ToolkitPro_v17.3.0 Issues

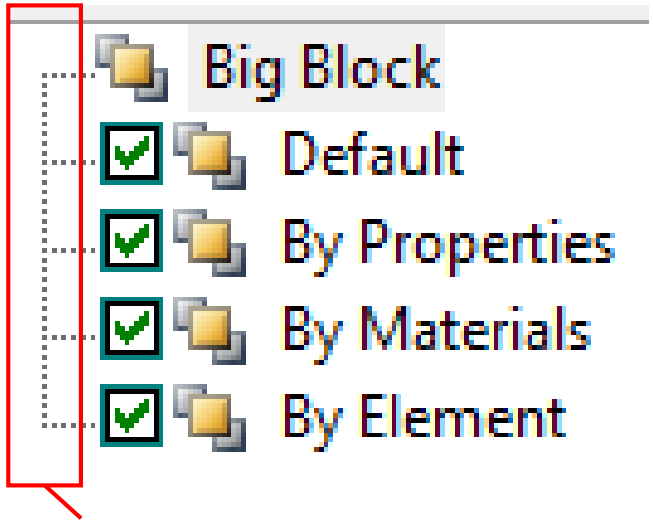
Date: 28 / 03 / 2017

Written by: Akagi

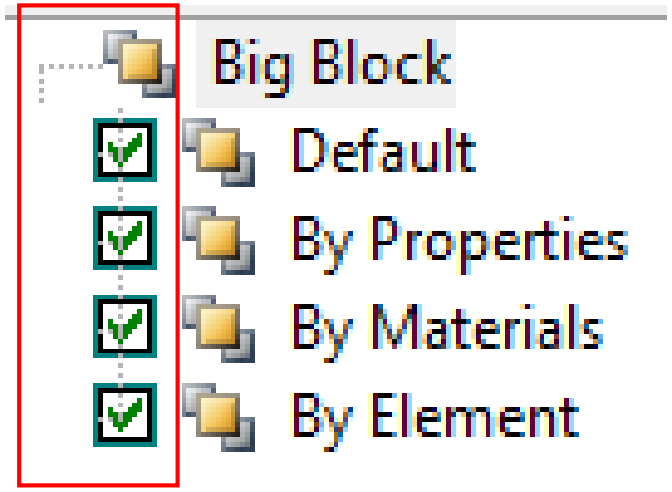
1. CXTTreeCtrlBase::SetItemState(…) (refer to XTTreeCtrlView.h for more detail): Moving the hidden line

```
HTREEITEM hItemPartSets = m_wndBlockTree.InsertItem( _T("Big Block"), 0, 0, NULL);
HTREEITEM hItemDefault = m_wndBlockTree.InsertItem( _T("Default"), 0, 0, NULL);
m_wndBlockTree.SetItemState(hItemDefault, INDEXTOSTATEIMAGEMASK(2), TVIS_STATEIMAGEMASK);
HTREEITEM hItemProperties = m_wndBlockTree.InsertItem( _T("By Properties"), 0, 0, NULL);
m_wndBlockTree.SetItemState(hItemProperties, INDEXTOSTATEIMAGEMASK(2), TVIS_STATEIMAGEMASK);
HTREEITEM hItemMaterials = m_wndBlockTree.InsertItem( _T("By Materials"), 0, 0, NULL);
m_wndBlockTree.SetItemState(hItemMaterials, INDEXTOSTATEIMAGEMASK(2), TVIS_STATEIMAGEMASK);
HTREEITEM hItemElement = m_wndBlockTree.InsertItem( _T("By Element"), 0, 0, NULL);
m_wndBlockTree.SetItemState(hItemElement, INDEXTOSTATEIMAGEMASK(2), TVIS_STATEIMAGEMASK);
```

ToolkitPro_v11.2.0



ToolkitPro_v17.3.0



Hidden Line

With the same code, V11.2.0 and V17.3.0 gave different results. Hidden line was moved to the right in V17.3.0.

Issue: CXTTreeCtrlBase::SetItemState

In CommCtrl.h (C:\Program Files\Microsoft SDKs\Windows\v6.0A\Include), 2 parameters were defined as shown below:

#define INDEXTOSTATEIMAGEMASK(i) ((i) << 12)

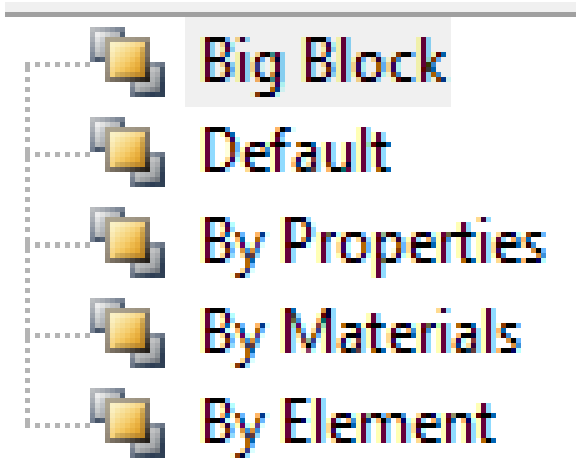
#define TVIS_STATEIMAGEMASK 0xF000

1. CXTTreeCtrlBase::SetItemState(…) (refer to XTTreeCtrlView.h for more detail): Moving the hidden line

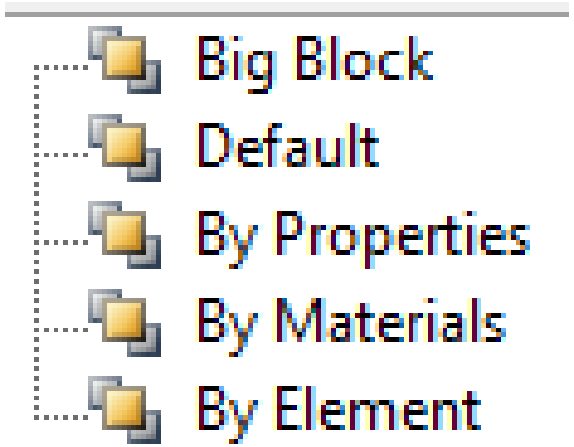
```
HTREEITEM hItemPartSets = m_wndBlockTree.InsertItem( _T("Big Block"), 0, 0, NULL);
HTREEITEM hItemDefault = m_wndBlockTree.InsertItem( _T("Default"), 0, 0, NULL);
HTREEITEM hItemProperties = m_wndBlockTree.InsertItem( _T("By Properties"), 0, 0, NULL);
HTREEITEM hItemMaterials = m_wndBlockTree.InsertItem( _T("By Materials"), 0, 0, NULL);
HTREEITEM hItemElement = m_wndBlockTree.InsertItem( _T("By Element"), 0, 0, NULL);
```

Without calling **CXTTreeCtrlBase::SetItemState**, both versions provide the same result.

ToolkitPro_v11.2.0



ToolkitPro_v17.3.0



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HTREEITEM hItemDefault = m_wndBlockTree.InsertItem( _T("Default"), 0, 0, NULL);
m_wndBlockTree.SetItemState(hItemDefault, INDEXTOSTATEIMAGEMASK(2), TVIS_STATEIMAGEMASK);
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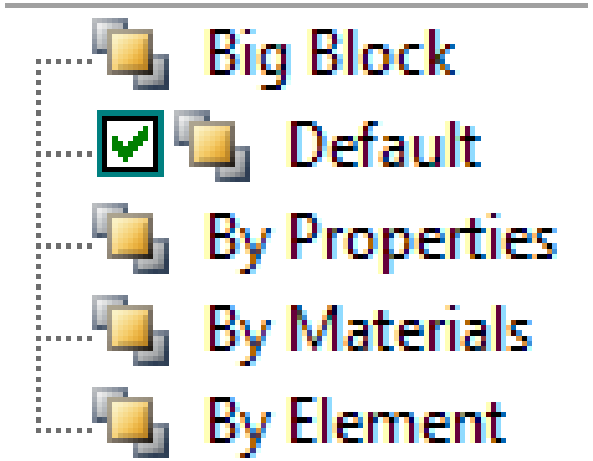
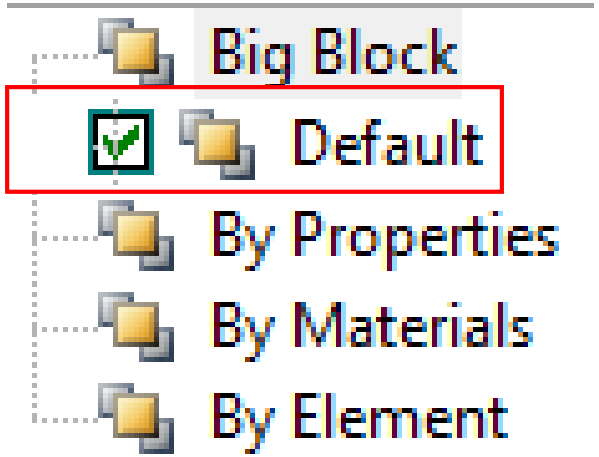
HTREEITEM hItemElement = m_wndBlockTree.InsertItem( _T("By Element"), 0, 0, NULL);
```

With calling **CXTTreeCtrlBase::SetItemState** in hItemDefault, hidden line of hItemDefault was moved to the right.

ToolkitPro_v11.2.0



ToolkitPro_v17.3.0



2. CXTTreeCtrlBase::SetItemState(…) (refer to XTTreeCtrlView.h for more detail): Item ‘s image was not updated.

```
m_wndBlockTree.DeleteAllItems();
CBXFEPartCollection* pPartCollection = pProject->GetPartCollection();
if( pPartCollection == NULL ) return;
CBXFEPartPool* pPoolPartCollection = pPartCollection->GetPartPool();
SBXFEPartPool spPart = pPoolPartCollection->GetArrays();
long numPart = spPart.size;

HTREEITEM hItemDefault = m_wndBlockTree.InsertItem( _T("Default"), 0, 0, NULL);
m_wndBlockTree.SetItemData(hItemDefault, (DWORD_PTR)pPartCollection);
for (int i = 0; i < numPart; i++) {
	CBXFEPart* pPart = spPart.arlpPart[i];
	HTREEITEM hItemBlock = m_wndBlockTree.InsertItem(pPart->GetName(), 4, 4, hItemDefault);
	m_wndBlockTree.SetItemGroup(hItemBlock, i + 1);
	m_wndBlockTree.SetGroupColor(i + 1, pPart->GetColor());
	m_wndBlockTree.SetItemState(hItemBlock, INDEXTOSTATEIMAGEMASK(2), TVIS_STATEIMAGEMASK);
}
```

With the same code, V11.2.0 and V17.3.0 gave different results. Hidden line was moved to the right in V17.3.0.

Issue: CXTTreeCtrlBase::SetItemState

In CommCtrl.h (C:\Program Files\Microsoft SDKs\Windows\v6.0A\Include), 2 parameters were defined as shown below:

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#define TVIS_STATEIMAGEMASK 0xF000

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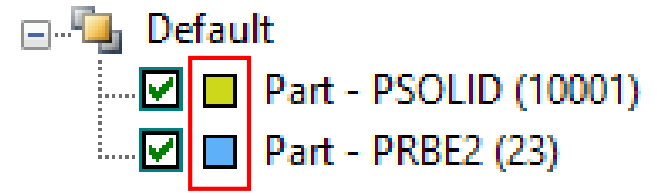
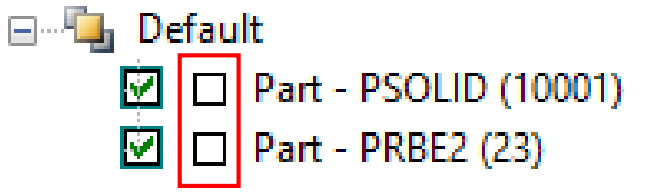


ToolkitPro_v17.3.0



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if( pPartCollection == NULL ) return;
CBXFEPartPool* pPoolPartCollection = pPartCollection->GetPartPool();
SBXFEPartPool spPart = pPoolPartCollection->GetArrays();
long numPart = spPart.size;

HTREEITEM hItemDefault = m_wndBlockTree.InsertItem( _T("Default"), 0, 0, NULL);
m_wndBlockTree.SetItemData(hItemDefault, (DWORD_PTR)pPartCollection);
for (int i = 0; i < numPart; i++) {
	CBXFEPart* pPart = spPart.arlpPart[i];
	HTREEITEM hItemBlock = m_wndBlockTree.InsertItem(pPart->GetName(), 4, 4, hItemDefault);
	m_wndBlockTree.SetItemGroup(hItemBlock, i + 1);
	m_wndBlockTree.SetGroupColor(i + 1, pPart->GetColor());
	//m_wndBlockTree.SetItemState(hItemBlock, INDEXTOSTATEIMAGEMASK(2), TVIS_STATEIMAGEMASK);
}
```
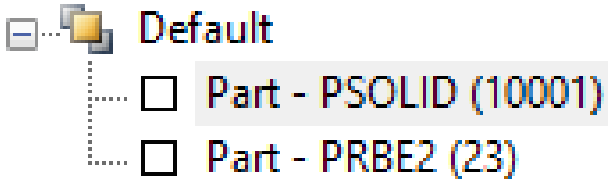
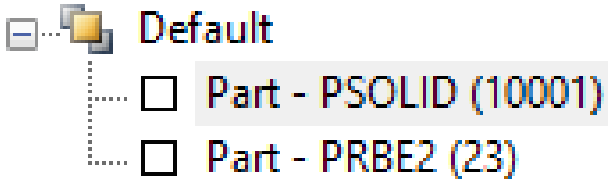

Without calling **CXTTreeCtrlBase::SetItemState**, both versions provide the same result.

ToolkitPro_v11.2.0



ToolkitPro_v17.3.0