IDE AND PROJECT ENHANCEMENTS

DireXions 2024

IDE

CURRENT IDE
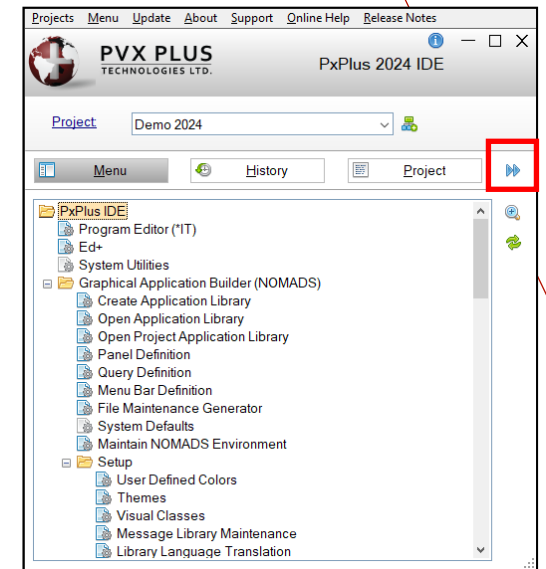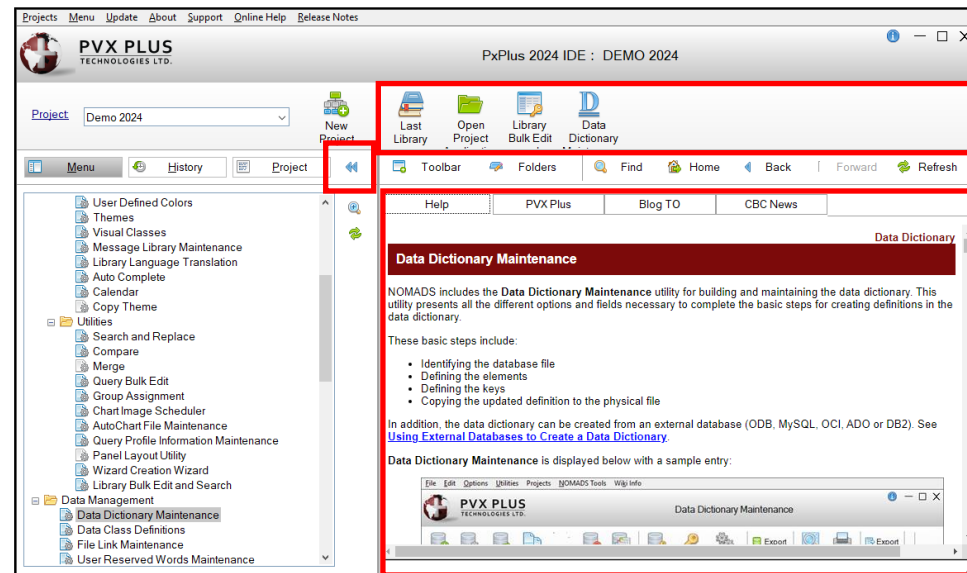
IDE MAIN LAUNCHER

- Switch between *Enhanced* and *Standard* IDE
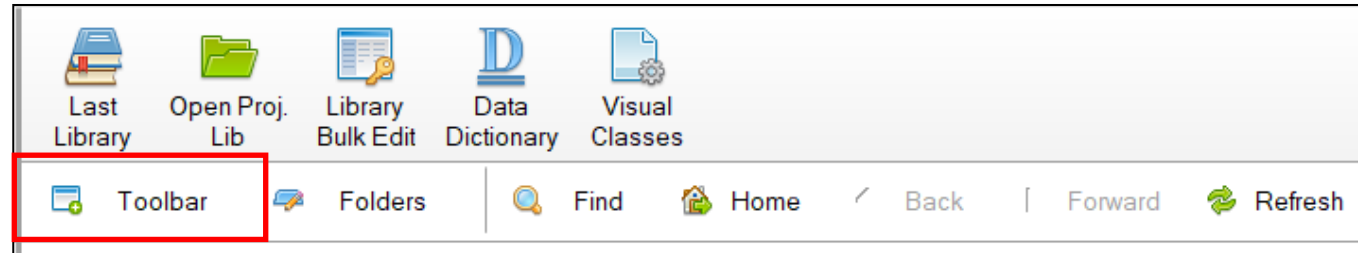
ENHANCED IDE

- Online Help

- Configurable Ribbon Toolbar and Folders

STANDARD IDE

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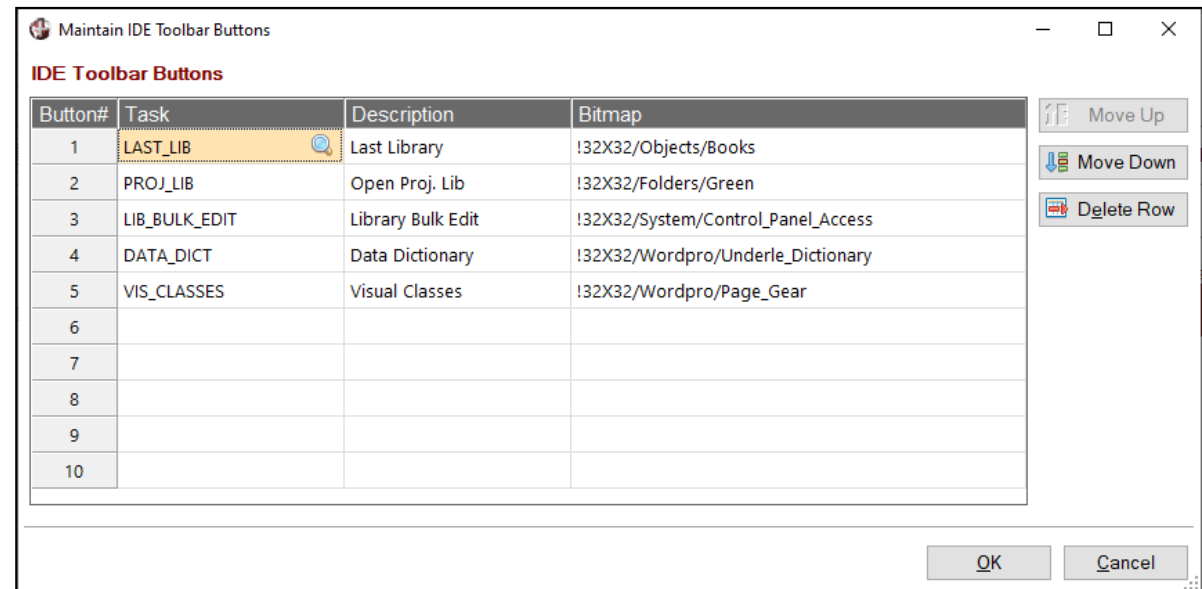
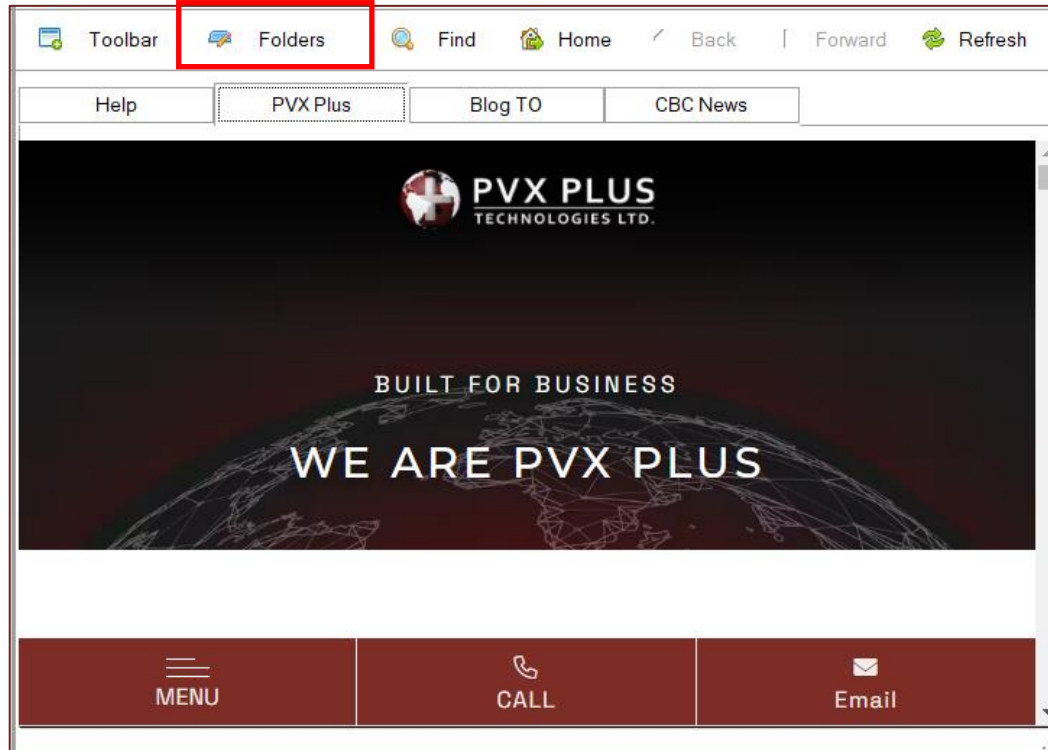- Uses less desktop space

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
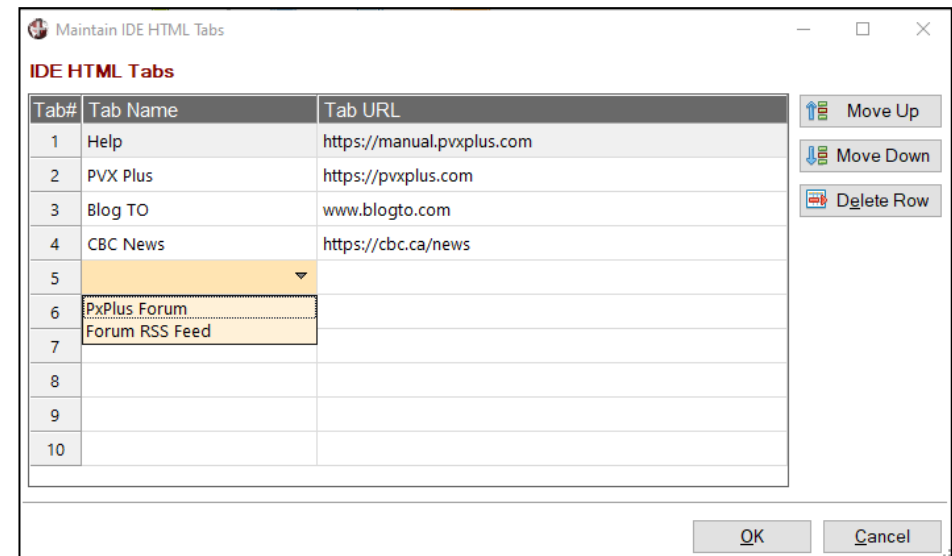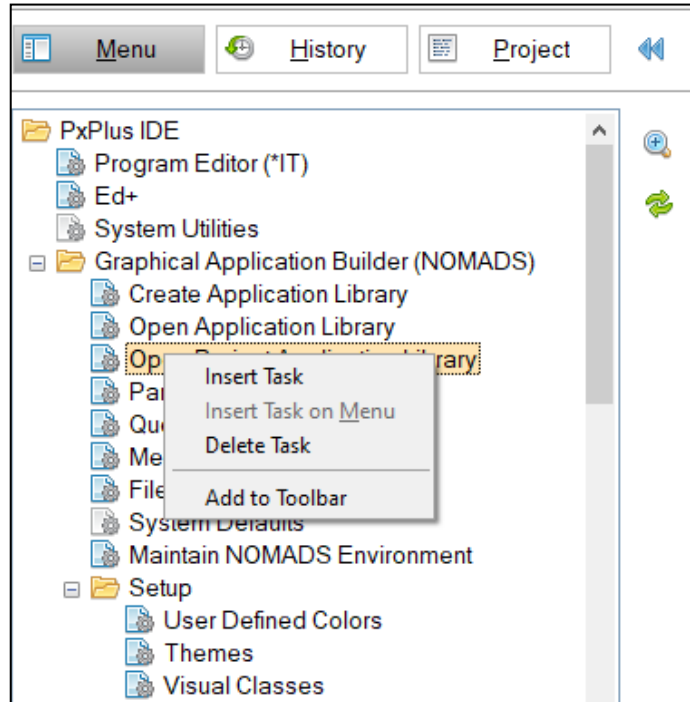
CONFIGURABLE FOLDER TABS

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
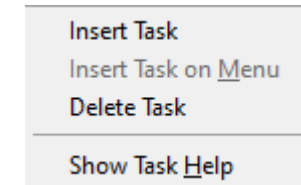
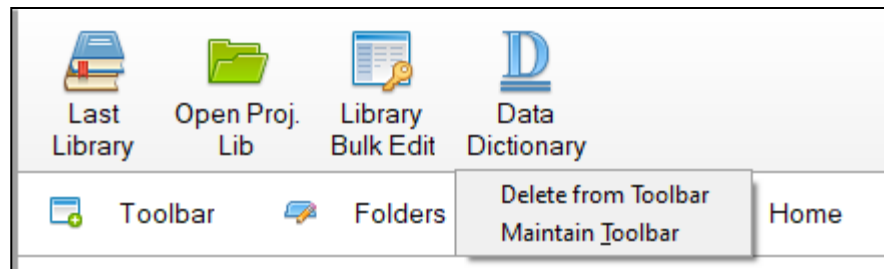- Chromium Web Browser control

NEW POPUP MENU OPTIONS

POPUP MENU

- Right-click Popup Menu on Menu panel of IDE

- Enhanced IDE has **Add to Toolbar** option

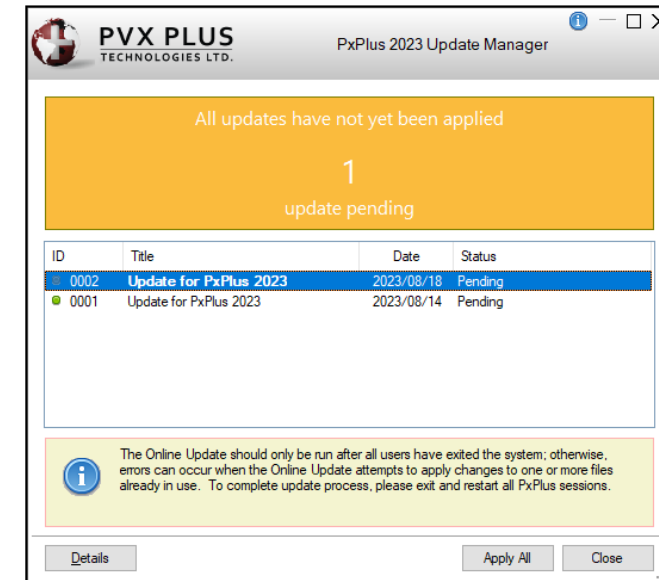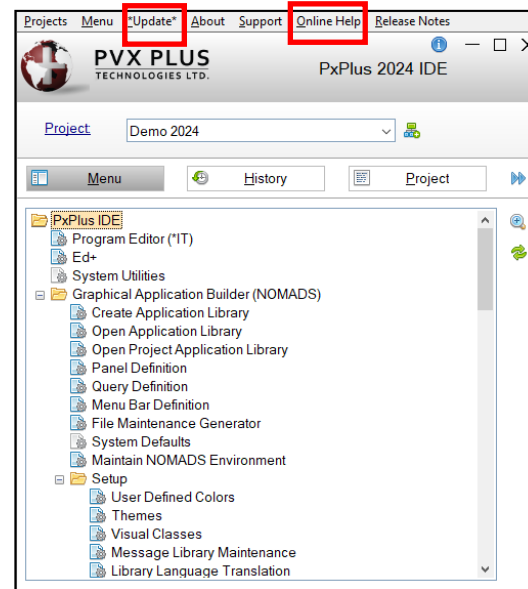- Standard IDE has **Show Task Help** option

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)
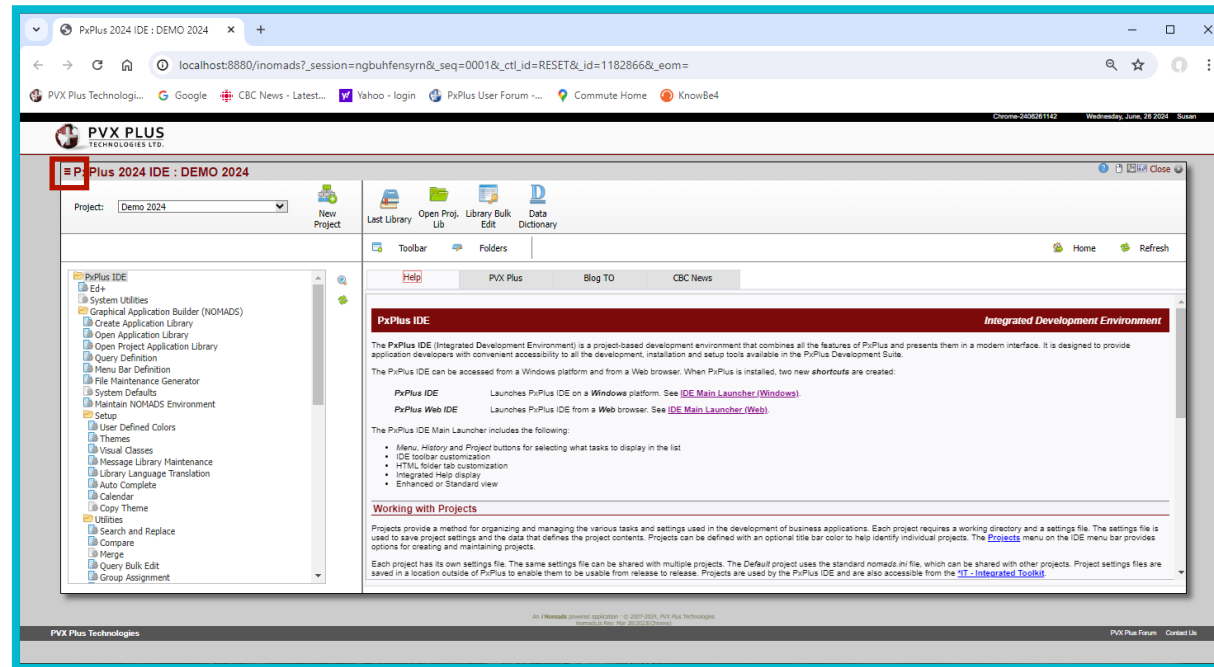
IDE MAIN LAUNCHER (WEB)

- 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
   - [Adding Tasks to Projects](#)
   - [Project Maintenance Utility](#)

IDE TABS

HISTORY

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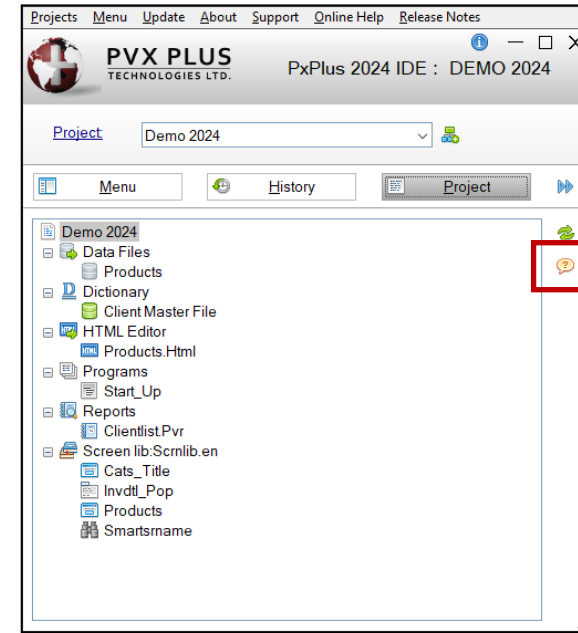
- Favorites at the top
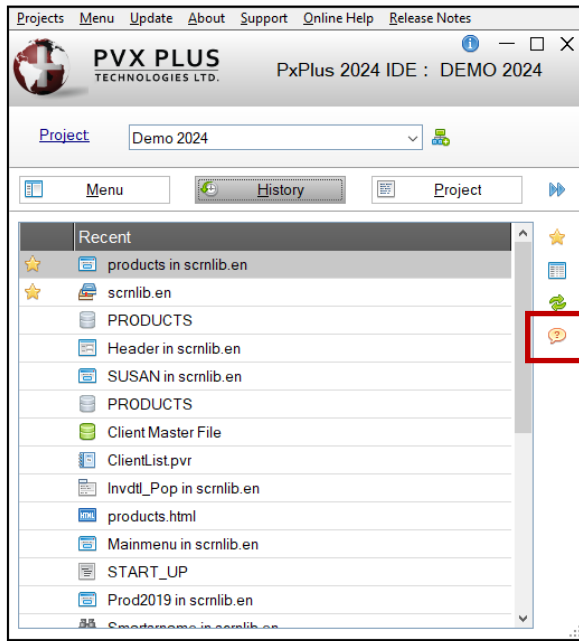
PROJECT

- Tasks added to project organized by type for easy access

Tool Tip

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
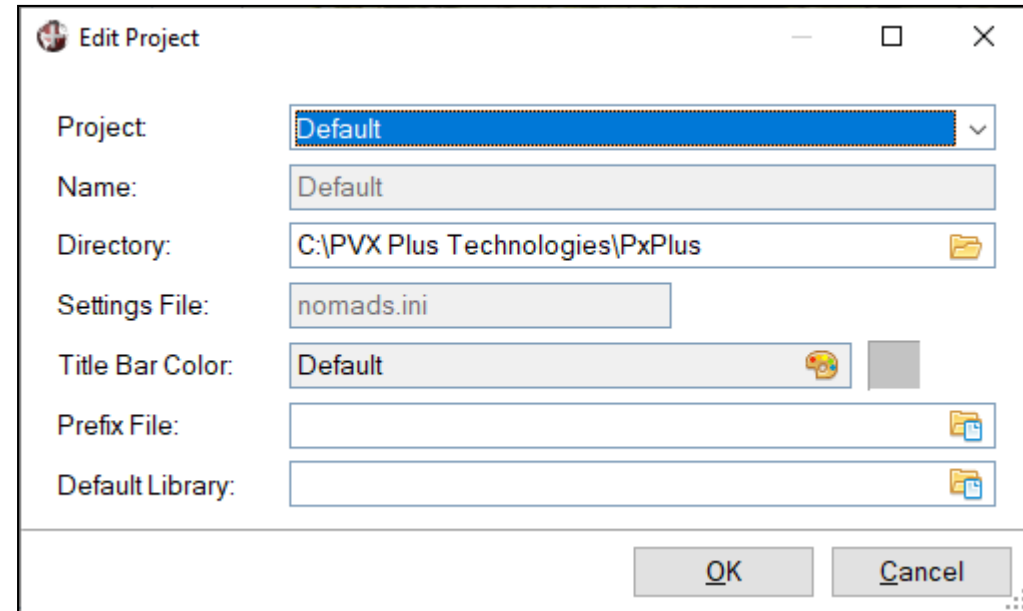
SINCE PXPLUS 2023

- 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
Name:	Default
Directory:	C:\PVX Plus Technologies\PxPlus
Settings File:	nomads.ini
Title Bar Color:	Default
Prefix File:	
Default Library:	

OK   Cancel

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

- HTML Editor

- Report Designer

- Port Numbers
  - EZWeb Server
  - Webster+ Installation

- Database Information
  - Bulk Database Export Utility
  - Database Import Utility

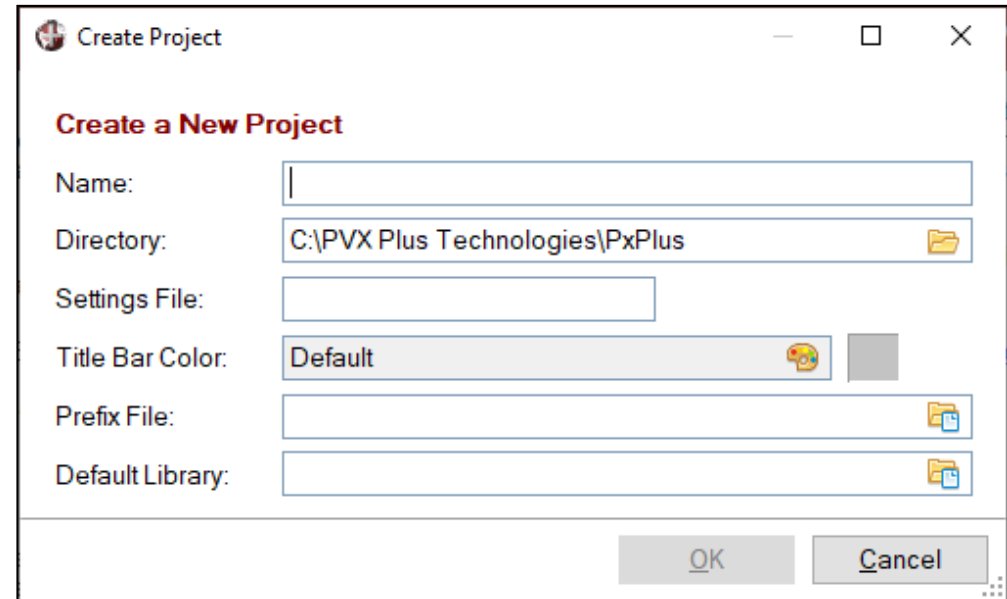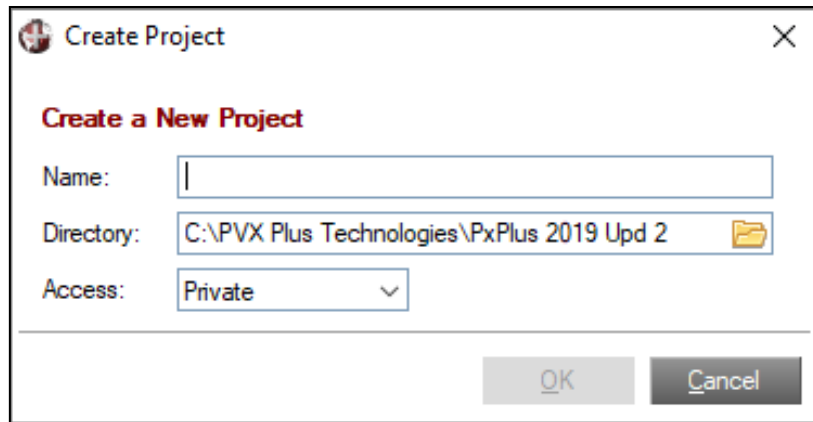- Copying a project will also copy the settings

IDE MENU
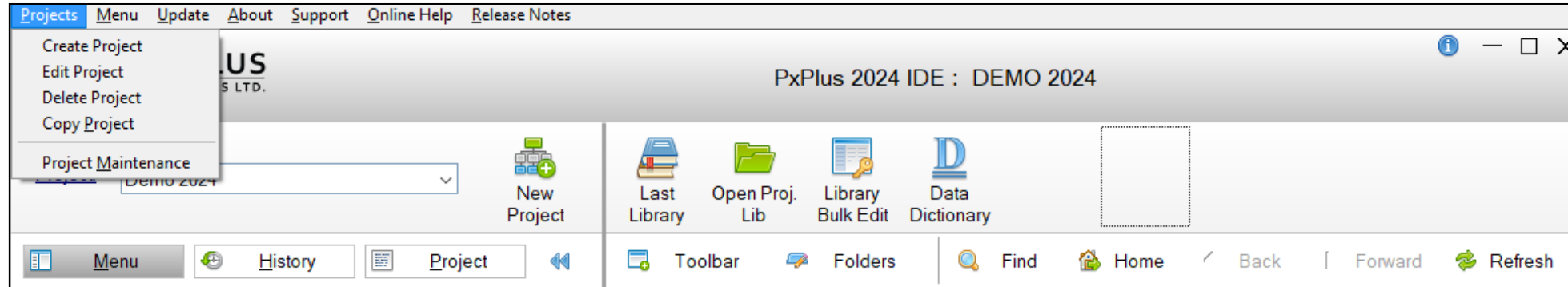
IDE MENU OPTIONS

- Create Project (or New Project button)

- Edit Project (or Project hyperlink)

- Delete Project

- Copy Project

- [Project Maintenance Utility](#)

- Project Location removed
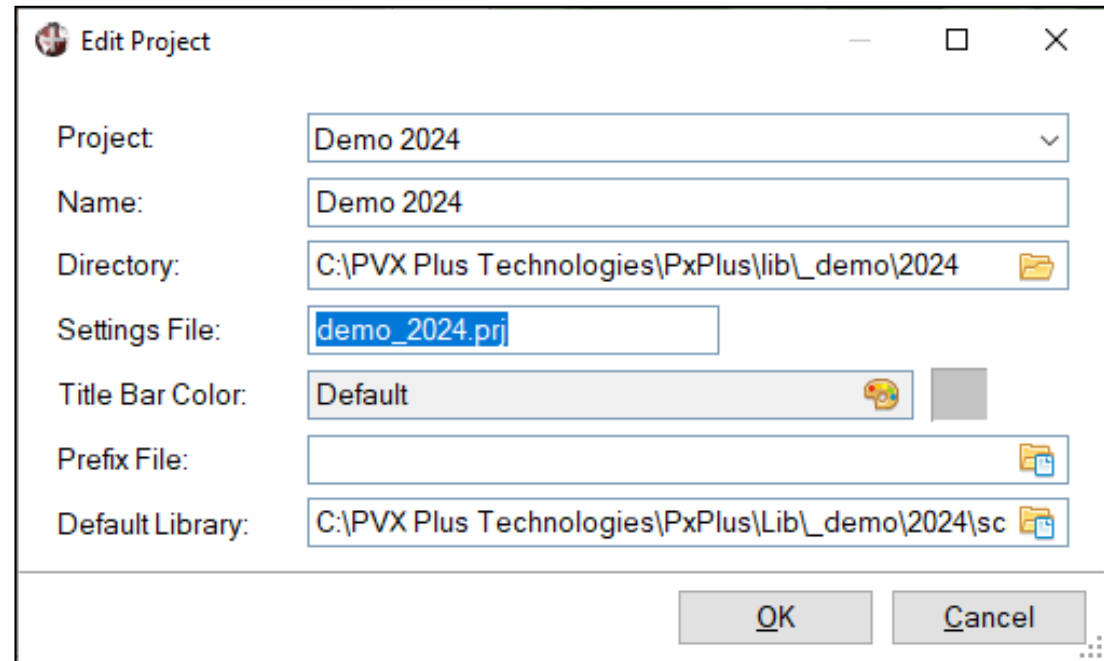
CREATE PROJECT (2019 VS. NOW)

CREATE PROJECT DIALOG

- Added **Settings File, Title Bar Color, Prefix File** and **Default Library** options

- Removed **Access** drop box

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

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

OK   Cancel

TITLE BAR COLOR

TITLE BAR COLOR

- Helps to identify the current project
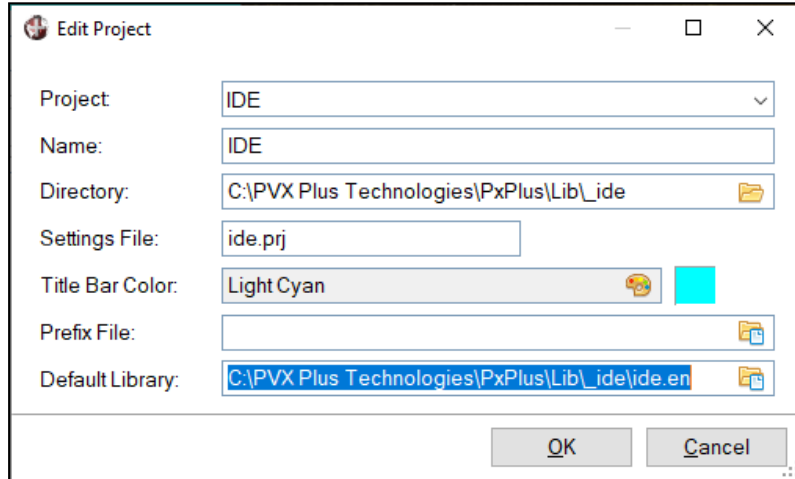
- Default is Light Gray
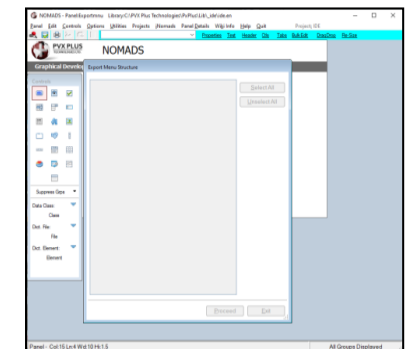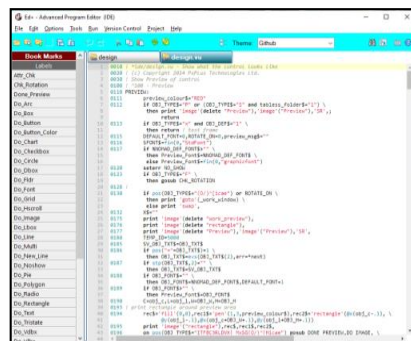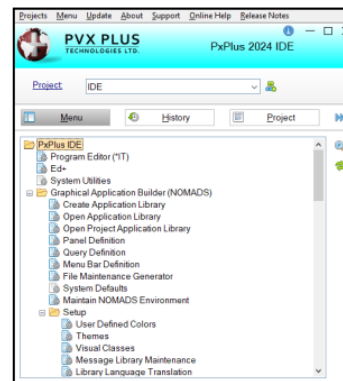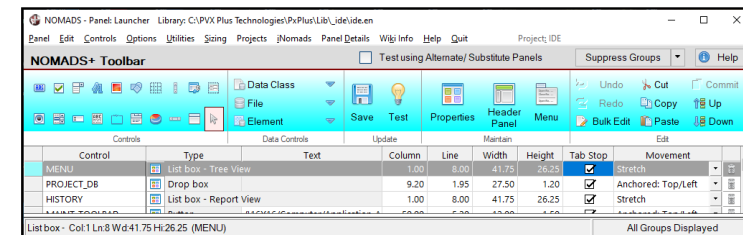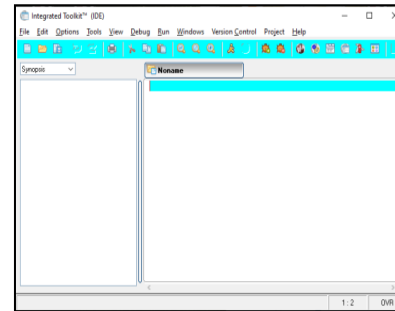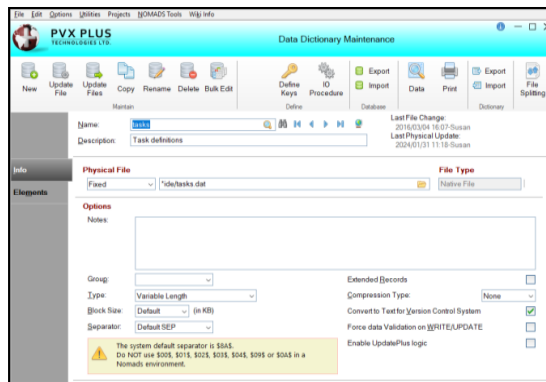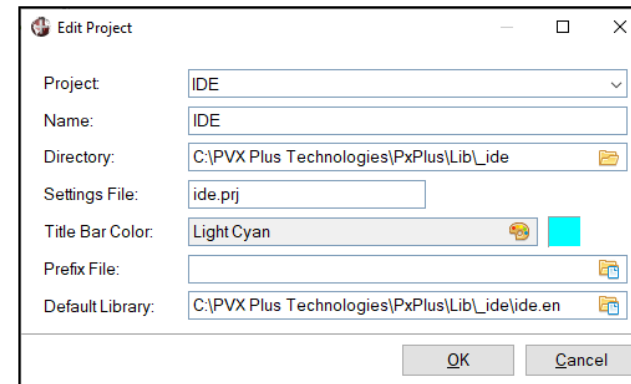
THE PREFIX FILE

OPTIONAL PREFIX FILE

- Specify Search rules in keyed file
  - PREFIX Directive
  - Creating the Prefix File (databases)

- If a prefix file is defined and not set in the start_up program, code executes PREFIX FILE command when any task is spawned
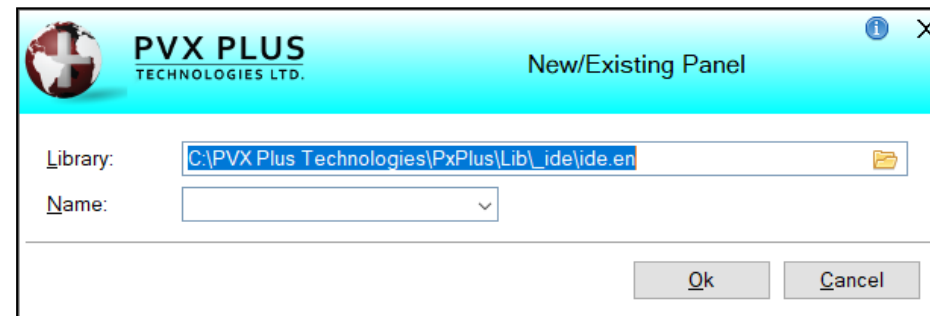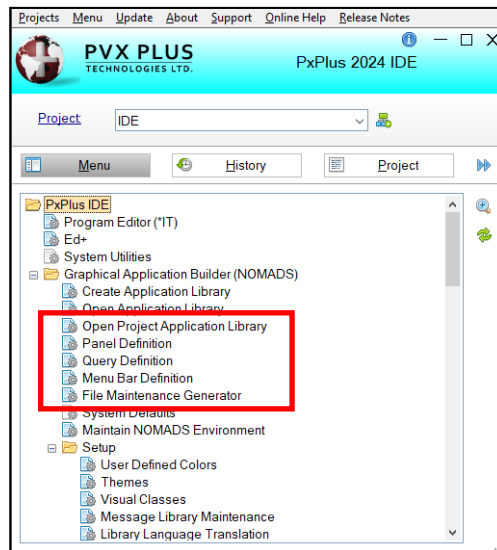
PREFIX FILE prefix_file$
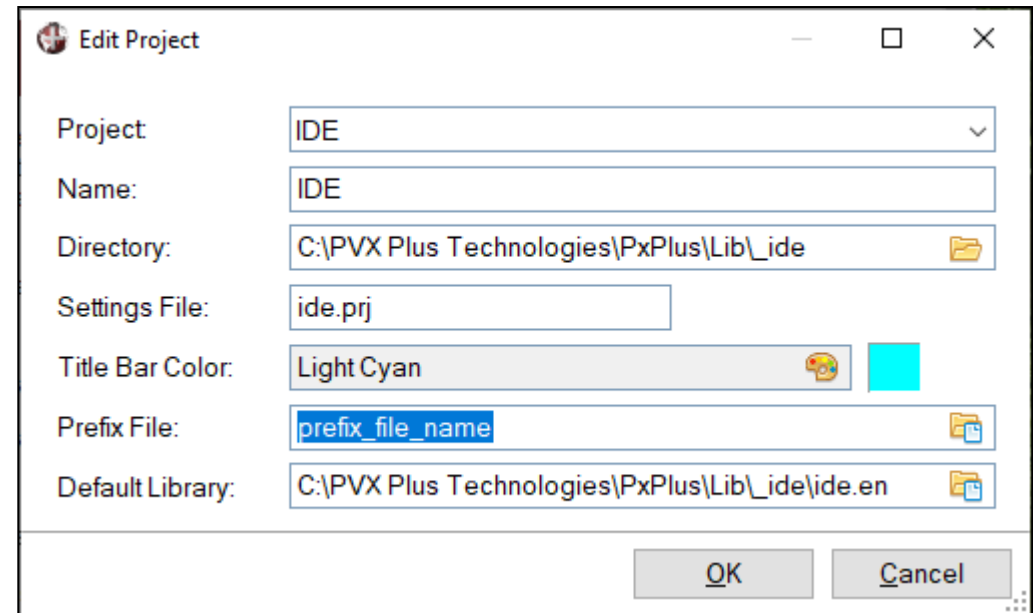
DEFAULT LIBRARY

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

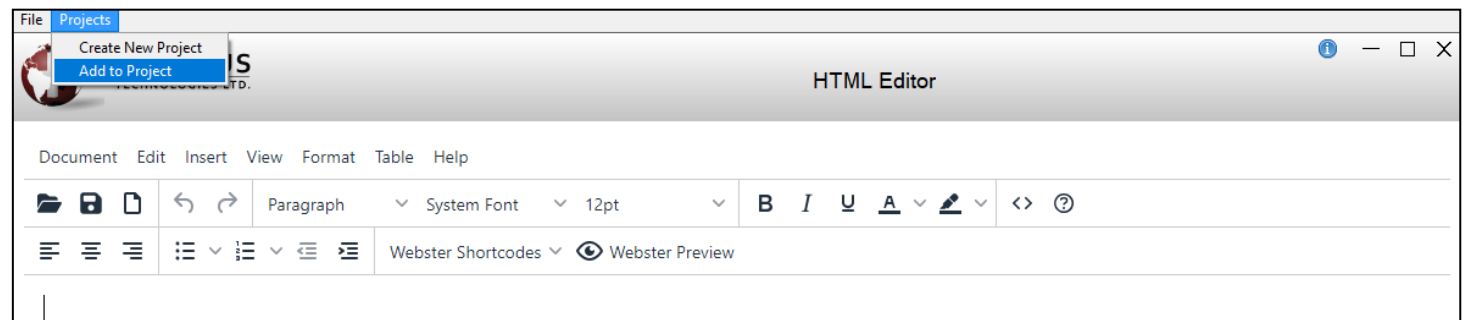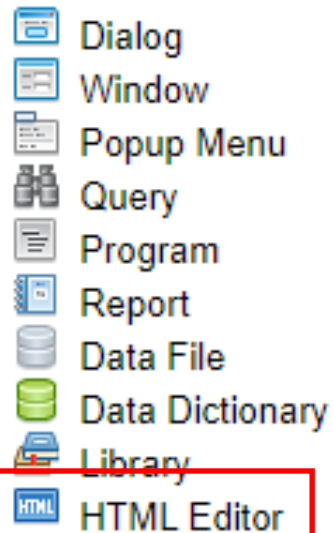 - File Maintenance Generator

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
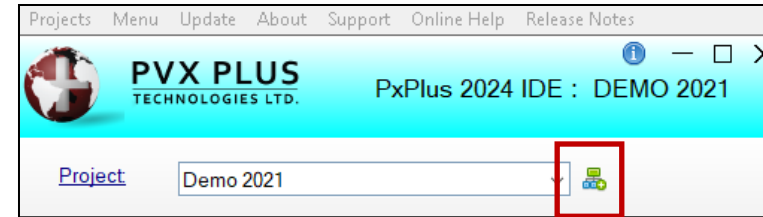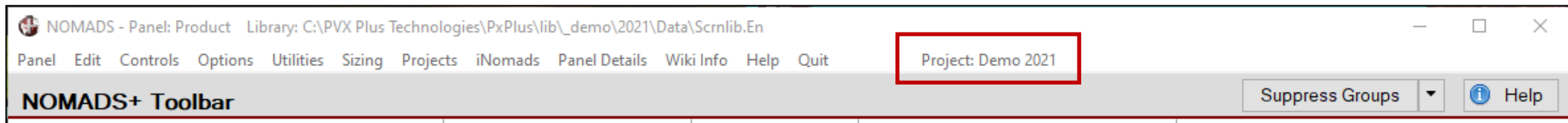
OTHER PROJECT ENHANCEMENTS

CREATE NEW PROJECT BUTTON

- Added to IDE

NOMADS PANEL DESIGNERS

- Project displayed in all designers (if set)

ACCESS TO FILE MAINTENANCE GENERATOR

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