENT MENU DiskassTDMENU - Enterprise v10 SaaS	ITEM PROPERTIES	
VIDX Default Treeview Enterprise Editon General Ledger Accounts Receivable Data Costing Data Co	Enterprise v10 SaaS     SetUser Defaults     General Ledge     Accounts Payable     Accounts Receivable     Job Costing     Subcontract Management     Dahange Management     Dahange Management     Setup     Contracts     Approve Contract     Approve Contract     Biling     Utilities     Payrol     System	System  Label Enter Contract Label Enter Contract Label Open  Cose Target Type UBRuntine Program Target Name B - Enter Contract Target Window Replace Content *	Item Properties Section (properites of selected menu item)

The Treeview Builder screen is comprised of three sections, the first two sections display Treeviews, and the third displays a selected menu item's properties.

## Source Menu - Section

The first section, **Source Menu**, contains a Treeview selected through the section's drop-down list. The Treeview in this section is used to copy menu items from in order to paste them into the Treeview being customized in the **Current Menu** section. The menus available in the **Source Menu** section are all base Treeviews. In other words, customized versions of base Treeviews, which are not Named Treeviews, are not available in this section.

## Current Menu - Section

The **Current Menu** section contains the Treeview being configured. It can be a base Treeview or a customized Treeview for a user or a UIC Group. For details about how to load the relevant Treeview for configuring, please refer to the previous *Loading & Saving Treeviews* section.

### Item Properties – Section

ITEM PROPERTIE	5				
System					
Label	Billing Rates	]			
Icon Type	🔘 Menu 🖲 Icon				
Default Item State	Open Oclose				
Target Type	UIRuntime Program 💌				
Target Name	JB - Billing Rates				<b>A</b>
Target Window	Replace Content Replace Content New Window		Create New Target	Edit Target	Assign Roles

The **Item Properties** section displays a selected Treeview menu item's properties. When a new menu item is created for a Treeview, this section is used to configure the new menu item. Menu items are either links to launch a target specified by a Target object, or they are expandable and collapsible nodes that can contain other nodes and links.

Field	Description
System	This is a display-only flag that indicates if the menu item is standard (comes with Enterprise), or if it was created by a user.
Label	Label for the Treeview menu item.
Icon Type	Select Icon type: Menu or Icon.
Default Item State	Select the items default state: Open or Closed.
Target Type	This field contains a list of all of the Target types. For the type selected through this field, the <b>Target Name</b> field will list all Targets of that type, including Targets created by users for UI Logs or Dashboard.
Target Name	For the type selected through the <b>Target Type</b> field, this field lists all Targets of that type, including Targets created by users for UI Logs or Dashboard.
Target Window	This field specifies how a Target gets displayed. If <b>Replace Content</b> is selected, the Target will be displayed using the same browser's tab, if <b>New Window</b> is selected, the Target will be displayed on a new browser tab.

The following table provides details about the fields in this section:

#### [Create New Target], [Edit Target] - Buttons

Since menu items can be links to launch targets, if you want a menu item to launch a newly created UI Log or Dashboard, a Target object must first be created for the new UI Log or Dashboard. Once the Target is created, it can be assigned to a menu item through the **Target Name** field.

The [Create New Target] button launches the screen used to create new Target objects, and the [Edit Target] button is used to edit Target objects.

For details about creating a new Target, please refer to the following subsection: *Configure Treeview > Create New Target*.

#### [Assign Roles] – Button

The [Assign Roles] button is used to assign a Security Role (standard/default path: System > Security > Roles > Define Roles) to a menu item. If Security Roles are assigned to a menu item, the menu item will only be available to members of the Security Roles.

## **Configure Treeview**

**NOTE**: When new menu items are added to upper-level Treeviews (base version), the customized versions of the Treeviews will not automatically include the new items. The new menu items would have to be added to the outdated customized version. Same goes when items are removed from upper-level (base) Treeviews.

## **Copy Menu Item from Source to Current Treeview**



One of the ways to add a menu item to the Treeview being configured is to copy a menu item from the Treeview under the **Source Menu** section, and then inserting it into the Treeview under the **Current Menu** section.

To copy a menu item, left-click the desired menu item to bring up the context menu and select **Copy**. To insert the copied menu item, left-click the appropriate menu item on the Treeview being configured, using the following details about the insert options as a guide:

**Insert Option** 

Description

Insert As Child	Inserts copied item as a child of the selected node.
<b>Insert Before</b>	Inserts copied item before the selected item.
<b>Insert After</b>	Inserts copied item after the selected item.

### Add New Menu Item to Treeview



To add a new menu item to the Treeview being configured, left-click the node to contain the new menu item to bring up the context menu and select **Add New**. A new menu item will be added to the selected node, as shown in the above-right screenshot.

Next, select the new menu item, and use the **Item Properties** section to configure the new menu item. For details about the **Item Properties** section, refer to the previous section, *Item Properties – Section*.



To move a menu item up or down the menu, left-click the menu item to bring up the context menu, then click the down-arrow at the bottom of the context menu until the **Move Up** and **Move Down** options are shown. Use the moving options as required.

## **Delete Menu Item**

CURRENT MENU V10STDMENU - v10x Defau	D Search It Treeview Enterprise Edition
<ul> <li>□ v10x Default Treeview En</li> <li>③ General Ledger</li> <li>④ Accounts Payable</li> <li>④ Accounts Receivable</li> <li>④ Subcontract Manager</li> </ul>	Add New Delete
<ul> <li>Change Management</li> <li>         ⇒ Job Billing     </li> <li>         Work Order Billing     </li> <li>              Requisitions      </li> <li>             Purchase Order         </li> <li>             Inventory         </li> <li>             Equipment Costing         </li> <li>             Preventive Maintenar         </li> <li>             Material Sales         </li> </ul>	Reset Cut Copy Insert As Child Insert Before Insert After
E Fixed Assets	

Left-click the menu item to delete, then select **Delete** from the context menu.

## **Create New Target**

ITEM PROPERTI	ES
System	
Label Nev	w Item
Icon Type 🔘 I	Menu 💿 Icon
Default Item 🔘 🤇 State	Open 🔘 Close
Target Type	
Target Name	
Target Re Window	place Content
clic	k to creat new target Create New Target Edit Target Assign Roles

The [**Create New Target**] button, found in the **Item Properties** section of Tree View Builder, brings up the Create/Edit Target screen to create a new Target. Once the Target is created, it is available in the **Target Name** field's list of values (framed in red above).

eate/Edit Tar <u>o</u>	jet					
First Target	Previous Tar	rget 🔹 Next Target 📎	LastTarget			
ARGET						
* Name Fi	ixed Assets Cust. I	Log				
* Type	JI Log	•				
Called Unit F	ASSETCUSTLOG	<b>A</b>				
External URL						
ARAMETERS						
📇 Insert Para	meter 🖽 Delet	te Parameter				
rder	Name	Data Type	Default Valu	e Block	Field	
						<b>_</b>

Sample of the Create/Edit Target screen used to create new Targets to launch programs like custom UI Logs & Dashboards.

In the Create/Edit Target screen, the values available for the **Called Unit** LOV are of the type specified by the **Type** field.

If the **Target Type** is **External URL**, the **External URL** field is used to specify a URL for an online target.

The **Parameters** section is used to provide parameters for the target, if the target requires input parameters in order to be launched. To provide a target parameter, click [**Insert Parameter**] and use the new row to detail it. Refer to the following table for details about the fields in this section:

Field	Description
Order	Specifies the order that the parameters are supplied to the target.
Name	Name for parameter entry.
Data Type	The parameter's data type (Date, Number, Varchar2).
Default Value	This field is an alternative to using the <b>Field</b> field; it can be used to provide a literal value for the selected input parameter.
Block	If a Target's screen's fields are broken into screen blocks (sections), this field lists the blocks. The block chosen here has its fields listed by the <b>Field</b> field.
Field	This is the field (column value), on the same row as the hyperlink, that will supply the value for the selected target parameter. The fields displayed in this LOV are dependent on the <b>Block</b> field. If this field is used, the <b>Default Value</b> is not used.

#### Using Relative URLs Instead of Hardcoded URLs

Using external targets with hardcoded URLs leads to problems when databases are cloned between environments. To avoid these problems, relative URLs can be used instead.

Create/Edit Target				
First Target 🔶 Previous Target	Next Target	እ Last Targe	t	
TARGET				
* Name E-Time Approval				
* Type JSP Direct Call 🔹	1			
Called Unit	<b>A</b>			
External URL				
PARAMETERS				
🛃 Insert Parameter 🛛 🚛 Delete Para	meter			
Order Name	Data Type		Default Value	Block
No data to display.				

#### JSP Program Launched via Relative URLs

Instead of setting the Target's type as **External URL**, with URLs such as the following: http://sample.cmic.com/prod/PyEtimeAppr/

http://sample.cmic.com/prod/SdMenu/?appCode=COLLAB

http://sample.cmic.com/prod/ImgMgr/imgMgrStart.do

Set the Target type to **JSP Direct Call** (as shown above), and use relative URLs like: /PyEtimeAppr/

/SdMenu/?appCode=COLLAB

/ImgMgr/imgMgrStart.do

#### **Dashboards Launched via Relative URLs**

Create/Edit Target			
K First Target 🛛 🔶 Previous Target	Next Target	🔪 Last Target	
TARGET			
* Name Resources Dashboard			
* Type Jasper Dashboard 💌			
Called Unit	<b>A</b>		
External URL			
PARAMETERS			
🖶 Insert Parameter 🛛 д Delete Pa	rameter		
Order Name	Data Type	Default V	alue Block
No data to display.			

Instead of setting the Target's type as External URL, with a URL such as the following:

http://sample.cmic.com/prod/jasperserverpro/flow.html?\_flowId=dashboardRuntimeFlow&dashboardResource=%2FCMiC\_Dashboards%2FJB\_D ashboard&viewAsDashboardFrame=true

Set the Target type to **Jasper Dashboard** (as shown above), and use relative URLs like:

/CMiC\_Dashboards/JB\_Dashboard

/CMiC\_Analytics/Project\_Management/Safety\_Issues\_Dashboard

#### ADF Static Programs Launched via Relative URLs

ITEM PROPERTIES			
System 🗌			
Label New Item			
Icon Type 🔘 Menu 🖲 Icon			
Default Item () Open () Close State			
Target Type Static ADF			
Target Name			
Target Window Replace Content 💌			
	Create New Target	Edit Target	Assign Roles

If a desired standard ADF Static program is not avialable in the **Target Name** field's LOV, click the **[Create New Target]** button to create a Target for it.

eate/Edit Targ	et				
K First Target	Previous Target	Next Target	🔰 Last Target		
TARGET					
* Name Re	sources Dashboard				
* Type S	tatic ADF 🗨	1			
Called Unit					
External URL					
PARAMETERS					
🛃 Insert Parar	neter 🛛 д Delete Param	eter			
Order	Name	Data Type		Default Value	Block
lo data to display					

To create a new Target for an ADF Static program, such as Resource Planner, using a relative URL, set the **Type** field to **Static ADF**, as shown above. For the **External URL** field, enter the relative URL, such as:

../RpResourcePlanner/faces/main.jsf?initialPage=summaryPage

#### Relative URLs with First Part of URL Matching Server & Environment Where Program Runs

Instead of using the External URL type with full URLs such as:

http://sample.cmic.com/prod/jasperserver-pro/flow.html?\_flowId=homeFlow

http://sample.cmic.com/prod/jasperserverpro/flow.html?\_flowId=viewAdhocReportFlow&clientKey=1608296072121&reportUnit=/test/SOLUTION S/Bill\_G/BG\_Opportunities\_by\_Employee&decorate=no

http://sample.cmic.com/prod/jasperserverpro/reportGenerator.html?action=displayTempReportUnit&advUri=%2Ftest%2FSOLUTIONS%2FPY\_E mployment\_History\_Query&template=&generator=&exportFormat=html&decorate=no

Use the Static ADF type, and use relative URLs like:

/jasperserver-pro/flow.html?\_flowId=homeFlow

/jasperserver-

pro/flow.html?\_flowId=viewAdhocReportFlow&clientKey=1608296072121&reportUnit=/test/SOLUTION S/Bill\_G/BG\_Opportunities\_by\_Employee&decorate=no

/jasperserver-

pro/reportGenerator.html?action=displayTempReportUnit&advUri=%2Ftest%2FSOLUTIONS%2FPY\_E mployment\_History\_Query&template=&generator=&exportFormat=html&decorate=no

## Link Menu Items to Targets

#### Link to External URL

CURRENT MENU	👩 Search	ITEM PROPERTIES		
ZA -MENU FOR TEST - TEST FOR ZOHREH	~			
TEST FOR ZOHREH		System		
General Ledger				
⊡ Setup		Label External URL		
Transactions				
Period End		Icon Type 🔘 Menu 💿 Icon		
Query				
🗄 Report		Default Item State 🔘 Open 🔘 Close		
Jasper Reports				
Utilities	/	Target Type External URL	<b>T</b>	
Copy Account				
Copy Dept/Account Security		Target Name		
Foreign Batch Import	Search and Select: Targ	etName	×	
Recalculate Balances			_	
Balance Table Verification	Search		Advanced	
Delete Batches	Markets @ All @ Arrow			Edi
Inter Departmental Clearing	Match O All O Any			Eur
Reverse/Recreate Posted Transa	App Code			
Update Transaction TAC Values	Target Name			
Print Posting Reports				
External URL	Customization Level			
Accounts Payable				
Accounts Receivable			Search Reset	
Job Costing	App Codo	FargetName	Customization Loval	
🖽 Subcontract Management	App Code		Customization Lever	
🗄 Change Management	É É	AP Executive Query	CLIENI	
	-	EXTERNAL URL	UIC	
Work Order Billing	F	PM - Communications Detail	STANDARD	
	5	SYS - Customer Support	STANDARD	
Purchase Order	5	SYS - xProjects Dashboard	STANDARD	
E Inventory	<u>c</u>	google	UIC	
Equipment Costing	, i i i i i i i i i i i i i i i i i i i	odf-2	UIC	



Sample of an External URL opened through a configured Treeview's menu item.

#### Link to Form

CURRENT MENU ZA -MENU FOR TEST - TEST FOR ZOHREH	🗖 Search	ITEM PROPERTIES				
<ul> <li>□ TEST FOR ZOHREH</li> <li>② General Ledger</li> <li>□ Accounts Payable</li> <li>③ Setup</li> <li>③ Voucher</li> <li>④ Payment</li> <li>④ Check</li> <li>④ Query</li> <li>④ Report</li> <li>④ Jasper Reports</li> </ul>		System Label FOR Label FOR Icon Type O M Default Item State O O Target Type For	M enu () Icon pen () Close n			
		Target Name AP -	Aged Payables by Job			
FORM		Search and Select: Ta	argetName			
Accounts Receivable     Job Costing     Subcontract Management		⊻ Search	-			A <u>d</u> vanced
		Match 💿 All 🔘 Any				
∃ Job Billing		App Code				
Work Order Billing     Requisitions     Purchase Order		Target Name				
Inventory     Equipment Costing     Treventive Maintenance		Customization Level				Search Reset
		App Code	Target Name		Customization Level	
			AP - 1099 Forms - Create 10	99 Media Files F	STANDARD	-
Payroll			AP - Aged Payables by Job		STANDARD	
⊞ Human Resources		4	AP - Aged Report		STANDARD	

3	Action Edit Block Field Record Query Utility Help Window
1111	━━━━━ 🖥 📾 🕼 🕼 🏹 🕆 🌾 迫 🛤 👳 🛨 🗲 🖌 🛑 🖓 🖾 + ↑ ( ) ↓ 《
General Ledger	Rest and the second secon
Accounts Payable	
	Printing Options
Voucher	
Check	Company TRHI Itreasure hill
	Pick List
Jasper Reports	
Utilities	From Job
FORM (F)	To Job
Accounts Receivable	
	Asing Data
Subcontract Management	Aging Date
🗄 Change Management	Cut off Date
Job Billing	
Work Order Billing     ■	Show Voucher Detail
	E Onte Debits he Mandar Onte and herein Onte
Purchase Order	Urder Details by Vendor Code and Invoice Code
	Show Closed Vouchers
Equipment Costing	Show, Johs with Zero Outstanding Totals
Preventive Maintenance	Print
Material Sales	

Sample of a Form opened through a configured Treeview's menu item.

## Link to JSP Program

CURRENT MENU ZA -MENU FOR TEST - TEST FOR ZOHREH	🗖 Search	ITEM PROPERTIES
TEST FOR ZOHREH General Ledger Setup Transactions Period End Query Report Jasper Reports Utilities		System  Label JSP PRogram Icon Type  Menu  Icon Default Item State  Open  Close Target Type JSP Program
Is Form     ISP Program     ISP PRogram     ISP PRogram     Accounts Payable     Accounts Receivable     Job Costing     Subcontract Management		Target Name       PY - Processing-JSP         Target Window       Replace Content         Create New Target       Edit Target         Assign Roles

e l	Payroll Processing
	Payroll Company
🖂 General Ledger	Home Company
	Pay Run 🔪 🔺
	Pav Year
Period End	Period
Query	
	From Pay Group
	To Pay Group
Form	Employee Pick List
1 JSP Program	From Employee
Accounts Payable	
Accounts Receivable	
Job Costing	Restart From Employee
E Subcontract Management	Include Employees Who Have No Timesheets
E Change Management	Internal Process (System will use external process by default if not checked)
± Job Billing	Process
T Work Order Billing	Process

Sample of a JSP Program opened through a configured Treeview's menu item.

#### Link to JSP Log



This Target Type is used to add a link to a JSP Log, such as a newly created custom JSP Log, to a Treeview that would be available via the Console v10x Tool.

**NOTE**: To add a link to a JSP Log to the PM-JSP module's Treeview, use the Menu Maintenance screen in the PM-JSP module (standard Treeview path: **File Maintenance > Menu Maintenance**)

Menu Builder				Save As Default Reset Default Menu Copy From Project Save Reset 🍃 🗈 🏫
🗘 🗉 🗉 Project Management Menu			Project	Management Menu
Search Go	Default Menu (Custom)	Current Project Menu (Custom)	ÐÐ	Item Properties
Project LG Project (LGPR011)     G     Communication Management     G     Document Management     Selvontractor Prequestilination     Bid Management     Ste Management     Ste Management     G     Ste Management     Reports     Genote     Document Management     Bid Managem	Collaboration Manager Communication Management Communication Management Communication Management Communication Weight Cost Management Communication Cost Management Communication Cost Management Communication Cost Management Communication Cost Management	Collaboration Manager Communication Manager  Communication Management  Communication Management  Communication Prequalification  Self Service  Prequalifications Control  Prequalifications Control  Prequalifications Control  Prequalifications Control  Devendent A Cost Management  Devendent A Cost Management  Devendent Logs  Cost Management  Cos		System Type URL Form Dig Discoverer Jasper Document UI Runtime Program Join Type Folder Document Target © Content Frame New Window

To add a link to a JSP Log to the selected Treeview in the **CURRENT MENU** pane, create a new Target for it using the [**Create New Target**] button.

ireate/Edit Target						
🔀 First Target 🔶 Previous Target 📦 Next Target 🔊 Last Target						
TARGET						
* Name PM - Subcontractor Tracking Log						
* Type JSP Log						
Called Unit						
External URL PMSCTRACK						
PARAMETERS						
nsert Parameter 🛛 🔁 Delete Parameter						
Order Name Data Type Default Value Block Field						
No data to display.						

For the **External URL** field, enter the program identifier, which is found by hovering the cursor over the log, as shown below:

\$∃⊎	Project Management Menu	-	
Search	Go		
🖃 🗁 Proj	ject: 1487331 (1487331)		
÷ 🍋 0	Communication Management		
👘 📥 🔂 🗖	Occument Management		
🗄 🦲 S	Subcontractor Pregualification		
🗄 🦲 B	Bid Management	=	
📥 🦰 B	Budget & Cost Management		
	Subcontract		
	Subcontract Change Orders		
	Subcontractor SOV		
	CMIC BIM 360		
- 6	Potential Change Items		
	Change Orders		
- 6	Change Transmittal		
- <u>-</u>	Request For Payment		
6	Compliance Status Log		
6	Expense Authorization		
6	Cost Status Query		
- <mark>6</mark>	Budget Status Query (Revenue)		
- <mark>6</mark>	Cost Status Query (Category)		
- <mark>6</mark>	Budget Status Query (Category)		
	PCI Projection		
	Contract Forecasting with COLD		
	PCI Markup Rules hover ov	er log	
- 6	Subcontractor Tracking Log		
	Self Billed Payment Worksheet		i de máidi e m
iavascript:	launchOuery ('PMSCTRACK')	ogram	laentifier

## Link to UI Runtime Program

CURRENT MENU	Search	ITEM PROPERTIES
V10STDMENU - v10x Default Treeview Enterprise Edition	1000	
v10x Default Treeview Enterprise Edition	<b>^</b>	System 🗌
General Ledger		
Accounts Payable		Label Employee History
Subcontract Management		ton type O herd @ ton
∃ Change Management		Default Item State 🔘 Open 🔘 Close
🗄 Job Billing		
Work Order Billing		Target Type   UIRuntime Program   🔻
Requisitions		
Purchase Order     Inventory		Target Name  PY - Employment History
Equipment Costing		
Preventive Maintenance		Target Window Replace Content
Material Sales		Grasta Nam Targat
		Create New Target Edit Target
US Payroll     Jahran Karal Payroll		
International Payroli     Human Resources		
Setup	-	
Personnel		
Employee Profile	=	
Employee History		
Education		
3	0	EMPLOYEE HISTORY
🗄 General Ledger		
Accounts Payable		SELECTION CRITERIA
		SELECTION CRITERIA
		Employee
<ul> <li>Subcontract Management</li> </ul>		* Action Change
Job Billing		Effective Date
Work Order Billing		US
Purchase Order		
		Search - Insert Record - Delete Percerd - Previous Pro
Preventive Maintenance		Delete Record The Previous Re
Material Sales		
		Personal Company Rates/Salary Address Tax
		Reason Code Effective Date Action
International Payroll		Last Name Profix
Human Resources		SSN /SIN no.
⊞ Setup		Status Code
Personnel		Work Status
Employee Profile		* FLSA Type
Employee History		Unionized
Education		Union
Memberships		Union Mem. No.

Sample of a UI Runtime Program opened through a configured Treeview's menu item.

# Add New Treeview to Enterprise Console – Quick Guide

## **Overview – Add New Treeview to Enterprise Console**

The following is an overview of the steps required to add a new Treeview to the Enterprise Console.

To add a new Treeview to the Enterprise Console, the Console v10x Tool is used. For further details about the Console v10x Tool, please refer to the *V10xTOOLS – Console.doc* user guide.

## Step 1: Add New Tab

	click to edit Console
ENTERPRISE V10X   ENTERPRISE V10   RESOURCE PLANNER   OM   PM   HCM   INTRANET   Edit Mode	///////////////////////////////////////

As shown above, click the [Edit Mode] button to switch the Console to Edit mode.

CM <i>i</i> C	Logged in as - MIKE				••			
ENTERPRISE V10X   E	NTERPRISE V10   RESOURCE PLANNE	а   ом   рм   I	HCM   INTRANET		More Edit O	ptions	Save	Save
								T
	Add Tab		*					
	* Tab Name JB Dashboard							
			ОК	Cancel				

With the Console in Edit mode, click the [+] button, as shown above, and a pop-up will ask you to name the new tab.

# Step 2: Split Region

CMiC	Logged in as - MIKE					••	•••
ENTERPRISE V10X	ENTERPRISE V10	RESOURCE PLANNER	ОМ РМ	нсм	INTRANET	JB DASHBOARD	+ - More
Edit Region Vertically Split Region Horizonta Split Region Vertically Remove Region	n Content V						

Two regions are required: one for the Treeview, and one to display the screen launched using the Treeview.

To split the region, click the [Edit Region] button, then click Split Region Horizontally.

# Step 3: Add Treeview Menu to Region

CM	Logged in as - MIKE
« ENTERPRIS	E V10   RESOURCE PLANNER   OM   PM   HCM   INTRANET   JB DASHBOARD   🛨 - Mor
Edit Region 🔻	Region Content 🔻 Edit Region 🔻 Region Content 💌
NO CONTENT	Edit Content Click Clear Content NO CONTENT

Next, in the first region, click [Region Content], then click Edit Content, and the following popup appears.

		S-MIKE	+ - Mor
	Decien Content - X		
Luic Region	Region content		
NO CONTENT		NO CONTENT	
	Content Type Menu	•	
	Menu Ty	e v10x Menu	
	Menu Descriptio	n 🔺	
	Project Sensiti	re 🗌	
	Button Mer		
	Use logs where possib	le 🗌 (?)	
		OK Cancel	

For the Content Type field, select "Menu", which causes the Menu Type field to appear.

For the **Menu Type** field, select the type of Treeview. The "**v10x Menu**" type is for ADF Treeviews, and the "**v10 Menu**" type is for Forms Treeviews.

For the Menu Description field, select the desired Treeview, then click [OK].

# Step 4: Set Second Region to Dynamic Display Region

	as - MIKE		
« ENTERPRISE V10 RESOURCE	PLANNER	M PM HCM INTRANET JB DASHBOARD	+ - More
Edit Region 🔻 Region Content 👻	Edit Region 💌	Region Content 💌	
MENU	NO CONTENT	Edit Content Click	

To create a Dynamic Display region for the Treeview, in the second region, click [**Region Content**], then click **Edit Content**.

CMiC ENTERPRISE V10X	Logged in as - MIKE	RESOURCE PLANNER	ом   рм	HCM   INTRA	NET   JB DASHBOARD	+ Mor
Edit Region 💌	>>> Edit Region	<ul> <li>Region Content</li> </ul>				
MENU	NO CONTEN	т				
	Content T	ype Dynamic Region 💌				
		Target O External				
	TargetNar	ne	<b>A</b>			
					OK Cancel	

For the Content Type field, shown above, select "Dynamic Region", then click [OK].

## Step 4: Save New Console Tab

CMIC Logged in as - MIKE			
« ENTERPRISE V10   RESOURCE PLANNER   OM	PM HCM INTRANET JB DASHBOARD	- More Edit Options Save	Save As Cancel
		and the second se	
	Save Console		
	* LevelType User		
	* LevelName MIKE		
		OK Cancel	

Finally, click [Save], and in the popup (shown above), select the relevant Level Type and Level Name, and then click [OK].

# Appendix

# How To Determine User's Treeview

Step 1: Load CMiC's Software for Target User



#### Step 2: Click Edit Mode to Launch Console Editor Tool



### Step 3: Select Relevant Console Tab

CMiC Logged in as-	Console: CONSOLE MIKEFER1	Customized by: USER MIKEFER1	••	•• •••	
ADF FORMS RESOURCE PLAN	INER OM JSP XPROJECTS HCM	INTRANET   JB DASHBOARD	/+-	More Edit Options Save	Save As Cancel
Edit Region 🔻 Region Content 👻	Edit Region 🔻 Region Content 🔻				
MENU	DYNAMIC				

Step 4: Select Region Content > Edit Content



In the Menu pane, shown above, select Editing Content to bring up the following popup.

As shown below, the popup's **Menu Type** and **Menu Description** fields display what Console is used by the current user:

CMiC 10	Console: CONSC igged in as - MIKEFER1				
ADF FORMS RESOL	JRCE PLANNER   OM JSP   XPROJECTS	HCM   INTRANET   JB DASHBOARD		More Edit Options Save	Save As Cancel
Edit Region 🔻 Region Conte	ent 🔻 Edit Region 👻 Region Content 👻				
MENU	DYNAMIC				
	Content Type Menu  Menu Type V10x Menu Menu Description CMiC Default Menu Enterpri Project Sensitive  Button Menu  Use logs where possible  ?	se Edition	2 ccl		

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# [

[Assign Roles] - Button	
[Create New Target], [Edit Target] - Buttons	

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Grant Cost Of Theorem Danael Thraneges	• -

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