



DEBUGGING AND TROUBLE SHOOTING ENHANCEMENTS

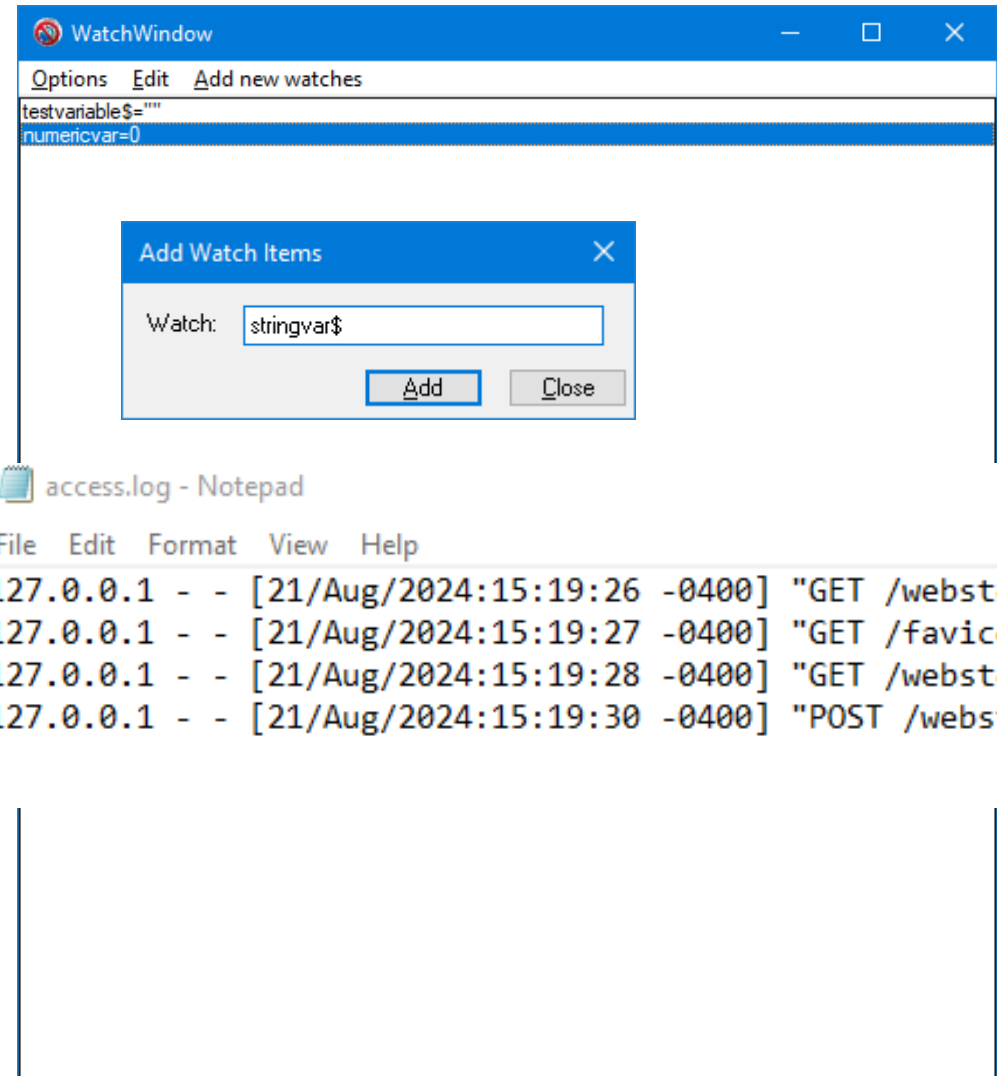
DireXions 2024

DEBUGGING/TROUBLE SHOOTING

- PxPlus Debugging Environment Enhancements
 - New 'Add new watches' and 'Add new breaks' top level menus were added to Watch Window and Break Window
 - Ability to enter Multiple [Watch Variables](#) and [Break Points](#) to the current debug Window
- Specify the maximum [PxPlus Log File](#) size in MB
- New [Accesslog](#) directive added to EZWeb. Similar to the log used in Apache

```
accesslog "ezweb_logs/access.log"
```

 - Once created, EZWeb server will record starts or stops, as well as any errors
- [*BROWSER Debug](#) mode allows the browser developer console to be displayed in a popup window
 - Debug mode can be set using the [BrowserDebug](#) parameter in the INI file or setting the [BrowserDebug](#) OPTION mnemonic



The image shows two windows from a debugging environment. The top window is titled 'WatchWindow' and has a menu bar with 'Options', 'Edit', and 'Add new watches'. It contains a list of watch variables: 'testvariable\$=""' and 'numericvar=0'. An 'Add Watch Items' dialog box is open over it, with a 'Watch:' field containing 'stringvar\$' and 'Add' and 'Close' buttons. Below this is a 'Notepad' window titled 'access.log - Notepad' showing a log file with the following content:

```
File Edit Format View Help
127.0.0.1 - - [21/Aug/2024:15:19:26 -0400] "GET /webster.pxp
127.0.0.1 - - [21/Aug/2024:15:19:27 -0400] "GET /favicon.ico
127.0.0.1 - - [21/Aug/2024:15:19:28 -0400] "GET /webster.pxp
127.0.0.1 - - [21/Aug/2024:15:19:30 -0400] "POST /webster.px
```

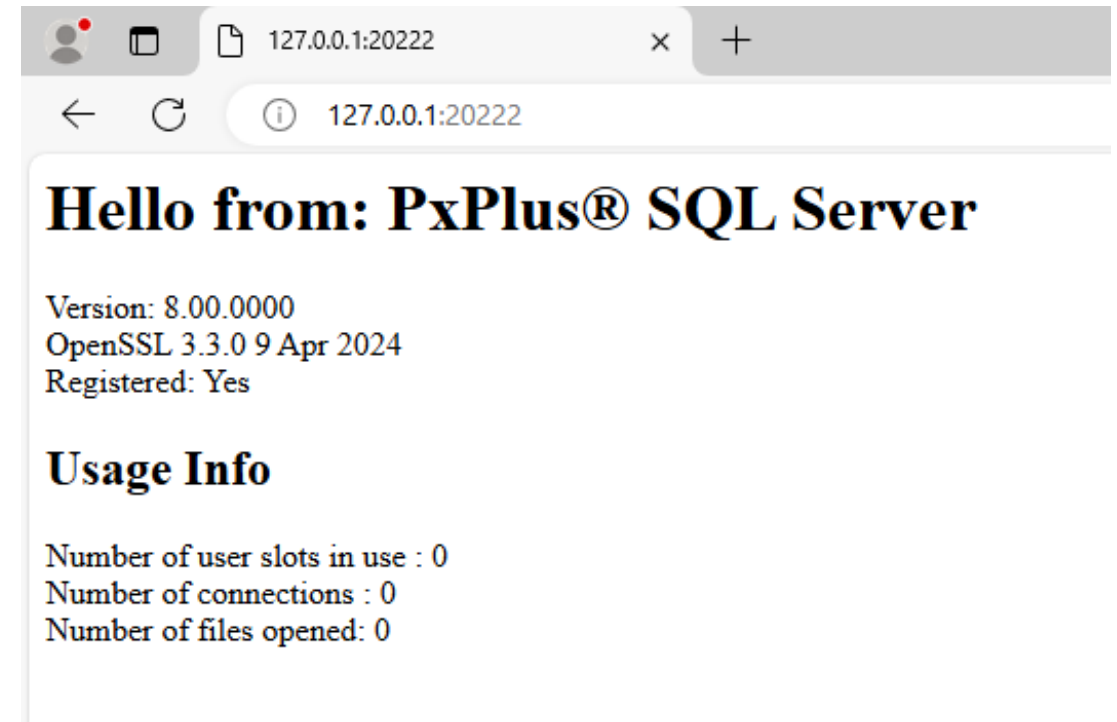
DEBUGGING/TROUBLESHOOTING

- Troubleshooting Connection Problems with PxPlus SQL Server
 - Display an Info Page in a Web browser

- **Example**

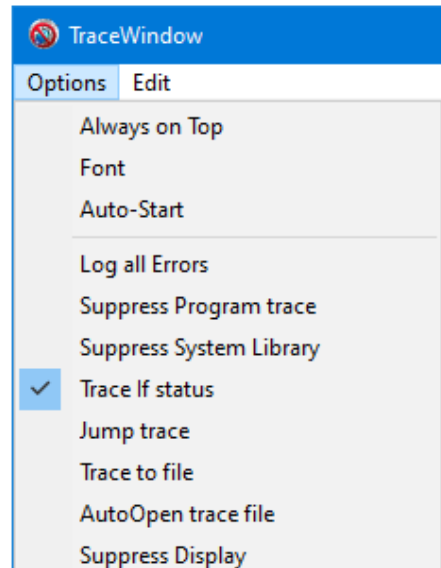
Browser bar > sql_server_ip:server_port

For a server on 127.0.0.1, port 20222
http[s]://127.0.0.1:20222



DEBUGGING/TROUBLESHOOTING

- WINDX Tracing
 - Ability to forward the output of IF Tracing
 - Capability to display colored trace lines in the host trace output
 - SET_PARAM 'IT'
 - Set Trace If status



```
TraceWindow
Options Edit
: 0123 FIND_FILE_ID:
: 0124 IF NUL(FILE_ID$) THEN LET FILE_ID$=ARG(-1); IF is_write THEN SERIAL FILE_ID$,ERR="RETURN; F
If: NUL(FILE_ID$) ! False
: 0130 !
: 0131 LET n$="PxPlus"; READ DATA FROM ENV(-1,ERR="NEXT"),SEP="." TO n$
: 0133 !
: 0134 LET d=POS("\V":FILE_ID$,-1)
: 0135 IF d<>0 THEN LET d$=FILE_ID$(1,d-1); LET FILE_ID$=FILE_ID$(d+1) ELSE IF TCB(82)>=0 THEN LET c
If: d<>0 ! False
If: TCB(82)>=0 ! True
: 0144 !
: 0145 LET FILE_ID$=d$+DLM+FILE_ID$
: 0146 !
: 0147 IF NOT(is_write) OR PTH(FILE_ID$,ERR="NEXT")<>"" THEN RETURN
If: NOT(is_write) OR PTH(FILE_ID$,ERR="NEXT")<>"" ! True
: 0075 !
: 0076 IF NUL(SECT_ID$) OR NUL(ITEM_ID$) THEN EXIT 46
If: NUL(SECT_ID$) OR NUL(ITEM_ID$) ! False
: 0078 !
: 0079 IF TCB(82)<0 THEN GOSUB UNIX_PROCESS ELSE GOSUB WINDOWS_WRITE
If: TCB(82)<0 ! False
: 0085 WINDOWS_WRITE
```