NOMADS Panel Designer Enhancements

PxPlus 2017 (v14) & PxPlus 2018 (v15)

DireXions 2018

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Library Object Selection Interface

- New menu item: Details
 - Display a concurrent window showing pertinent information concerning the currently selected item.

Objects Options Li	ibrary Ut	tilities Views Projects Designer	iNomadi Details Qui	t
	PIUS HES LTD.	Library Object Selection	Library. C.IPVX	① — □ : \Lib_rpt\rpt.en
Object Name	Туре	Title	Revised Date	By
Border_pm	(P)	Popup Menu	2014/02/05 15:14	Len
Calcfields	(D)	Define Calculated Fields	2016/09/21 12:32	Len
Columnwidth	(D)	Column Width	2014/05/05 17:02	Len
Column_pm	(P)	Popup Menu	2007/02/27 11:15	Janer
Corner_pm	(P)	Popup Menu	2012/01/17 13:51	Jane
Customout	(D)	Custom Output Object Interface	2014/05/06 09:32	Len
Delete_def	(D)	Delete Report Definition	2014/05/05 17:03	Len
😇 Design	(D)	Report Designer	2016/09/21 12:29	Len
Designeropts	(D)	Designer Options	2017/03/15 09:34	Len
Designeroptw	(D)	Designer Options	2016/09/21 13:44	Len
🖻 Designw	(D)	Report Designer	2016/09/20 17:37	Len
🛅 Design_pm	(P)	Popup Menu	2012/01/17 13:53	Jane
Desopt_fnt	(D)	Options	2014/05/07 13:46	Jane
Desopt_gen	(D)	Options	2016/05/03 10:33	Jane



• Once invoked, the information window will continue to display for the session, until it is closed.

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2017

NOMADS Panel Designer Library Object Selection Interface

- New menu item: Details
 - Panels (Dialogues & Windows)
 - Display control names, alternate and substitute panels, and customization
 - Queries (Queries & QueryLists)
 - Display the main file, file links and columns (fields and formulas)
 - Popup menus
 - Display the top level menu items.



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🔮 Panel Info

Panel Name Design

Controls: ALIGNLEFT

BCOLOR

BOXES_13

BOXES_14 BOXES 15

🔮 Panel Info

Panel Name

Output mnu

Clipboard Custom Output

Popup menu top level

HTML document PDF document Printer

Tab delimited file Viewer

ALIGNRIGHT ALTCELLDEF APPLY

BORDEREDGE BORDERS

Substitute Panels DESIGNW \times

 \times

NOMADS Panel Designer Library Object Selection Interface

- New menu item: *iNomads*
 - Test a panel in *i*Nomads while still in the NOMADS development environment



• Starts up Ezweb Server and runs your panel

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2017

NOMADS Panel Designer Library Object Selection Interface

- Updated Utilities:
 - Import / Export All library types

<u>P\</u> ۳۵	VX Plus HNOLOGIES LTD. Export Library (0bjects to Text File	💮 <u>P</u>	VX Plus chnologies ltd.	Import Library Objects f	rom Text File	❶ – □ X
Library:	C:\pvx\lib_demo\2017\scmlib.en 🗸 📂		Import File:	c:\work\scmlib.txt			
Export File:	C:\work\scmlib.txt	Clear export file before update	Library:	C:\pvx\lib_demo\2017\scmlib.	.en	~ 🖻	
Select pane	els to export:		Select pan	els to import:			
	C:\pvx\lib_demo\2017\scmlib.en	^		c:\work\scmlib.txt			^
	🔀 <library defaults=""></library>		🖌	% <library defaults=""></library>			
	Cats_Title (Cats_title)			Cats_Title (Cats_title)			
	Chart_Sls (Sales Figures)			Chart_Sls (Sales Figures)			
	CI_Inv_Qry (Query:CL_INV_QRY)			C_Inv_Qry (Query:CL_INV_QF	RY)		
	Client_Mnt (File Maintenance for Client Master File)		· · · · · · · · · · · · · · · · · · ·	Client_Mnt (File Maintenance f	or Client Master File)		
	Client_Mnt.1 (File Maint for Client Master File (Panel 1))	· · · · · · · · · · · · · · · · · · ·	Client_Mnt.1 (File Maint for Clie	ent Master File (Panel 1))		
🖌	Client_Mnt.2 (File Maint for Client Master File (Panel 2))		📰 Client_Mnt.2 (File Maint for Clie	ent Master File (Panel 2))		
	Client_Mnt.3 (File Maint for Client Master File (Panel 3))		📰 Client_Mnt.3 (File Maint for Clie	ent Master File (Panel 3))		
	Client_Mnt.4 (File Maint for Client Master File (Panel 4))		📰 Client_Mnt.4 (File Maint for Clie	ent Master File (Panel 4))		
	Client_Qry (Client Master File Query)			📲 Client_Qry (Client Master File G	(uery)		
	Client_Qry2 (Credit Used)	~		Client_Qry2 (Credit Used)			~
Export files no	ot backwards compatible with versions prior to PxPlus 201	8 <u>E</u> xport <u>C</u> lose				<u>I</u> mport	<u>C</u> lose

New format

DireXions 2018

2018

Library Object Selection Screen

- Library Defaults
 - Re-organized with new Display and TitleBar tabs
 - Theme added to Font/Clr tab

Theme	
Expression	
SAMPLE THEME	~ 🦻

- Full Screen Drag added to Display tab
 - Default / Always On / Always Off
 - Default uses setting in %NOMADS'Full_Screen_Drag

Attributes

Full Screen Drag:

Default	~
Default	
Always on	
Always off	



Panel Designer

- Panel Header
 - Theme added to Font/Clr tab
 - Full Screen Drag added to Attributes tab
 - Default / Always On / Always Off
 - Default uses the existing default

ا 😲	VX Plus GRIPOLOGIES STD. Panel Definition	PVX Plus TromoLocas LTD. Panel Definition
	Panet: NEWPANEL	Panel: CLIENT_MNT Last update: 2017/09/01 18 53 Mike King
<u>D</u> isplay	Font Specification Font <pre></pre> Cont Cont Size: Regular	Display Attributes Size Adjustment (Incompatible
Eont/Clr Attributes	Alignment	EonVCIr Child Window Maximize Box Full Screen Drag Suppress VAL V Close Box Default
Logic	Color	Logic Menu Bar Auto Refresh
User Aids	Foreground: Default ~ Background: Default ~	User Aids Status Bar
Settings	Attributes Mnemonics heme	Nomads Status Bar Segments:
Tuepa	Bold Inverse Video ('BR') Expression Italics Underscore ('BU') SAMPLE THEME Underline All Chars. Background ('SB') Underline & 'ed Other.	LittleBar Sizing: Fixed Frame Style: Default ~ Enter = Tab: Default - Use %NOMAD_ENTER_TAB ~
	Security Notes Popup Menu QK Cancel	Security Notes Popup Menu QK Cancel

2017

Panel Designer

- Panel Header
 - Dialogue Attribute now defaults to ON
 - Background Image and Image Alignment moved to the **Display** tab (previously on **Font/Clr**)

	X Plus ● -□ × Ported Definition	PVX Plus Panel Definition
Display Font/Clr Attributes Logic User Aids iNomads Settings	Panel: NEWPANEL Attributes Size Adjustment (incompatible with Full Screen Drag) Child Window Maximize Box Child Window Maximize Box Suppress VAL Close Box Aways on Top Synchro-Lock Menu Bar Auto Refresh No Title Bar Auto Close Files Status Bar Status Bar Segments:	Panet: NEWPANEL Display Title Foxed Newpanel Attributes Foxed Logic Tag Field: Position Size Nomads Absolute Settings Line:
<u>T</u> itleBar	Parameters Sizing: Fixed ✓ Frame Style: Default ✓ Enter = Tab: Default - Use %NOMAD_ENTER_TAB ✓ Security Notes Popup Menu QK Cancel	IitleBar Panel Transparency (0 - 100%) Fixed 0 Background Image Image Alignment Widget 0 Security Notes Popup Menu QK Cancel



Panel Designer

• Folders



• Adjustable Height for Sidebar Folder Tabs

	CPIUS Locas Lito	Tabs/Folder Properties	● – □ ×	A cite Melatore	and fee burning Unerdea		
Iabs	Name: FOLDER	Preview Shipping		G File Maintena	Invoice Numbe 100 Client ID: 505	0000 🔍 🔁 14 4 🕨 🕅 5879 🔍 🖋 McMullen Trucking	
Eont/Clr Display	Tabless Folder Position: Left Sidebar Widt: 12 Height 350 Utset 000 Utset	Fixed Top(Botom Ine Popersion		Shipping Payment	Address: Address: City: Zip Code / Area Code:	4081 Emerald Route Suite 74 Gerlach Mill X00 0P1	
	Properties	Size Widt: 89.00 () Height 17.75 ()		Details	State / Province: Country:	NU Q Canada	Exit
	Security	QK	Çancel				

- Global setting
 - %NOMADS'SidebarFolderTabHeight=N
- Individual Folder setting
 - Specify Height on Display tab for all tabs on folder
- Will calculate to fit if too big
- If not specified, default is 2.5 lines

Panel Designer

- Folders
 - Auto Advance
 - Determines if focus will automatically advance to the next folder when tabbing *forward* from the last control on a folder
 - Set globally using %NOMADS'FolderAdvance
 - 0 = Advance to main panel
 - 1 = Advance to next folder tab
 - 2 = Advance to first control on the next folder
 - Settings in Tabs Definition for specific folder:
 - Default Based on the %NOMADS'FolderAdvance setting
 - Off Advance to main panel
 - Advance to next folder tab
 - Advance to the first control on the next folder



Panel Designer

- Fonted Text Control
 - Extended alignment
 - Horizontal and vertical alignment

🤀 Alignment			×
Left Justify	Left Top	Left Middle	Left Bottom
Center	Center Top	Center Middle	Center Bottom
Right Justify	Right Top	Right Middle	Right Bottom



Panel Designer

- ReportView ListBox
 - Hotlink Columns



• Displayed using colored text which is underlined when hovering

Invoice #	Invoice Date	Due Date	Date Paid	Amount	Тах
109629	23 May 2016	20 Jun 2016		\$1,386.25	180.21
<u>106970</u>	21 May 2016	18 Jun 2016		\$843.75	109.69
108458	05 May 2016	02 Jun 2016		\$238.75	31.04

• Can be used to invoke drill-down logic based on the column clicked.

Panel Designer

- ReportView ListBox
 - Hotlink Columns
 - Text color determined by setting 'OPTION'("StdLvueHotlinkClr",color\$)
 - Column defined as *Hotlink* in **Format Definition**

PVX Plus Technologies ltd.					Report V	iew Format [Definition				•	
Title	Width	Alignme	ent	Bitmap	Hotlink	UpperCase Sort	Column Sort)ate ormat		Insert <u>A</u> bove	
Fixed= Invoice #	 Fixed= 10.00	 Left	*		5		None -	DM	Υ·		Insert Below	
Fixed= Invoice Date	 Fixed= 13.00	 Left	-		F		Date -	DM	Y	•		
Fixed= Due Date	 Fixed= 13.00	 Left	•				Date -	DM	Y	-	Delete	
Fixed= Date Paid	 Fixed= 13.00	 Left	-				Date -	DM	Y			
Fixed= Amount	 Fixed= 12.00	 Right	-				None -	DM	Y ·	Î	Up	
Fixed= Tax	 Fixed= 8.00	 Right	-				None -	DM	Y		to a second to the second	
		 Left	+				None -	DM	Y	. 4	Down	

- Add logic to When Entry is Selected from List Box
 - Use 'ColumnClicked property to determine column
 - E.g. IF invoices.ctl'ColumnClicked=1 THEN

Panel Designer

- Grid Presets
 - New Properties:
 - HdrBackColor\$
 - HdrTextColor\$
 - HdrFont\$

	A7	5					
	Inve Clie	bice Numbe 100002 ent ID: 890036	🔍 🗟 🚺 4 🕨 🕅	lies			
Shipping	🗖 si	how Product Info					
Payment		Product	Item Description	Price	Qty	Amount	^ {
. ajinom	1	VAN-1125-VIO	Camper Van - Violet	8.50	25	\$212.50	
Details	2 CAR-3310-RED		Compact Sedan - Red	8.75	5	\$43.75	
Details	3	SUV-2410-YLW	City Car SUV - Yellow	9.50	5	\$47.50	
	4	CAR-4214-RED	2Dr Sedan - Red	10.25	5	\$51.25	
	5	VAN-4111-ROS	Panel Van - Pale Rose	9.25	10	\$92.50	
	6	CAR-4413-SEA	4Dr Coupe - Seagreen	8.50	5	\$42.50	
	7	VAN-2121-BUR	Transport Van - Burgundy	9.00	10	\$90.00	
	8	SPR-1214-PNK	Sports Car - Fuschia	12.50	25	\$312.50	
	Q	TRK-1113-I ME	Pickup Truck - Lime	8 25	1	\$8.25	~
	Line	es: 11		Net Invoice:		\$913	75
			<u>W</u> rite	<u>D</u> elete	<u>C</u> I	ear	E <u>x</u> it

Consistent with list boxes



NOMADS Panel Designer Input Controls

Ignore Change Flag Attribute

- 2017
- Added to CheckBox, Radio Button, Multi-Line, Listbox, DropBox, Grid and Chart controls

	X Plus NOLOGIES LTD.	Check Box Prop	❶ — □ × erties
	Name: NOEXPORT Class:	Preview	no export
<u>D</u> isplay	Attributes		
Eont/Clr	 Tab Stop Auto Tab Skip 	Tri-state Check Box Enable Scrolling	Underscore Flat - No Border
<u>A</u> ttributes	Initially Disabled	Flat Button	Transparent
<u>V</u> alues	 Initially Hidden Button to the Right of Text 	Bitmap Button Sticky Button	Drop-List Button Ignore Change Flag
Logic	Numeric Hover Cursor	Hover Color	System Tray
<u>U</u> ser Aid	User-Defined Tag Field		

- Prevents the NOMADS
 CHANGE_FLG from
 being incremented
 when a control undergoes ON_CHANGE
 logic
 - Turns on the CtIName.NOCHANGE variable (i.e. =1)

Panel Designer

- COM Control
 - New type of COM Control *BROWSER
 - Chromium Browser
 - Built into PxPlus (nothing extra to install)
 - Easy to use for loading and interacting with web sites
 - Usage is similar to Internet Explorer (Shell.Explorer)
 - Shares the most common properties, methods and events
 - Drop-in replacement for IE
 - Not prone to version changes
 - Web standards compliant



Panel Designer

COM Control - *BROWSER

	X Plus Iologies Ltd.			СОМ	Control Prop	erties		1	×
	Object <u>N</u> ame: C <u>O</u> M Control:	BROV *brow	vser 🖥	Alterna	ate control name	es to lo	ad at runtime if p	orimary not fo	yunı
<u>D</u> isplay	Objects			<u>ActiveX C</u> <u>PVX Plus</u>	m Browser Controls Controls				_
<u>P</u> roperties	BROWSE	R	Item Col	Type Num Str	Current Value	Ex	p Value/Expre	ssion /	^
	•		Cols	Num Str	0	Г	1	_	
Logic			Document	Obj	<obj> 3200100</obj>)1]		
			ExecJS()	Meth]		
			GoBack()	Meth]		
			GoForward()	Meth]		
			Height	Num Str	0]		
			History	Ohi	-Ohis 2000100	10	1		~
			Event		Function	Log	ic		
			BeforeNavigate2		Ignore	-			
			DownloadBegin		Ignore	-			
			DownloadComplete	Э	Ignore	-			
			TitleChange		Ignore	•			
									_
									—
	<u>G</u> roups						<u>о</u> к	<u>C</u> ancel	

Panel Designer

COM Control - *BROWSER
 Shell.Explorer
 Chromium



What's New in NOMADS

Panel Designer

- COM Control *BROWSER
 - Used by NOMADS browser interfaces
 - Google Maps, TinyMCE HTML Editor, Non-native Charts, IDE Help, Ed+
 - For more details on *BROWSER see the Web Browser Control PDF.

Panel Designer

- Embedded Panels
 - Embedded Panel Properties
 - Controls on the embedded panel are displayed when panel selected
 - Duplicate controls detected when embedded panel assigned
 - User-Defined CTLs now supported
 - Embedded panel controls included in Dependency Definition of main panel





Panel Designer

- Embedded Panels
 - Embedded panels included in tabbing sequence
 - Controls on embedded panels are grouped together in tabbing sequence
 - Tab Stop Assigned
 - Embedded panel controls inserted into sequence of main panel at the assigned tab stop
 - Tab Stop Not Assigned
 - Legacy behavior
 - Embedded panel controls placed in tab sequence based on location of embedded panel on main panel



Panel Designer

- Menu Bar Definition
 - Check for *Menu Bar* attribute on panel when saving a menu bar definition



Quit PVX Plus TECHNOLOGIES LTD.	Menu Bar Definition for M	❶ — □ × IAIN		
Save Delete Menu New Item New Group Menu Delete Link	Image: CopyImage: Cop	Suppress Help Text/Edge Color	Set Header Menu Bar Attribute?	×
Groups 	Contents Of <top level=""> Item &File &Edit</top>	Type Group Group	The Menu Bar Definition has been updated but the pane header record does not have the 'Menu Bar' attribute set Would you like to set the 'Menu Bar' attribute?	el L
≧ &View È &Help	&View &Help <end items="" of=""></end>	Group Group Group	Yes No	

Panel Designer

- Info Tips
 - Easier to create HTML Info Tips
 - Create HTML Info Tips using the TinyMCE HTML editor





Panel Designer

- EZ Load Multi-Lines
 - Multi-line auto-loads based on the value of another control or variable







- Similar to Smart Multi-lines in function
 - Easier to define One stop definition

le information			
Lookup Table:	Sales Rep 🔍 🕅	Identify the lookup	
Table Key:	SalesrepKey: Sales Rep Code 🗸 🕕	file to read, set up	Load Options
Key Expression:	SALESREP\$	access the target record, and specify the value	🖌 EZ Load
Display Field:	Name\$ (Name) ~	to display.	
Controls BALANCE\$ BTN_SALESREP CREDITLIMIT\$ FOLDER_TAB_15 FOLDER_TAB_25 PAYMENTTYPE5	Add Control	Trigger Variables initiate the load logic when they change. (Required for EZ Load multi-lines)	Available in base
	Read Fails		product
ext to Display if			



Panel Designer

- Testing Substitute and Alternate Panels
 - Originally:
 - When editing a panel, testing involved the panel being edited only
 - To test Alternate or Substitute panel logic, you had to back out to the **Library Object Selection** screen
 - Now:

NOMADS+ Toolbar

Test using Alternate/Substitute Panels

Help

 If Alternate or Substitute panels are associated with the panel being edited, a Test using Alternate / Substitute Panels check box is displayed



- Indicator that Alternate or Substitute panels are defined for the panel
- Allows you to enable/disable Alternate/Substitute
 panel logic when testing

Panel Designer

- Designer Summary Screen
 - Panel Details menu item
 - Alternate Panels
 - Dependencies
 - Drag and Drop
 - Groups
 - Menu
 - Substitute Panels
 - User CTLS
 - Visual Classes
 - Titles are clickable
 - Direct access to utilities

2018	3
🔮 Panel Details — 🗆 🗙	
 Alternate Panels INV_MNT.P/INV_MNT.P Dependencies 	
 clientid\$="" Drag And Drop (None) 	
Groups BUTTONS: button_1, button_2 FIELDS: clientid	
 KEY1: invoicenumber Menu (None) 	
 Substitute Panels (None) User CTLs 	
 (None) Visual Classes BITMAPBUTTON: button_11 FOLDERTABS: folder 	

Custom Title Bars

- Custom Title Bar
 - Customize the look and feel of your application by designing your own title bar

Product Code: CA	R-1321-CYI 🔍				
Product Description:	Safari Jeep - C	yan			
Price:	9.25				L
Quantity on Hand:	210				
Standard Cost	6.94			6	
Year-to-date Sales:	3,616.75	Items sold: 39	1		
Prior Year Sales:	15,086,75	Items sold: 163	1		

- Can contain logos, text, shapes, controls, logic
- Can suppress the Windows title bar
- Create your own System Menu, Minimize, Maximize/Restore and Close buttons and put them wherever you want



Custom Title Bar

- NOMADS only feature
 - *i*Nomads uses a Template to do this (and more)
- For more details on designing, creating, assigning and displaying custom title bars see the Visual Classes and Themes PDF

NOMADS Panel Designer The Designer

Library Bulk Edit

- Library Bulk Edit Utility
 - Apply changes simultaneously to multiple panels in multiple libraries
 - Select control types
 - Set up filters
 - For more details see the What's New in the Toolset PDF

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PVX Plus

ilter:	Fonted Text Search Expression Case-sensitive Is not							
elected Controls			Properties to Edit					
C:\PVX\Lib\	_demo\2016\scrnlib.en	^	Property	Value				
- CHART	SLS - Dialog		•	Coordinates				
FON	TED_TEXT_1 - Chart Types:	Height	As is					
E-CLIENT	MNT - Dialog	Width	As is					
	d_text_0 - Client ID:	٥	Attributes					
CLERN T_MR1.1-Vindow FONTED_TEXT_1 - Name: GoNTED_TEXT_10 - Contact Name: FONTED_TEXT_2 - Address:			Initially Hidden	As is	•			
			٥					
			Background	As is				
- A FON	TED_TEXT_3 - Address:		Foreground	As is				
	TED_TEXT_4 - City:		0	Other				
	TED_TEXT_5 - Zip code/Postal Code:		Visual Class	As is				
- A FON	TED_TEXT_6 - State / Province:		iNomads Class	As is				
- FON	TED_TEXT_7 - Country:							
FON	TED_TEXT_8 - Phone Number:	~						
		>						
Collanse	Reset Select All				Clear Properties			



Additional Resources

The help link(s) below refer to the current on-line help pages. The functionality may have been further updated since the PxPlus 2018 (version 15) release.

- <u>Library Object Selection Details</u>
- <u>Library Object Selection -</u> <u>iNomads</u>
- <u>Library Import/Export</u>
- <u>Library Defaults</u>
- Panel Header
- Folder Controls
- Fonted Text Control
- <u>Report View List Box</u>
- Grid Presets
- <u>COM Control</u>

- <u>Embedded Panels</u>
- <u>Menu Bar</u>
- Info Tips
- EZ Load Multi-Line
- <u>Alternate Panels</u>
- <u>Custom Title Bars</u>
- Library Bulk Edit