IDE AND PROJECT ENHANCEMENTS

DireXions 2024



IDE



CURRENT IDE

IDE MAIN LAUNCHER

Switch between
 Enhanced and Standard
 IDE

ENHANCED IDE

- Online Help
- Configurable Ribbon Toolbar and Folders

STANDARD IDE

- May still be used with no internet connection
- Uses less desktop space





CUSTOMIZABLE RIBBON TOOLBAR



TOOLBAR BUTTONS

- Define up to 10 buttons for commonly accessed tasks
- Drag tasks from IDE Menu or use Toolbar button
- Last Library task present after installation but can be deleted

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1	LAST_LIB	Last Library	!32X32/Objects/Books	LE Move Do
2	PROJ_LIB	Open Proj. Lib	!32X32/Folders/Green	
3	LIB_BULK_EDIT	Library Bulk Edit	!32X32/System/Control_Panel_Access	Delete R
4	DATA_DICT	Data Dictionary	!32X32/Wordpro/Underle_Dictionary	
5	VIS_CLASSES	Visual Classes	!32X32/Wordpro/Page_Gear	
6				
7				
8				
9				
10				

CONFIGURABLE FOLDER TABS

🗔 Toolbar	🦈 Folders	🔍 Find 🙆 H	Home 🗸 Ba	ack [Forward	参 Refresh
Help	PVX Plus	Blog TO	CBC N	lews	
			PLUS		*
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FOLDER TABS

- Help tab cannot be deleted
- Folders button allows up to 9 other tabs to be defined with a Tab Name and a URL
- Chromium Web Browser control

🔮 Mai	intain IDE HTML Tabs		_		\times
IDE H	TML Tabs				
Tab#	Tab Name	Tab URL	1 Te	Move	Up
1	Help	https://manual.pvxplus.com	18	Move D	own
2	PVX Plus	https://pvxplus.com	~	NIOVED	own
3	Blog TO	www.blogto.com		D <u>e</u> lete I	Row
4	CBC News	https://cbc.ca/news			
5	~				
6	PxPlus Forum				
7	Forum KSS Feed				
8					
9					
10					
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NEW POPUP MENU OPTIONS





POPUP MENU

- Right-click Popup Menu on Menu panel of IDE
- Enhanced IDE has Add to Toolbar option
- Standard IDE has Show Task Help
 option
 Insert Task

Insert Task on <u>M</u>enu Delete Task

Show Task <u>H</u>elp

TOOLBAR BUTTONS

- Right-click Popup Menu on Toolbar Buttons
 - Delete from Toolbar
 - Maintain Toolbar

IDE MENU BAR

ONLINE UPDATES

 In the IDE top menu Update changes to *Update* when an online update is available for the installed PxPlus version



ONLINE HELP

• Launches full online **PxPlus Reference Manual** from our website

WEB IDE (INOMADS)



IDE MAIN LAUNCHER (WEB)

- IDE Launcher now uses the same Enhanced IDE panel
- iNomads Template uses Hamburger menu
- Some tasks that will not function or do not apply to an iNomads environment are suppressed

NEW IDE TASKS

GRAPHICAL APPLICATION BUILDER (NOMADS)

- Open Project Application Library
- Panel Definition (not on Web IDE)
- Query Definition
- Menu Bar Definition
- File Maintenance Generator
- Maintain NOMADS Environment
- Setup
 - Copy Theme

DATA MANAGEMENT

User Reserved Words Maintenance

VIEWS

• Data Source Wizard

SECURITY

• OAuth2 Client Maintenance

INSTALLATION AND SETUP

• System Analysis

WEB DEPLOYMENT

- Install Webster+ (not on Web IDE)
- Launch Webster+ Using EZWeb (not on Web IDE)
- Webster+ Desktop Configuration



PROJECTS



WHAT IS A PROJECT?

PROJECT OVERVIEW

- A method for organizing and managing the various tasks used in the development of business applications
- Defined by a project Directory

WHY USE PROJECTS?

- 1. Always in the proper environment
 - IDE tasks change to the project Directory and attempt to run a start_up program before spawning the task
- 2. Provides easy access to tasks (programs, panels, etc.) via the IDE History or Project tabs
 - <u>Adding Tasks to Projects</u>
 - <u>Project Maintenance Utility</u>

IDE TABS

HISTORY

- Rolling list of the last 25 tasks ٠
- Favorites at the top ٠



PROJECT

 Tasks added to project organized by type for easy access

Ιοοί Γιρ	Projects
Task Type Icons	
 Dialog Window Popup Menu Query Program Report Data File Data Dictionary Library HTML Editor 	
	1



PROJECTS NOW SURVIVE UPDATES

PRIOR TO PXPLUS 2023

- Project data was stored in PxPlus data files in *plus/proj directory
 - WKIDS.DAT (Project data)
 - WKSEQ.DAT (Project contents)
- Project data was lost each time a new version of PxPlus was installed
- Project Location panel was developed to move the files to an alternate location and replace original files with link files

SINCE PXPLUS 2023

- Project data now stored by user in .ini text files outside of the PxPlus installation
 - projects.ini (Project data)
 - Individual settings (.prj) files (Project contents)
- Project data is now unaffected by a new PxPlus install
- Different settings may now be defined for each project

DEFAULT PROJECT

DEFAULT PROJECT

- Created the first time the IDE is run if it does not already exist
- Cannot be deleted
- Uses the current PxPlus directory as the project Directory
- Can be the only project defined
- Uses nomads.ini as Settings File

🔮 Edit Project	— 🗆	×
Project:	Default	\sim
Name:	Default	
Directory:	C:\PVX Plus Technologies\PxPlus	2
Settings File:	nomads.ini	
Title Bar Color:	Default 🧐	
Prefix File:		2
Default Library:		2
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May need updating after a new version is installed now that Project information survives updates

SETTINGS BY PROJECT

SETTINGS SAVED BY PROJECT

- IDE
- NOMADS System Defaults
- Library Object Selection
- NOMADS Panel Designer
- *IT (Integrated Toolkit) & Ed+ Editor

- Report Designer
- Port Numbers
 - EZWeb Server
 - Webster+ Installation
- Database Information
 - Bulk Database Export Utility
 - Database Import Utility
- Copying a project will also copy the settings

• HTML Editor

IDE MENU

<u>Projects</u> <u>M</u> enu <u>U</u> pdate	<u>A</u> bout	<u>S</u> upport	<u>O</u> nline Help	<u>R</u> elease Notes			
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Edit Project	US				PxPlus 2024 IDE : DEMO 2024		
Delete Project	S LTD.						
Copy <u>P</u> roject	_			_		_	
Project Maintenance							
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IDE MENU OPTIONS

- Create Project (or New Project button)
- Edit Project (or Project hyperlink)
- Delete Project
- Copy Project
- <u>Project Maintenance Utility</u>
- Project Location removed

CREATE PROJECT (2019 VS. NOW)

CREATE PROJECT DIALOG

😗 Create P	roject X
Create a l	New Project
Name:	
Directory:	C:\PVX Plus Technologies\PxPlus 2019 Upd 2 🛛 📄
Access:	Private ~
	<u>O</u> K <u>C</u> ancel

🔮 Create Project				×
Create a New F	Project			
Name:				
Directory:	C:\PVX Plus Technologies\PxPlus			E
Settings File:				
Title Bar Color:	Default	-		
Prefix File:				
Default Library:				F
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- Added Settings File, Title Bar Color, Prefix
 File and Default Library options
- Removed Access drop box

THE SETTINGS FILE

SETTINGS FILE

- Used to store project contents and project specific settings
- Defaults to Project Name + ".prj" but can be changed
- Can be shared between projects (i.e. nomads.ini)

🔮 Edit Project	— D X
Project	Demo 2024 ~
Name:	Demo 2024
Directory:	C:\PVX Plus Technologies\PxPlus\lib_demo\2024 🛛 😁
Settings File:	demo_2024.prj
Title Bar Color:	Default 🧐
Prefix File:	
Default Library:	C:\PVX Plus Technologies\PxPlus\Lib_demo\2024\sc 🛅
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TITLE BAR COLOR

TITLE BAR COLOR

- Helps to identify the current project
- Default is Light Gray

тесни	OLOGIES LTD.		Data [Dictionary I	Maintenance				
New File	Update Cop	Rename Delete Bulk Edit	Define Keys Define	IO Procedure	Export Import	Q Data	Print C	Export Import	File Splitting
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Info	Physical File	Edd Banks det					File Type		
Elements	rixed	 Meyteska.dat 				-	140310110		
	Options								
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Projects	Menu	Update	About	Support	Online Help	Release No	otes		
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BRIDGING THE PAST AND THE FUTURE

🔮 Edit Project	— 🗆 X
Project	IDE ~
Name:	IDE
Directory:	C:\PVX Plus Technologies\PxPlus\Lib_ide 📄
Settings File:	ide.prj
Title Bar Color:	Light Cyan 🧠
Prefix File:	
Default Library:	C:\PVX Plus Technologies\PxPlus\Lib_ide\ide.en
	<u>Q</u> K <u>Cancel</u>

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THE PREFIX FILE

OPTIONAL PREFIX FILE

- Specify Search rules in keyed file
 - PREFIX Directive
 - <u>Creating the Prefix File</u> (databases)
- If a prefix file is defined and not set in the start_up program, code executes <u>PREFIX FILE</u> command when any task is spawned

🔮 Edit Project	— 🗆	×
Project:	IDE	~
Name:	IDE	
Directory:	C:\PVX Plus Technologies\PxPlus\Lib_ide	
Settings File:	ide.prj	
Title Bar Color:	Light Cyan 🧐	
Prefix File:	prefix_file_name	F
Default Library:	C:\PVX Plus Technologies\PxPlus\Lib_ide\ide.en	F
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PREFIX FILE prefix_file\$

DEFAULT LIBRARY

🔮 Edit Project	- 0	×
Project	IDE	\sim
Name:	IDE	
Directory:	C:\PVX Plus Technologies\PxPlus\Lib_ide	
Settings File:	ide.prj	
Title Bar Color:	Light Cyan 🧐	
Prefix File:		F
Default Library:	C:\PVX Plus Technologies\PxPlus\Lib_ide\ide.en	F
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OPTIONAL DEFAULT LIBRARY

- Defines the library to be opened in Library Object Selection when using the new Open Project Application Library task
- Other new tasks added to IDE all default to using the project Default Library
 - Panel Definition
 - Query Definition
 - Menu Bar Definition
 - File Maintenance Generator



NEW HTML TASK TYPE

HTML TASK TYPE

- Added HTML Editor task type for the History and Project tabs
- HTML pages can now be added to projects from the Project Maintenance Utility, Popup Menu on IDE History tab or the HTML Editor IDE task

Task Type Icons



Document Edit Insert View Format Table Help Image: Second secon	
E Ξ Ξ ½ × Ξ × Ξ ≤ Webster Shortcodes × Webster Preview	

OTHER PROJECT ENHANCEMENTS

CREATE NEW PROJECT BUTTON

• Added to IDE



NOMADS PANEL DESIGNERS

• Project displayed in all designers (if set)

INOMADS - Panel: Product Library: C:\PVX Plus Technologies\PxPlus\lib_demo\2021\Data\Scrnlib.En	- 🗆 X
Panel Edit Controls Options Utilities Sizing Projects iNomads Panel Details Wiki Info Help Quit Project: Demo 2	021
NOMADS+ Toolbar	Suppress Groups 🔻 🕕 Help

ACCESS TO FILE MAINTENANCE GENERATOR

 Accessing a NOMADS File Maintenance generated panel from History or Project tabs can also launch the Generator

