

CA Plex

r7.2.1 and Refresh Pack #1

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Agenda

- Plex r7.2.1 deliverables
- Plex r7.2.1 – Upgrade considerations
- Plex r7.2.1 Refresh Pack #1 deliverables
- Plex r7.2.1 Refresh Pack #1 demo
- Q/A

Plex r7.2.1 Deliverables

- Visual Studio 2013 Upgrade
 - Plex IDE
 - WinC and WinNTC
 - .Net Client and Server
- .Net framework upgrade to 4.6
- EJB 3.x support
- Java Client Testing tool support
- Windows 10 Support
- SQL Server 2014 Support

Upgrade considerations

C++ variant

Plex IDE, WinC and WinNTC runtimes upgraded to Visual Studio 2013 from Visual Studio 2005.

Due to this compiler upgrade, it was not possible to maintain backward compatibility because of huge difference in C run-time across these compilers.

Considering this change,

- No WinC/WinNTC run-time backward compatibility.
- Run-time version string has changed to **721** from **600** to avoid conflicts between earlier release binaries. E.g. Plex binary Ob**600**lc.dll is now named as Ob**721**lc.dll.
- Regen/rebuild is required for all WinC/WinNTC objects.

Plex development environment prerequisites for C++ variant:

- Visual Studio 2013 Professional with Update 5
- Multibyte MFC Library for Visual Studio 2013

Upgrade considerations

Java, C#, System-I variant

It's not mandatory to regenerate or rebuild existing Java, C# or RPG functions. Runtime is backward compatible with existing built objects from earlier release.

Notes:

Considering Java 1.8 support - you can use 1.8 compiler to regen/rebuild the Java functions.

Considering C#, to use .Net Framework 4.6 across Plex built application and Plex runtime - require regen/rebuild.

Upgrade Plex r7.2.1 environment to latest build level

Upgrade Plex r7.2.1 to latest PTF build to not miss any fix.

- **3** PTF builds has been published.
- **1** Refresh Pack has been published recently, that contains all new functionalities.

Plex r7.2.1 – Refresh Pack #1

Refresh Pack delivers all new functionalities and is a part of the continues delivery model.

To differentiate between cumulative update (PTF) and Refresh Pack, the product's about screen displays '**Refresh Pack**' at the end of product build version.

For example, r7.2.1 (Build 24.004) Refresh Pack.

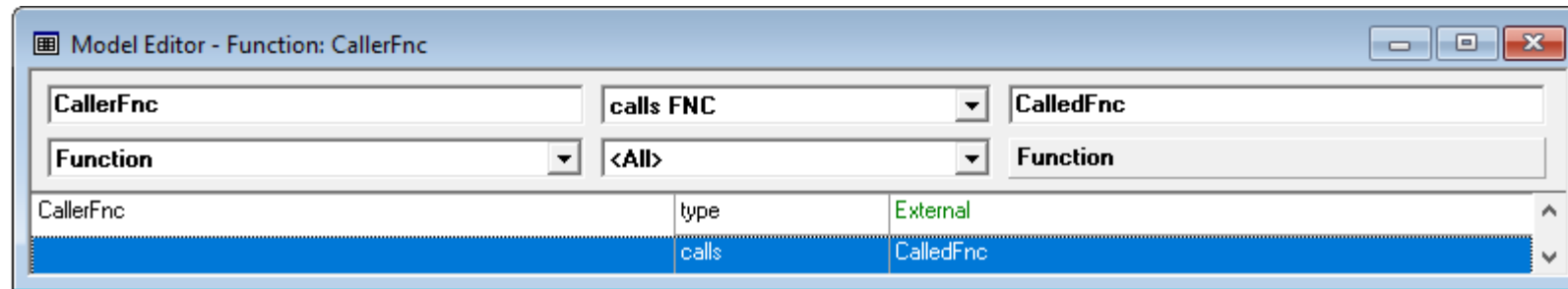
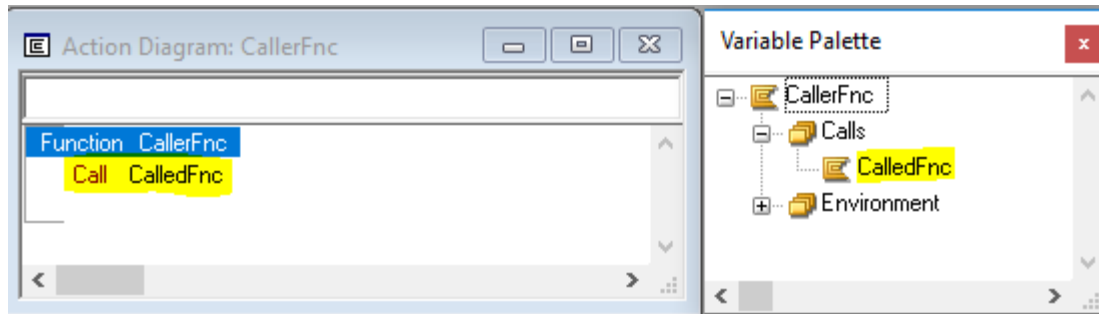
This Refresh Pack is based on Plex r7.2.1 PTF build 003,
and PTF build name is “r7.2.1 (Build 24.004) Refresh Pack”

Plex r7.2.1 – Refresh Pack #1

Deliverables...

Deliverable #1

This functionality resolves the known limitation of removing the 'calls FNC' triple manually after deleting the respective function call from Action Diagram.



Plex r7.2.1 – Refresh Pack #1

Deliverables...

Deliverable #2

This functionality enhances the tool's ability to select the entire text in source code editor with 'CTRL+A' keys.



```
Source code: [(Read-Only)]ListView.Scripts.WPFListView_Events
#events ListView Events
ListView1.ColumnClick += new AxComctlLib.ListViewEvents.ColumnClickEventHandler(ListView1.ColumnClick);
ListView1.ItemClick += new AxComctlLib.ListViewEvents.ItemClickEventHandler(ListView1.ItemClick);
#endevents

#panelmethods ListView Event Methods
// Occurs when a ColumnHeader object in a ListView control is clicked.
private void ListView1.ColumnClick(object sender, AxComctlLib.ListViewEvents.ColumnClickEvent e)
{
    if(e.columnHeader != null)
    {
        &(1).Value = e.columnHeader.Key;
        &(2).Value = e.columnHeader.Text;
        &(3).Value = e.columnHeader.Tag.ToString();
    }
    fnc.LogicalEvent("ListViewColumnClick");
}

// Occurs when a ListViewItem object is clicked or selected
private void ListView1.ItemClick(object sender, AxComctlLib.ListViewEvents.ItemClickEvent e)
{
    if(e.item != null)
    {
        &(4).Value = e.item.Key.Substring(1);
        &(5).Value = e.item.Text;
        &(6).Value = e.item.Tag.ToString();
    }
    fnc.LogicalEvent("ListViewItemClick");
}
#endpanelmethods
```

Parameters

- &(1) Column
- &(2) ColumnText
- &(3) ColumnTag
- &(4) Item
- &(5) ItemText
- &(6) ItemTag

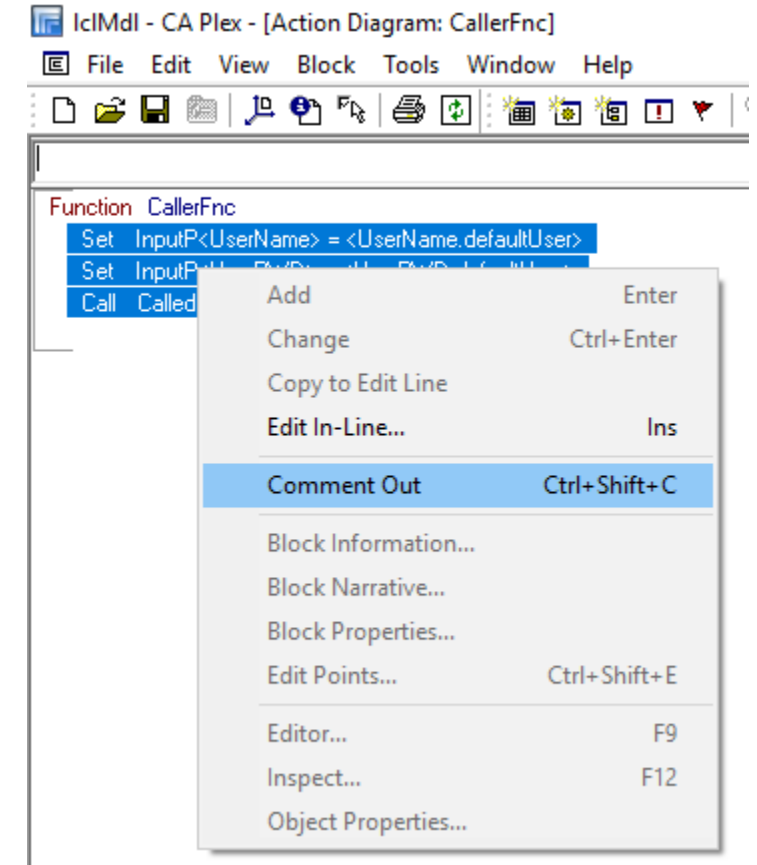
Plex r7.2.1 – Refresh Pack #1

Deliverables...

Deliverable #3

This functionality resolves the known limitation of commenting & uncommenting only single Action Diagram block within a single operation.

Now, tool extends the functionality to comment & uncomment multiple selected Action Diagram blocks within a single operation.



Plex r7.2.1 – Refresh Pack #1

Deliverables...

Deliverable #4

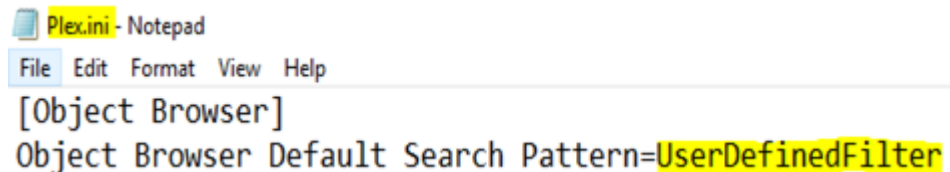
Provision to set customized search filter pattern for Object Browser default search pattern. So far this is set to star (*) that takes long time to list out all objects of selected object type while opening large models.

Set the Plex.INI option for the customized search pattern. Search pattern string supports up to 64 characters length.

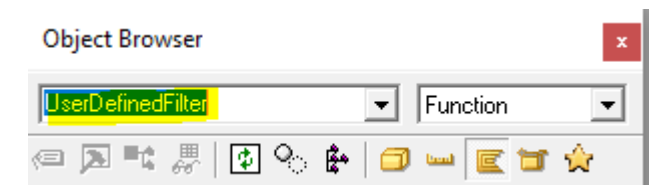
[Object Browser]

Object Browser Default Search Pattern=*

For instance, setting 'Object Browser Default Search Pattern' to 'UserDefinedFilter' value – Plex IDE initializes Object Browser filter pattern to 'UserDefinedFilter' that intern filters selected object type accordingly.



```
Plex.ini - Notepad
File Edit Format View Help
[Object Browser]
Object Browser Default Search Pattern=UserDefinedFilter
```



Plex r7.2.1 – Refresh Pack #1

Deliverables...

Deliverable #5

Provision to mark the required object(s) as your favorite object(s). This creates a list object type first time with the name '**<ModelUserName>_favList**' having no expiry date and adds favorite objects within this list object.

For quick access, a new icon  has been added in the Object Browser window which takes the user directly to a favorite list.

The 'Add to Favorites...' option is available from,

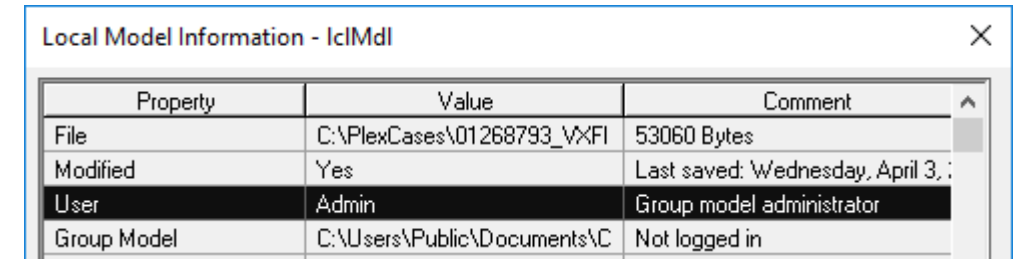
Object's context menu

Object tool menu

Plex r7.2.1 – Refresh Pack #1

Deliverables...

Deliverable #5 continued...



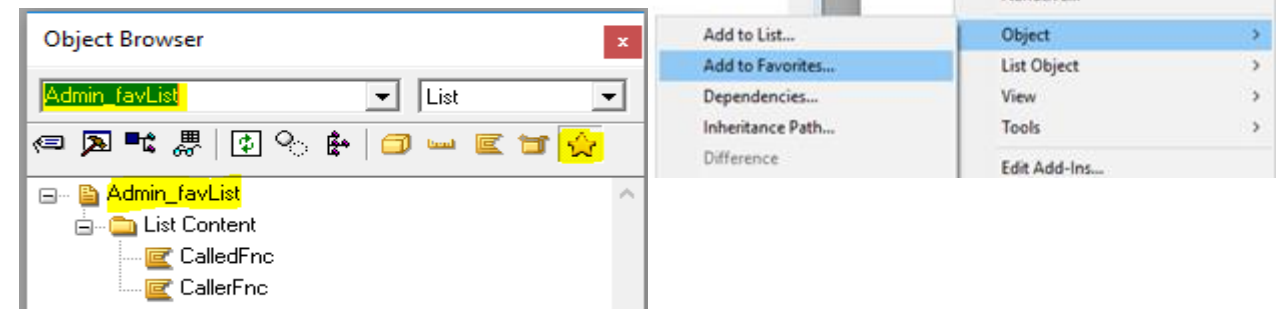
Property	Value	Comment
File	C:\PlexCases\01268793_VXFI	53060 Bytes
Modified	Yes	Last saved: Wednesday, April 3, :
User	Admin	Group model administrator
Group Model	C:\Users\Public\Documents\C	Not logged in

For instance, If the local model user name is '**Admin**' – '**Admin_favList**' list object will be created if does not exist, and all favorite object(s) will be added within '**Admin_favList**' list object.

Select desired object(s), and then use right context menu

“Object->Add to Favorites...” to add the object(s) to favorite list.

Favorite icon has been added to the Object Browser window to quickly access the favorite objects.



DEMO

Q & A



Thank You

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