



OBJECTS ENHAMCEMENTS

DireXions 2024

OBJECTS - NEW

OBJECT	Description
Google WorkSpace	<p>New Objects to work with Google cloud-based applications – Drive, Docs, Sheets</p> <p>Google Auth - authorize Google Workspace Objects Google Drive - object to work with Drive Google Docs - object to work with Docs Google Sheets - object to work with Sheets</p>
Example Objects	<p>Created sample objects to help with developing REST-based cloud services</p> <p>PayPal Salesforce</p>

See 'Google Workspace Objects' PDF
for more details

See 'Paypal and Salesforce Examples' PDF
for more details

OBJECTS - NEW

OBJECT	Description
*OBJ/IMAGE	<p>New object to create an image on Windows or UNIX/Linux. Supports creation of png, jpg, jpeg images.</p> <pre>imgObj=new("*obj/image","newbug.png","", "150","1500","1500") imgChn=imgObj'ImageChannel ! Set the Image Channel property to add things print (imgChn)'font("Arial",-12) print (imgChn)'text(@x(=1),@y(=300),@x(=500),@y(=350),"Squish") print (imgChn)'picture(@x(=1),@y(=500),@x(=500),@y(=1000),"bug.png",2) drop object imgObj</pre>

OBJECTS - NEW

OBJECT	Description
*OBJ/ARRAYLIST	<p>New object to create and work with an array list. An array list is a dynamically resized data structure that allows elements to be Get/Set via index. Examples of an array list are vector (c++) and arrayList (java) data structures.</p> <pre>myList = new("*obj/ArrayList") ! Create new arraylist</pre> <pre>myList.Append("Apple") ! Append some values to the array list</pre> <pre>myList.Append("Orange") ! Append some values to the array list</pre> <pre>newfruit\$="Pear"</pre> <pre>myList.Insert(1,newfruit\$) ! Insert a new element to front of list</pre>

OBJECTS - UPDATED

OBJECT	Description
*OBJ/CHART	<p>New Chart properties</p> <p>ChartColor\$ - list of colors to apply when plotting different datasets of a chart.</p> <p>NoChartDots - suppress the small dots that mark the data points on Area and Line charts when set. Plus Charts only.</p> <pre>oChart = NEW("*obj/chart" FOR PROGRAM) oChart'Fmt\$ = "2DLine" oChart'Sep\$ = "," oChart'Load("A=120,150,180,200/B=100,130,160,190/") oChart'PointText\$ = "2018/2019/2020/2021/" oChart'NoChartDots = 1 ! Set chart with no dots oChart'Draw(0, 5, 5, 20, 10)</pre>
*OBJ/OAUTH2	<p>New support for self-hosting the oAuth2 Agent</p> <p>Self-hosting may be desirable if you want to avoid relying on the PVX Plus servers being up or if you want to improve security.</p>

See 'oAuth2 Secure Web Services' PDF
for more details

OBJECTS - UPDATED

OBJECT	Description
*SECURE	<p>New Methods and Properties added to support Two-Factor Authentication</p> <p>TFA_State\$ property Two-Factor Authentication (TFA) state: Y - Enabled N - Disabled O - Optional by user</p>
Folder Object	<p>New Methods added for controlling the active tab for Sidebar folders</p> <p>GetActiveTabWidth() - returns tab width of active tab</p> <p>SetActiveTabWidth(AW) - sets width of active tab to the active width. Default is .9 wider than the active tab to make it stand out</p>

OBJECTS - UPDATED

OBJECT	Description
<p>*OBJ/EXCEL</p> <p>*OBJ/WORD</p>	<p>New properties and methods</p> <p>Keep_Visible property keeps the application active and visible when the object is dropped</p> <pre>X=NEW("*obj/excel") X'keep_visible=1</pre> <p>SetFont() method added to support various new font settings</p> <p>font\$="Arial,12, Italic" - sets the font name and size and adds italics to the text in the range font\$="Arial,10, Bold, Underline-" - sets the font name and size, adds bolding and removes any underlining</p> <pre>SetFont(font\$)</pre> <p>SetNumFormat() method for Excel sets a numeric format for a specified range of the worksheet</p> <pre>SetNumFormat(format\$,cells\$,worksheet)</pre> <p>format\$ can be a number, currency, date, etc.</p>

OBJECTS - UPDATED

OBJECT	Description
*OBJ/EXCEL	New worksheet show and hide methods for Excel WorksheetHide() hides the specified worksheet which can be made visible via menu WorksheetVeryHide() hides the specified work sheet so that it's not visible via menu WorksheetVisible() makes the specified worksheet visible
PVXDb	Added IsReadOnly option to indicate a read-only or locked element