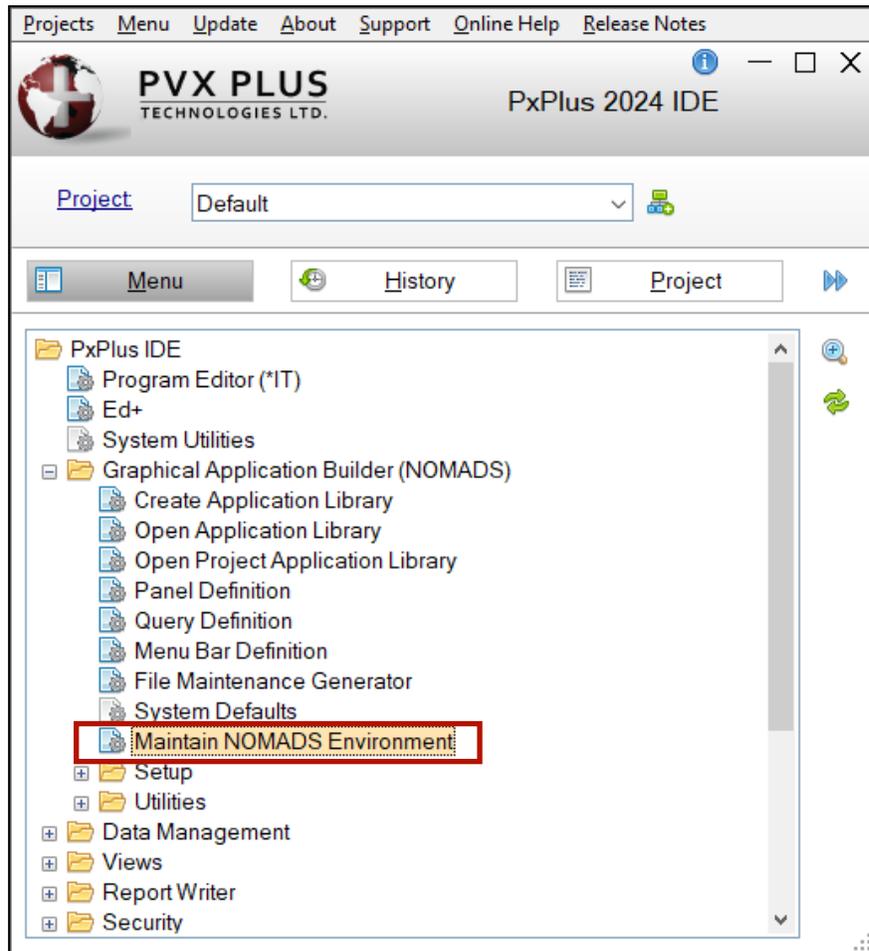




NEW AND UPDATED IDE UTILITIES

DireXions 2024

MAINTAIN NOMADS ENVIRONMENT (2020)



NEW MAINTAIN NOMADS ENVIRONMENT UTILITY

- Accessed from task on IDE Menu or the NOMADS Session Manager
- Central location to display and maintain %NOMADS properties used by the %NOMADS object (*obj/nomads.pvc) to control the NOMADS environment
- Alternative to setting them in the **start_up** program
- Values are set on instantiation of the global %NOMADS object if the settings file exists in the current directory

MAINTAIN NOMADS ENVIRONMENT

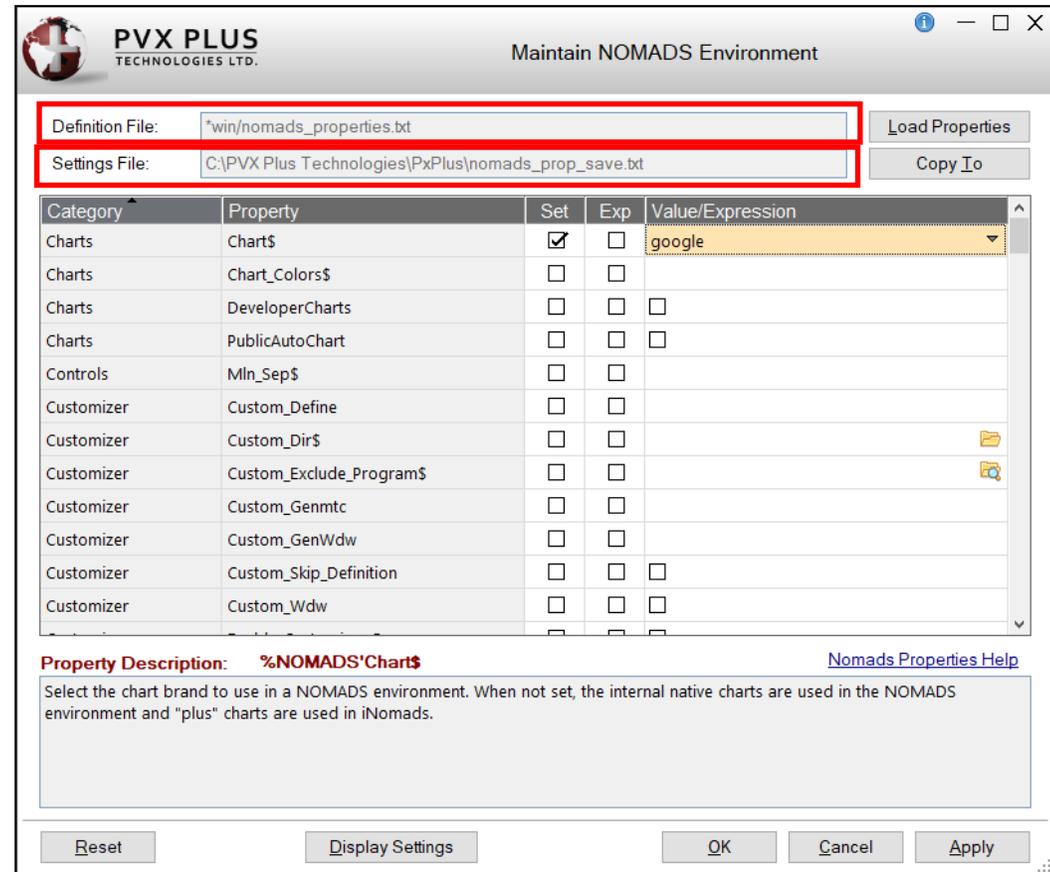
- Properties displayed in a grid
- Descriptions for selected individual properties are shown below

DEFINITION FILE

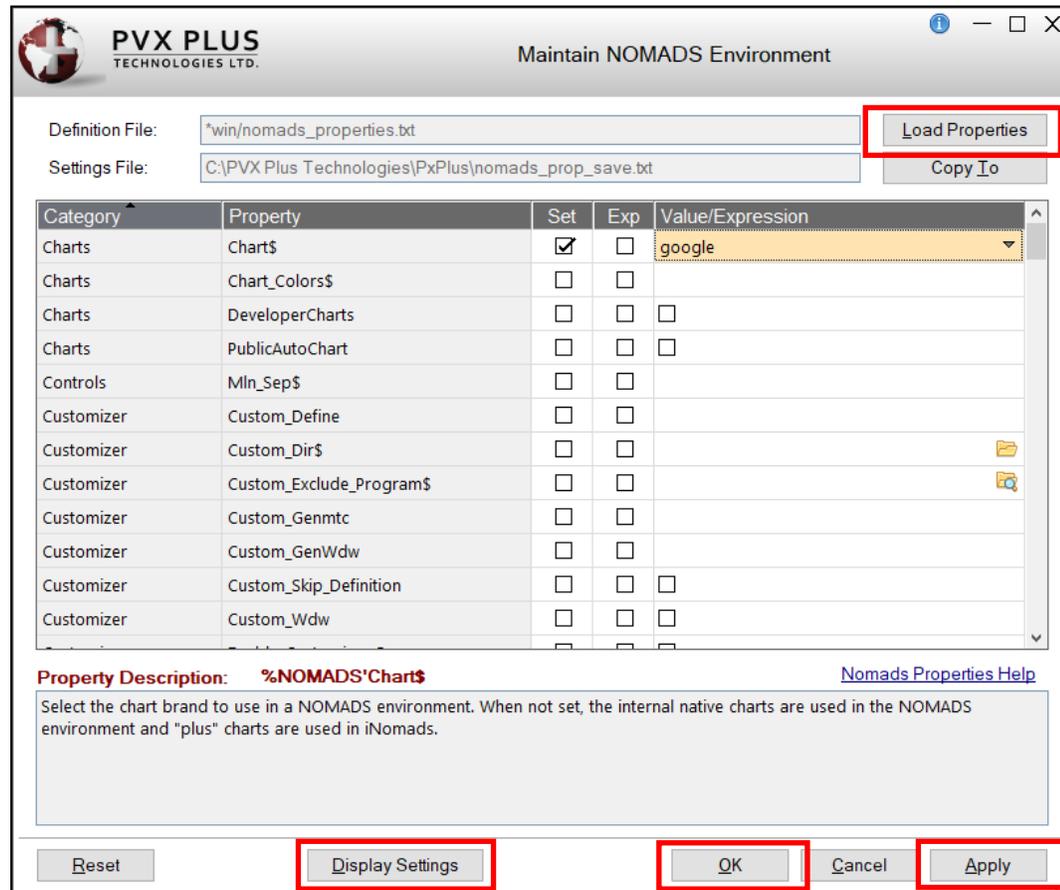
- Values to be set are read from a Definition File
 - ***win/nomads_properties.txt**

SETTINGS FILE

- Values saved in a text Settings File
 - **nomads_prop_save.txt**



NOMADS ENVIRONMENT BUTTONS



LOAD PROPERTIES BUTTON

- Populates the grid with current values for the %NOMADS properties

DISPLAY SETTINGS BUTTON

- Shows contents of the Settings File as of last save

OK & APPLY BUTTONS

- Save the values to be set in the Settings text file

PROPERTY MAINTENANCE UTILITY

PROPERTY MAINTENANCE UTILITY

- Basic architecture can be used to maintain properties for any object
 - [Property Maintenance Utility](#) (*win/propset)

```
CALL "*win/propset;maint",def_file$,settings_file$
```

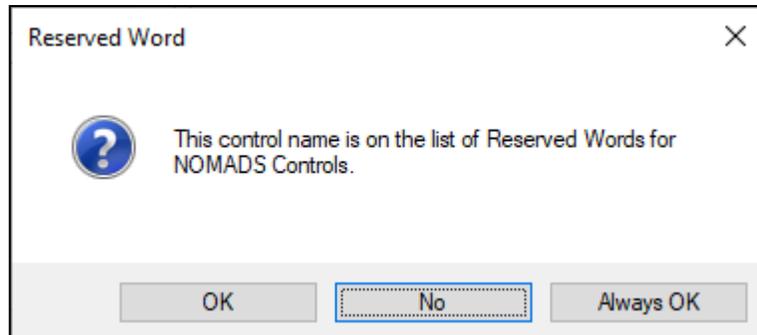
WHERE	EXPLANATION
def_file\$	Pathname of the developer-defined Object Definition File that contains the properties definitions
settings_file\$	Pathname of the user-defined Settings File that contains the properties and their values to be set

USER RESERVED WORDS (2020)

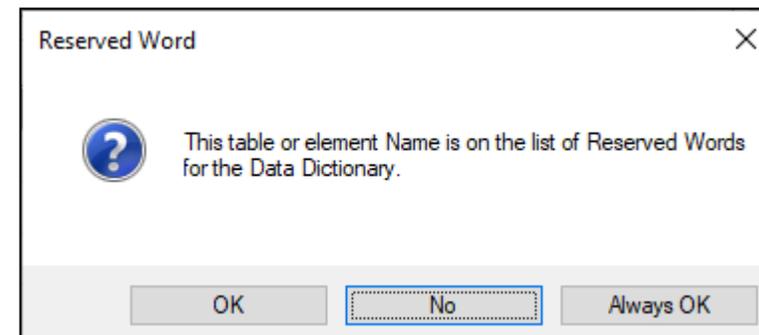
NEW RESERVED WORDS MAINTENANCE UTILITY

- Maintain a list of "reserved" words that cannot be used for Data Dictionary tables and element names or NOMADS control names or both

NOMADS Control



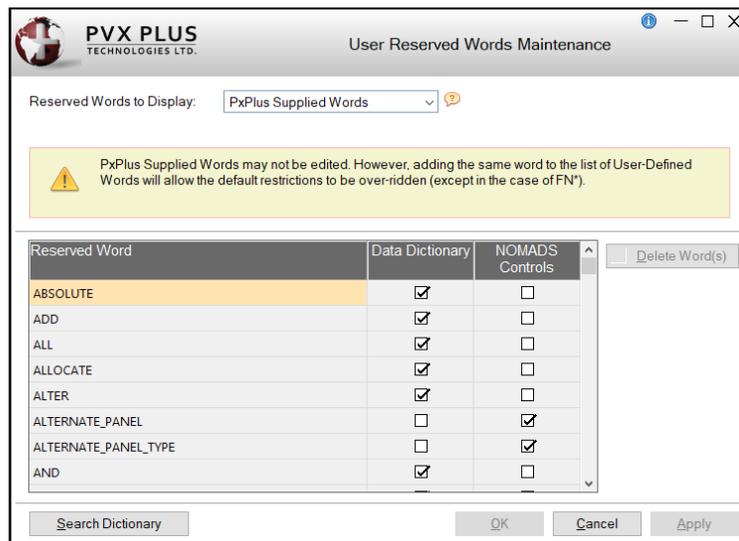
Data Dictionary Element



TWO LISTS OF WORDS

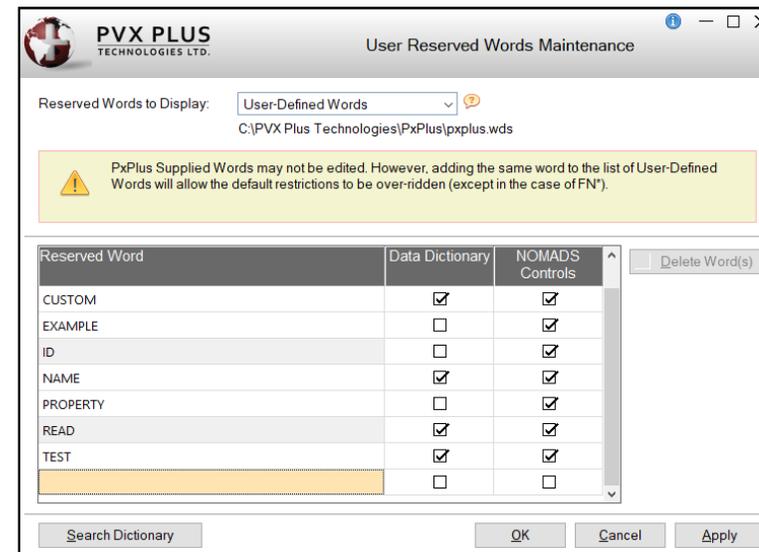
PXPLUS SUPPLIED WORDS

- Predefined list which cannot be edited
 - Words restricted from Data Dictionary or NOMADS controls or both



USER DEFINED WORDS

- New words may be restricted from use in the Data Dictionary or as NOMADS controls (or both)
- Entering a PxPlus Supplied word as a User-Defined word will override default behavior



SEARCH DICTIONARY

SEARCH DICTIONARY BUTTON

- Dialog will show instances where a reserved word is currently used in the Data Dictionary

PVX PLUS
TECHNOLOGIES LTD.

Search Data Dictionary for Reserved Words

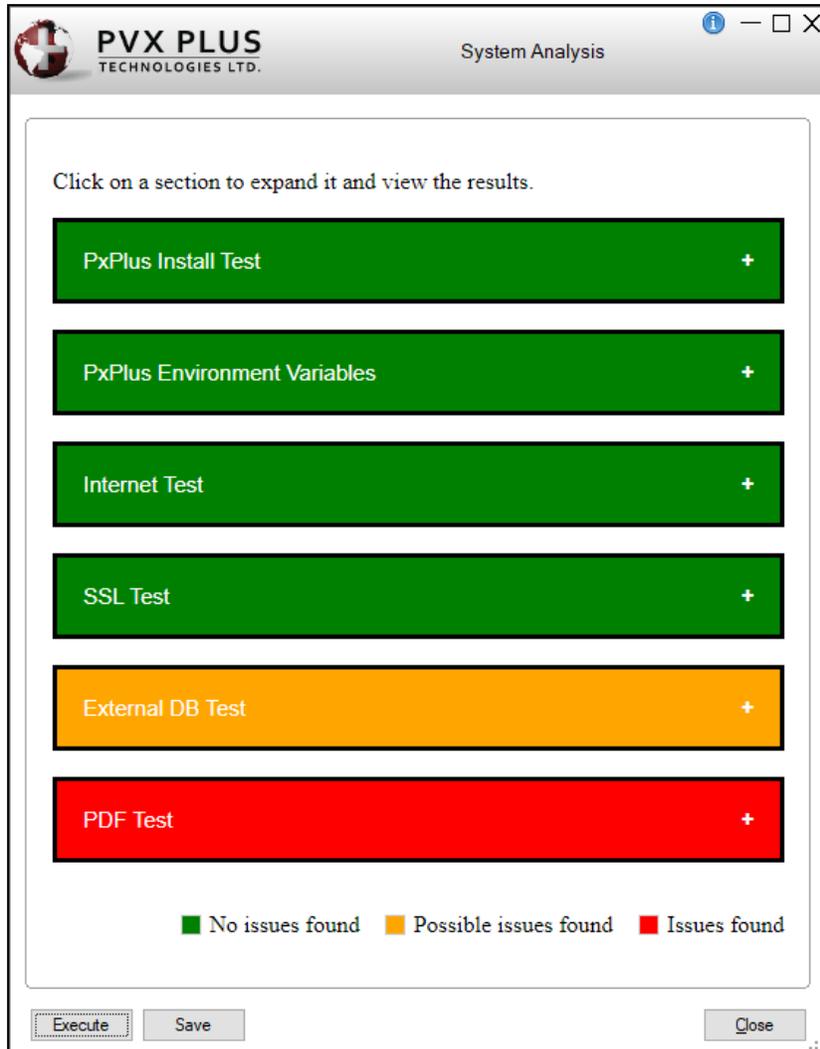
Search for Reserved Words ?

Table Name	#	Element Name	Reserved Word	User
{Global Dictionary}	3	date	DATE	<input type="checkbox"/>
{Global Dictionary}	10	NAME	NAME	<input checked="" type="checkbox"/>
{Global Dictionary}	1	key	KEY	<input type="checkbox"/>
{Global Dictionary}	1	key	KEY	<input type="checkbox"/>
{Global Dictionary}	1	key	KEY	<input type="checkbox"/>
{Global Dictionary}	2	desc	DESC	<input type="checkbox"/>
{Global Dictionary}	3	numeric	NUMERIC	<input type="checkbox"/>

Data Dictionary contains reserved words.

Search Exit

SYSTEM ANALYSIS (2022)



NEW SYSTEM ANALYSIS UTILITY

- Analyses the PxPlus installation and setup

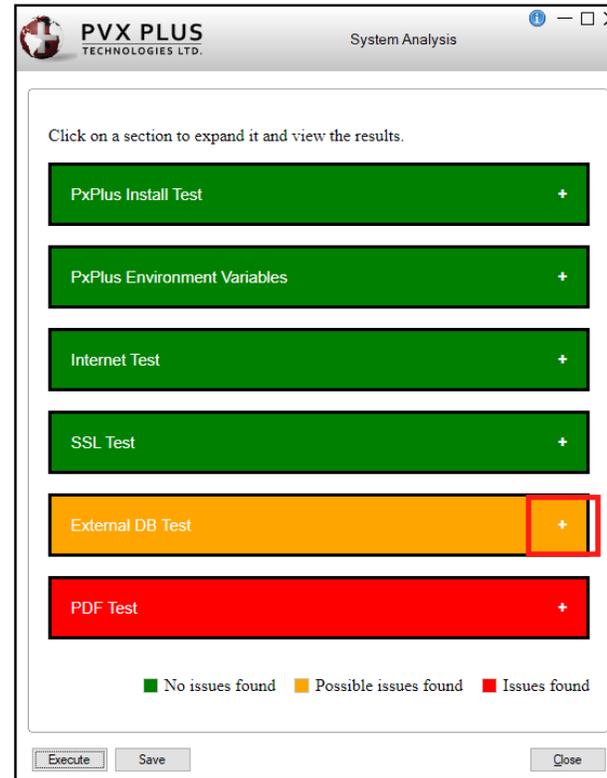
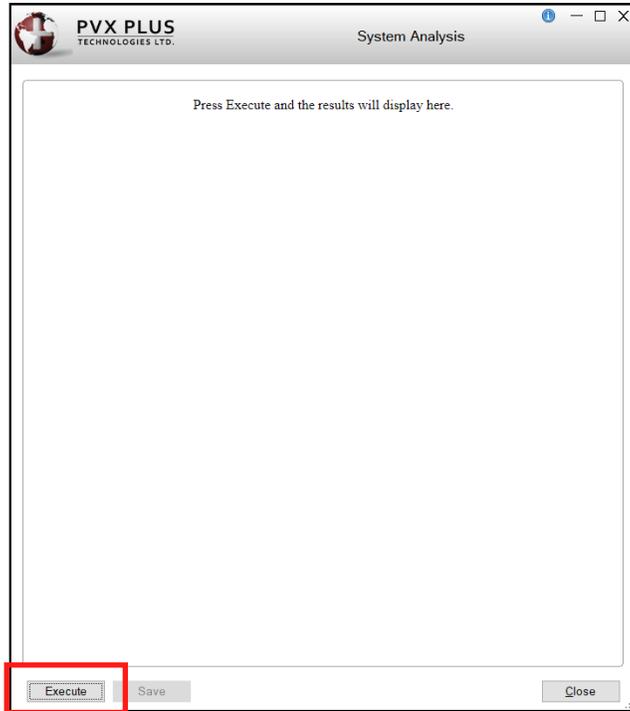
SYSTEM ANALYSIS TESTS

Test	Description
PxPlus Install Test	Create and delete a file in the install directory. Create and delete a file in the <i>Lib</i> directory and all <i>Lib</i> sub-directories.
WindX Test	Display client and server PxPlus versions and the WindX program version. Ensure client PxPlus version equals the server PxPlus version. Validate % PXPLUS_HOST \$ is set correctly and that spawning works
PxPlus Environment Variables	Display all of the PxPlus environment variables.
Internet Test	Test that PxPlus can connect to the Internet at www.pvxplus.com .

SYSTEM ANALYSIS CONTINUED

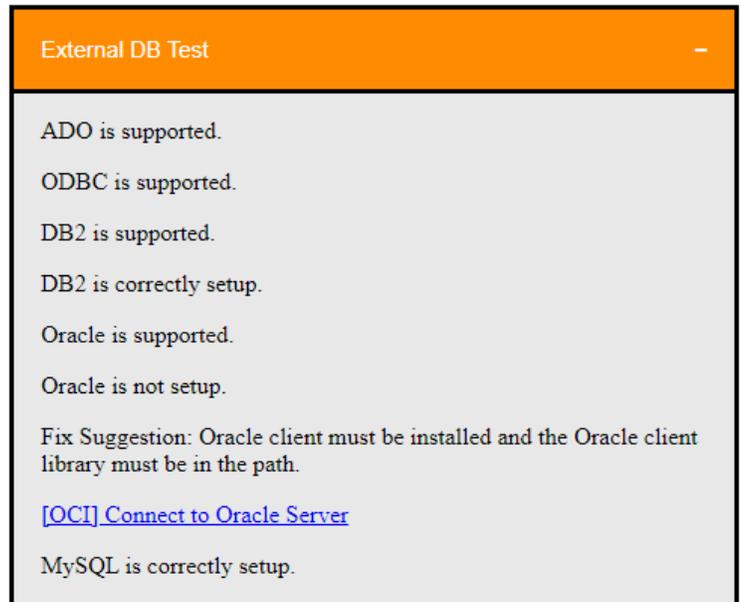
Test	Description
SSL Test	Test that PxPlus can connect securely via SSL to www.pvxplus.com . Display OpenSSL version.
External DB Test	Test that ADO is supported. Test that ODB is supported. On UNIX, test that UNIX ODBC is setup. Test that DB2 is supported and the DB2 client is setup. Test that OCI is supported and the Oracle instant client is installed. Test that MySQL client library is installed.
PDF Test	Check that LibHaru is supported and enabled. Open a PDF file.

RUNNING THE GRAPHICAL ANALYSIS



ANALYSIS RESULTS

- Color-coded
- More info available with + button

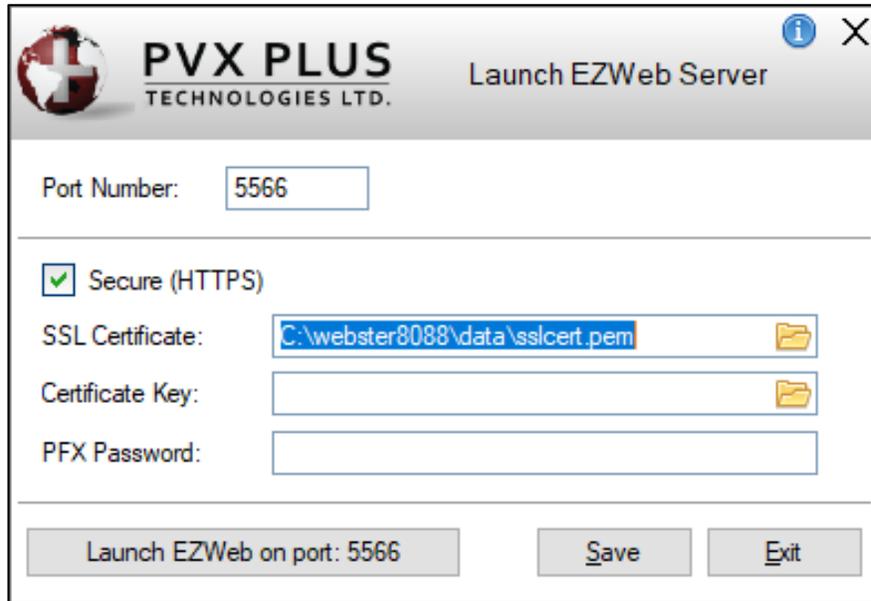


RUNNING THE TEXT-BASED ANALYSIS

CALL "`*tools/systemanalysis`", `result$`, `htmlOutput`

WHERE	EXPLANATION
<code>result\$</code>	Output string where the test results are returned
<code>htmlOutput</code>	If set, the output will be HTML. If not set or set to 0, the output is plain text

LAUNCH EZWEB SERVER (2022)



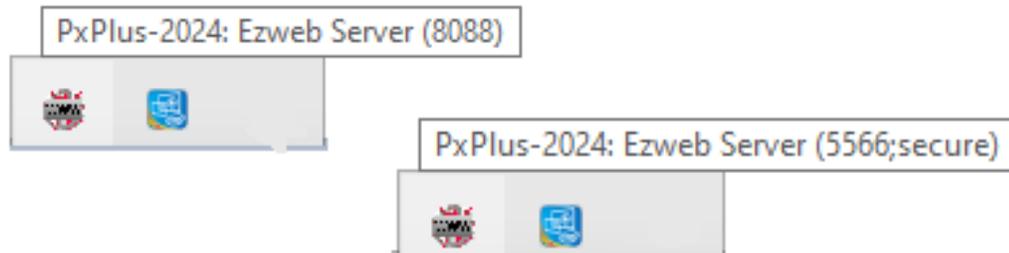
Updated [Launch EZWeb Server](#) utility

SECURITY OPTIONS ADDED

- Secure (HTTPS) check box
- SSL Certificate
- Certificate Key
- PFX Password

SYSTEM TRAY

- System Tray messages updated when secure

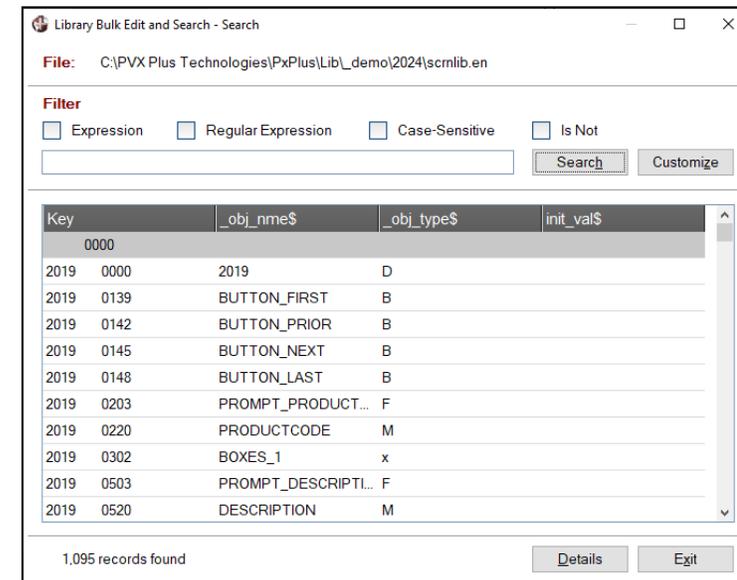
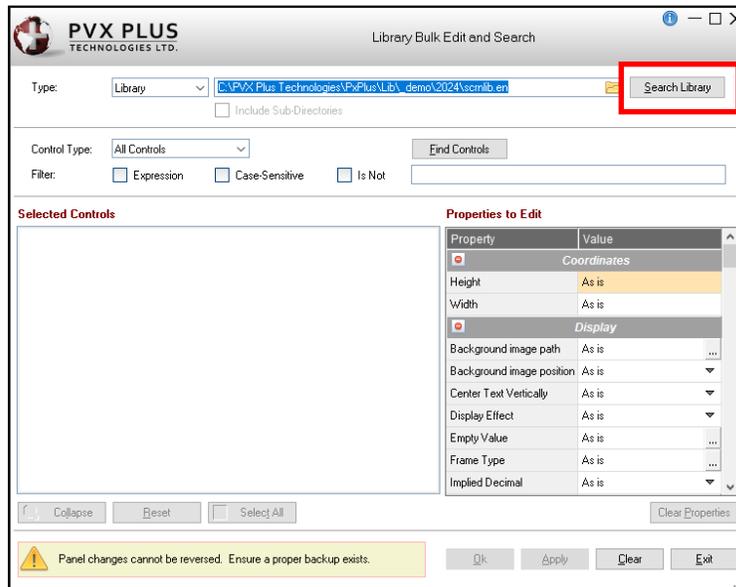


See 'Security' PDF for more details

LIBRARY BULK EDIT AND SEARCH (2023)

UPDATED LIBRARY BULK EDIT

- Search capabilities added to existing Library Bulk Edit Utility
- Search Library button is available when Type is set to Library

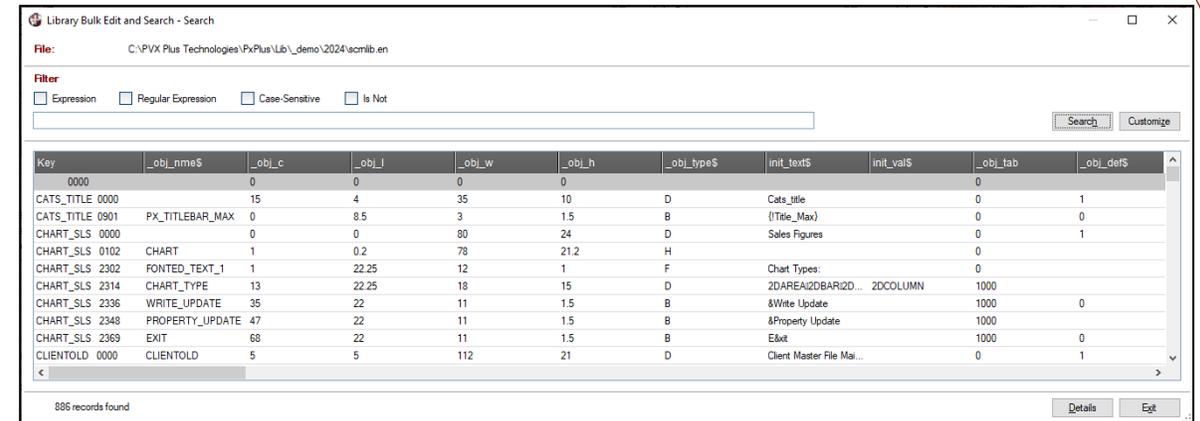
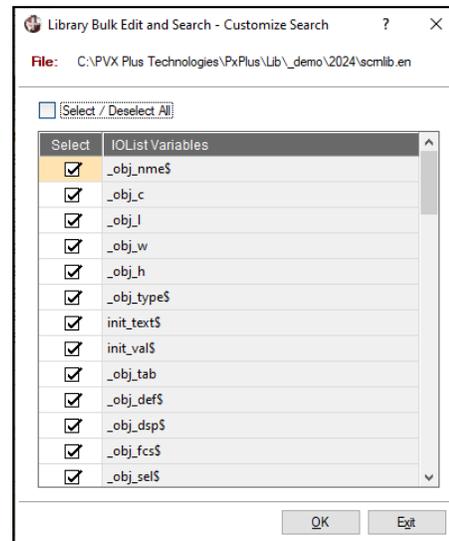
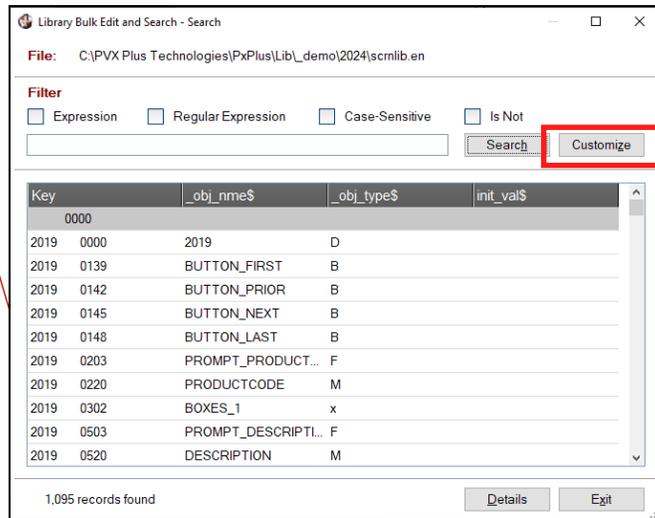


- Initially 4 columns are displayed (Key, _obj_nme\$, _obj_type\$ and _init_val\$)

CUSTOMIZE SEARCH (2024)

LIBRARY BULK EDIT AND SEARCH

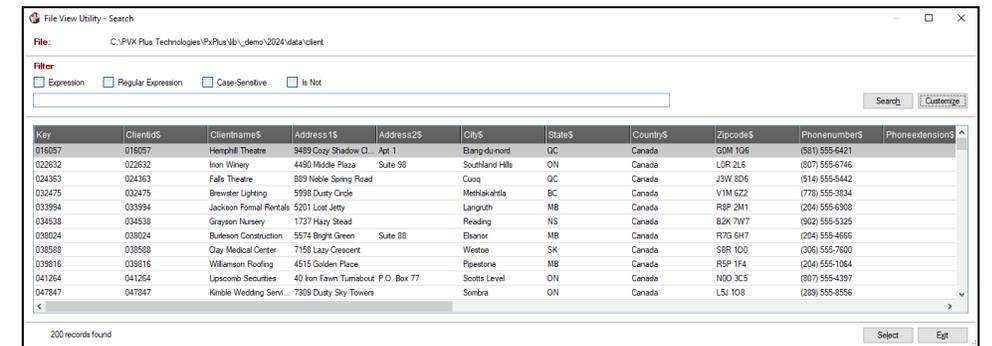
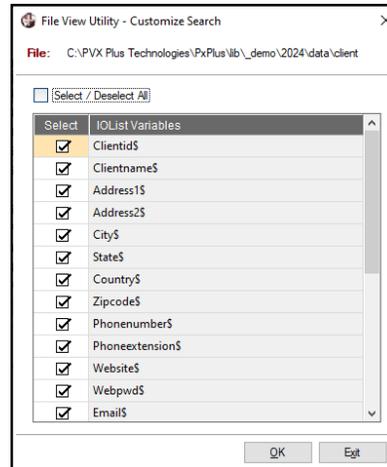
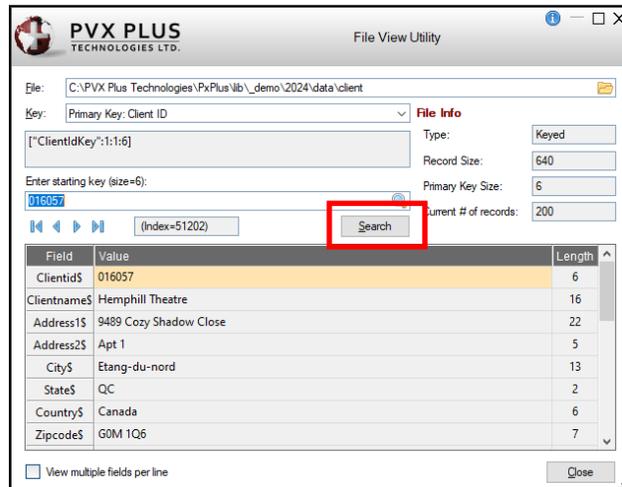
- Customize button allows more columns
- Select from all available columns in the library file



FILE UPDATE/VIEW UTILITIES

UPDATED FILE UTILITIES

- Similar search capabilities added to the File Update and File View Utilities
- **File Update**
 - Accessed from System Utilities or IDE task under Data Management
- **File View**
 - Accessed from System Utilities or Data toolbar button in Data Dictionary Maintenance



USABILITY ENHANCEMENTS

File: C:\PVX PLUS TECHNOLOGIES\PXPLUS\LIB_DEMO\2024\DATA\PRODUCTS

Key: Primary Key: Product Code
Primary Key: Product Code
Alt Key 1: Product Description+Product Code

File Info
Type: Keyed
Record Size: 384
Primary Key Size: 12
Current # of records: 192

Enter starting key (size=12):
BUS-3110-YLW

(Index=8193) Search

Field	Value	Length
Productcode\$	BUS-3110-YLW	12
Description\$	Bus - Yellow	12
Price	9.75	4
Qtyonhand	684	3
Ytdqtysold	459	3
Ytdsales	4475.25	7
Prvqtysold	1547	4
Prvsales	15083.25	8

View multiple fields per line

Close

FILE VIEW UTILITY

- Key definition information added to identify keys more easily when searching records

FILE VIEW & FILE UPDATE UTILITIES

- Query button added to key value to aid in selecting a particular record

File Query for C:\PVX PLUS TECHNOLOGIES\PXPLUS\LIB_DEMO\2024\DATA\PRODUCTS

Find text: BUS-3110-YLW

Match column: [dropdown]

Columns, Export, Charts, Profile, Filters, Formulas, Favorites, Add, Print, Refresh

Primary Key	Field 1	Field 2	Field 3
BUS-3110-YLW	BUS-3110-YLW	Bus - Yellow	9.75
BUS-3111-CYN	BUS-3111-CYN	Bus - Cyan	8.5
BUS-3112-VIO	BUS-3112-VIO	Bus - Violet	10
BUS-3113-GRN	BUS-3113-GRN	Bus - Green	8.25
BUS-3114-RED	BUS-3114-RED	Bus - Red	10.25
BUS-3115-BLU	BUS-3115-BLU	Bus - Blue	8.25
CAR-1320-GLD	CAR-1320-GLD	Safari Jeep - Gold	9.25
CAR-1321-CYN	CAR-1321-CYN	Safari Jeep - Cyan	9.25

Select Close