

UseCase_1_Sample_Screen_Shots



TeamSTARS "tsWxGTUI_PyVx" Toolkit
with **Python 2x & Python 3x** based
Command Line Interface (CLI)
and "**Curses**"-based "**wxPython**"-style
Graphical-Text User Interface (GUI)

Get that cross-platform, pixel-mode "wxPython" feeling on platforms with:

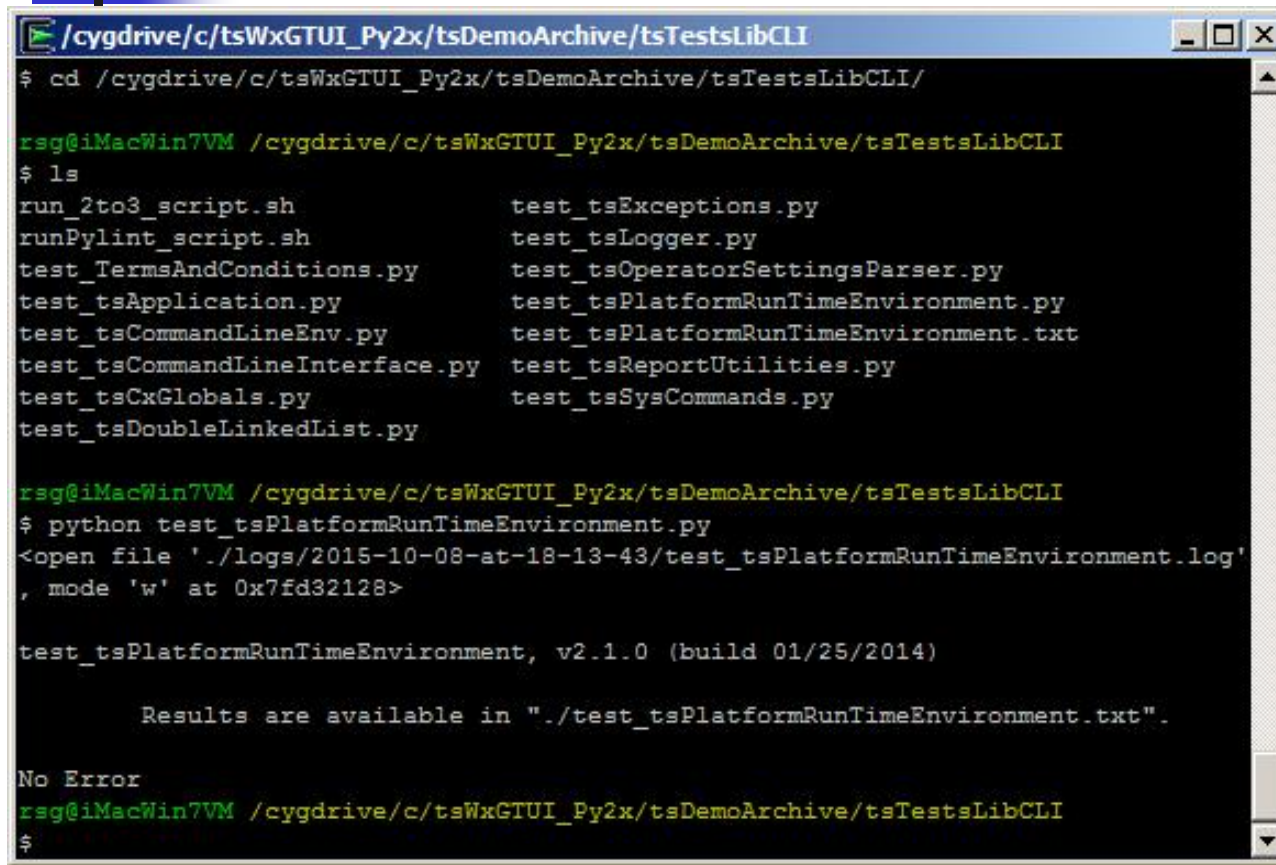
- 64-bit processors, nCurses 6.x, 64-bit Python 3.6.x or later GUI applications and character-mode 256-/16-/8- color (xterm-family) and non-color (vt100-family) terminals and terminal emulators.
- 32-bit processors, nCurses 6.x/5.x, 32-bit Python 3.5.2 or earlier GUI applications and character-mode 16-/8-color (xterm-family) and non-color (vt100-family) terminals and terminal emulators.



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Sample CLI Display [\(Table of Contents\)](#)



```
/cygdrive/c/tsWxGTUI_Py2x/tsDemoArchive/tsTestsLibCLI
$ cd /cygdrive/c/tsWxGTUI_Py2x/tsDemoArchive/tsTestsLibCLI/

rsg@iMacWin7VM /cygdrive/c/tsWxGTUI_Py2x/tsDemoArchive/tsTestsLibCLI
$ ls
run_2to3_script.sh          test_tsExceptions.py
runPylint_script.sh         test_tsLogger.py
test_TermsAndConditions.py  test_tsOperatorSettingsParser.py
test_tsApplication.py       test_tsPlatformRunTimeEnvironment.py
test_tsCommandLineEnv.py    test_tsPlatformRunTimeEnvironment.txt
test_tsCommandLineInterface.py test_tsReportUtilities.py
test_tsCxGlobals.py         test_tsSysCommands.py
test_tsDoubleLinkedList.py

rsg@iMacWin7VM /cygdrive/c/tsWxGTUI_Py2x/tsDemoArchive/tsTestsLibCLI
$ python test_tsPlatformRunTimeEnvironment.py
<open file './logs/2015-10-08-at-18-13-43/test_tsPlatformRunTimeEnvironment.log'
, mode 'w' at 0x7fd32128>

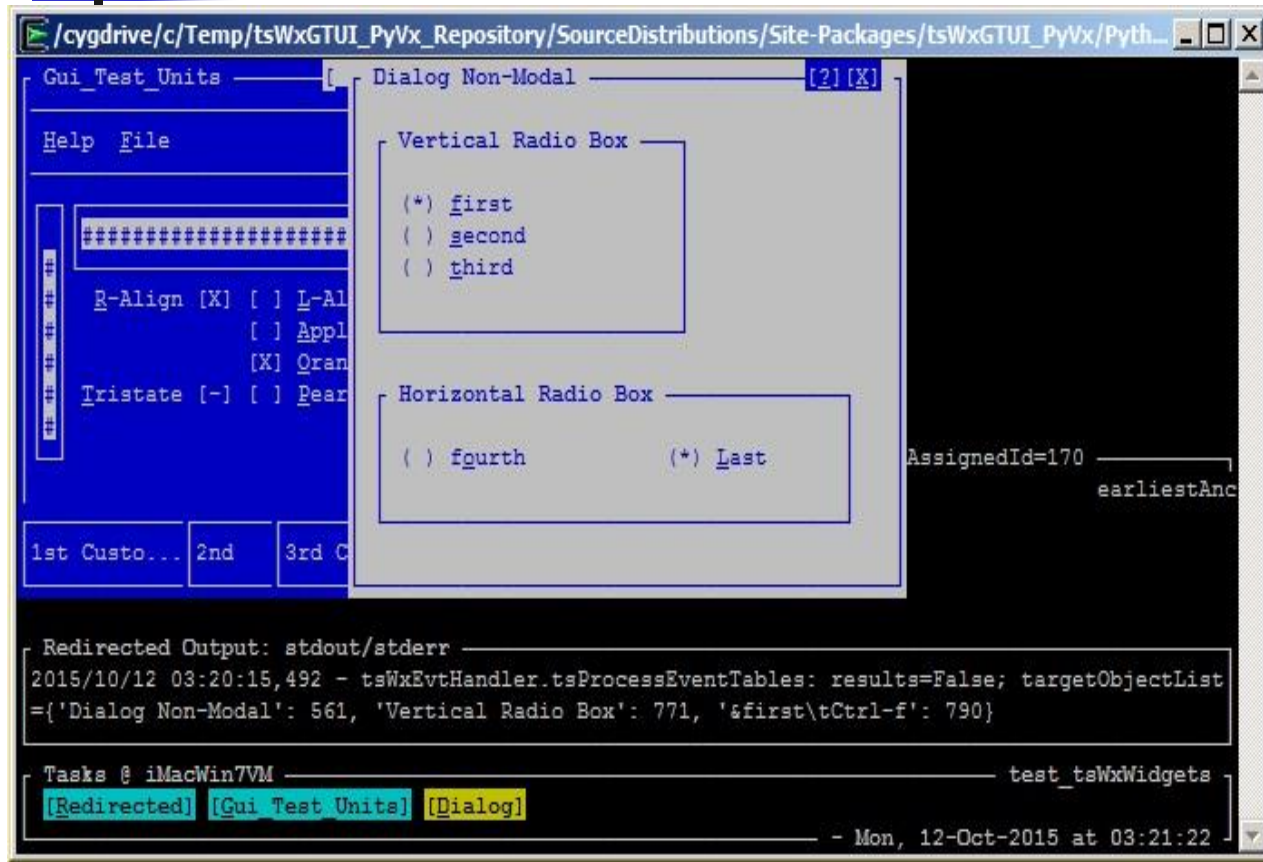
test_tsPlatformRunTimeEnvironment, v2.1.0 (build 01/25/2014)

    Results are available in "./test_tsPlatformRunTimeEnvironment.txt".

No Error
rsg@iMacWin7VM /cygdrive/c/tsWxGTUI_Py2x/tsDemoArchive/tsTestsLibCLI
$
```

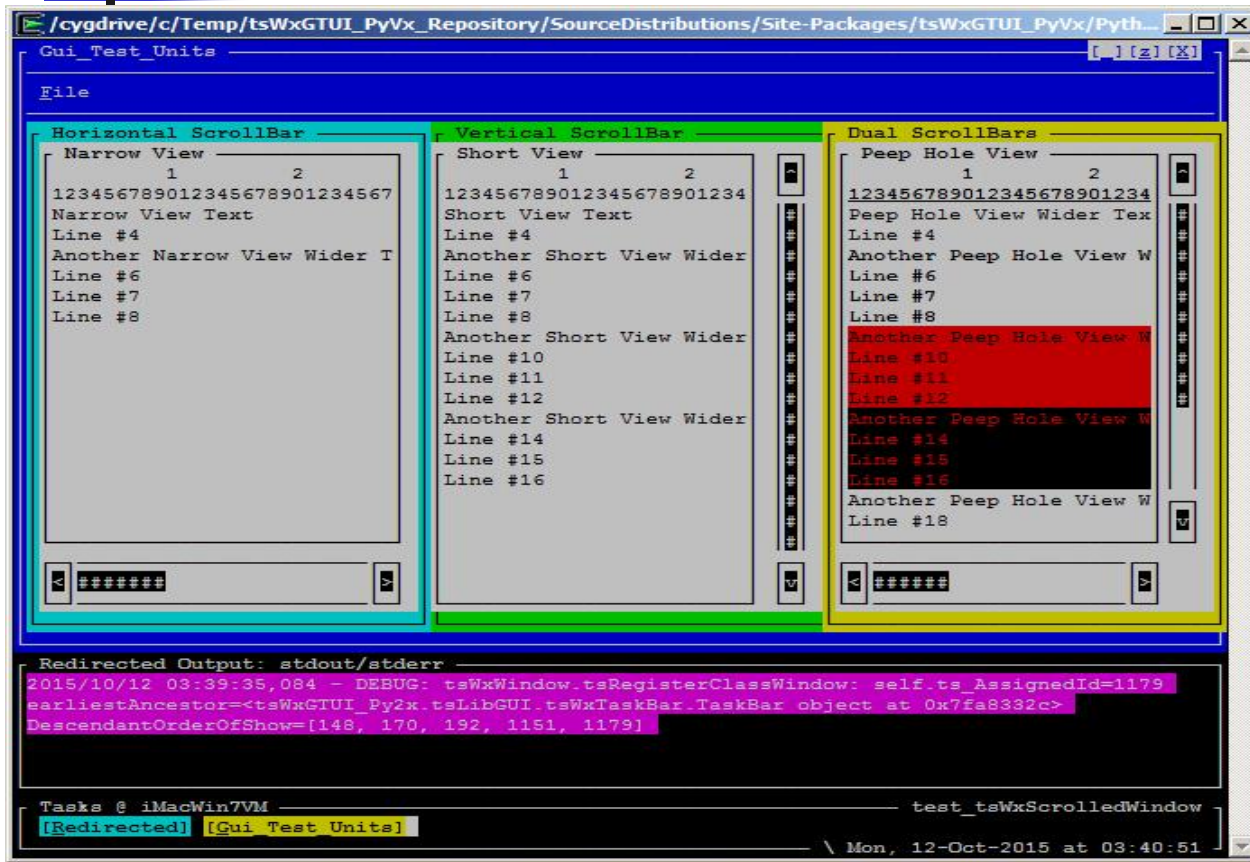
- The **cd** command, also known as **chdir**, changes the directory as specified.
- The **ls** command lists files in the directory.
- The **python** command executes the named program which displays the location of its results before terminating.

Sample GUI Widgets [\(Table of Contents\)](#)



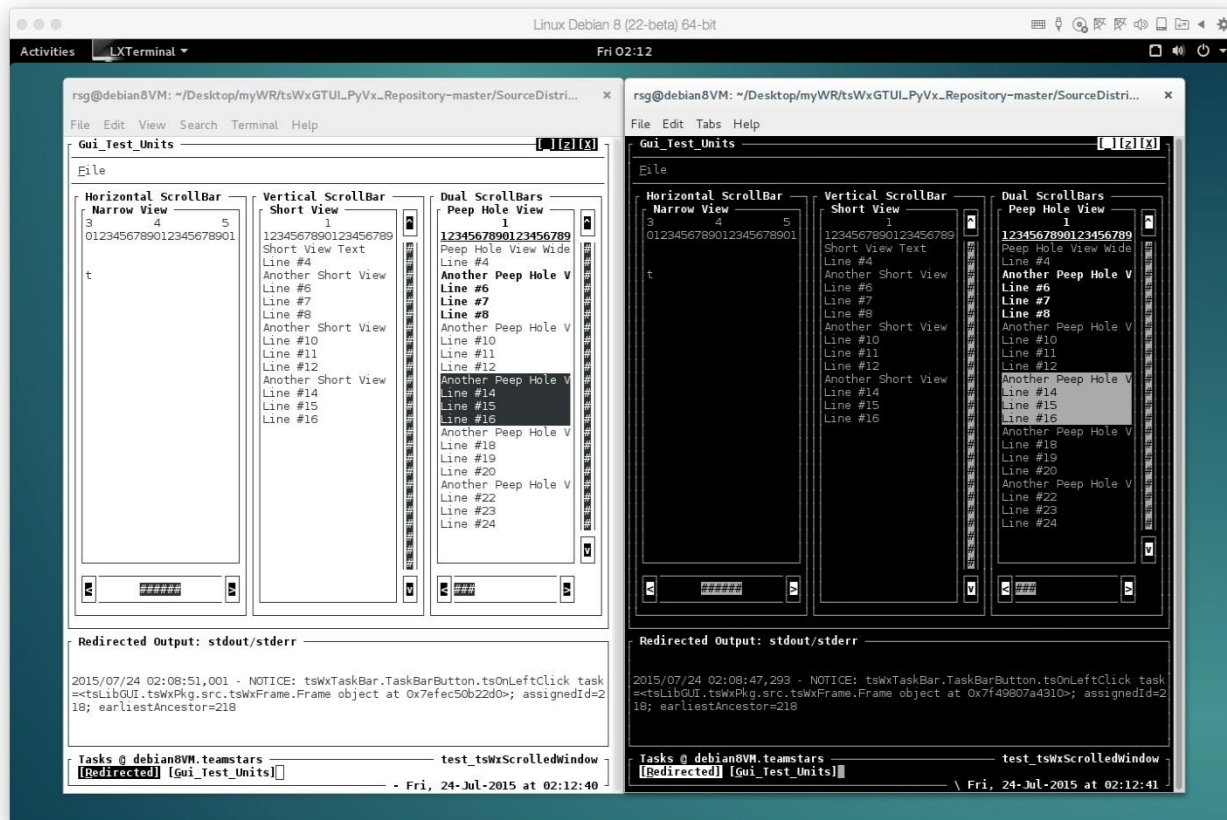
- **Blue Frame** (**Application partially hidden**)
 - With Title, Menu Bar, Horizontal & Vertical Gauges, Check Boxes and Status Bar
- **White Dialog** (**Application**)
 - With Title, Window Control Buttons, Radio Boxes and Radio Buttons
- **Black Redirected Output (stdout/stderr) Frame** (**Application Option**)
 - With Title and Output of
 - Date, Time & Severity-level stamped event notifications (**optional colorization not shown**)
- **Task Bar Frame** (**Application Option**)
 - With Title, Application Frame & Dialog Focus Control Buttons and Output of
 - Network (Name or IP-Address) & Program Name
 - Idle Time Spinner and Current Date & Time

Sample GUI Scrolled Windows (xterm 8-color) ([Table of Contents](#))



- **Blue Application Frame**
 - With Title, Menu Bar, Window Size & Close Control Buttons and three scrollable panels.
- **Three Scrollable Application Panels (Cyan Horizontal, Green Vertical & Yellow Dual)**
 - Each with Title and Output of
 - Multi-Colored & Non-Colored Text, Horizontal and/or Vertical scroll bars, associated clickable arrow buttons and clickable gauge depicting relative size and position or displayed text.
- **Black Redirected Output (stdout/stderr) Frame (Application Option)**
 - With Title and Output of
 - Colorized, date, time & severity-level stamped event notifications (**lowest severity debug-level shown**)
- **Task Bar Frame (Application Option)**
 - With Title, Application Frame Focus Control Buttons and Output of
 - Network (Name or IP-Address) & Program Name
 - Task (Redirected & Gui_Test_Units) Focus Control Buttons
 - Idle Time Spinner and Current Date & Time

Sample GUI Scrolled Windows Normal (vt100 Black-on-White) & Reversed (vt100 White-on-Black) ([Table of Contents](#))



- **Outer-Most Application Frames**
 - With Menu Bar, Window Size & Close Control Buttons and three scrollable panels.
- **Three Scrollable Application Panels (Horizontal, Vertical & Dual)**
 - Each with Non-Colored Text, Horizontal and/or Vertical scroll bars, associated clickable arrow buttons and clickable gauge depicting relative size and position or displayed text.
- **Black Redirected Output (stdout/stderr) Frame (Application Option)**
 - With Title and Output of
 - Non-Colorized, date, time & severity-level stamped event notifications (**lowest severity debug-level shown**)
- **Task Bar Frame (Application Option)**
 - With Title, Application Frame Focus Control Buttons and Output of
 - Network (Name or IP-Address) & Program Name
 - Task (Redirected & Gui_Test_Units) Focus Control Buttons
 - Idle Time Spinner and Current Date & Time



Professional Development Laptop System

(Table of Contents)

- **2007 Apple MacBook Pro Hardware**

- 2.33 GHz Intel Core 2 Duo processor
- 4 GB RAM
- 17" 1920x1200 pixel LCD display
- 160 GB (5400 RPM) SATA 1.5 Gb/s internal hard drive
- 1.5 TB (7200 RPM) SATA 3 Gb/s external hard drive
- Ethernet Network Adapter
- WiFi Wireless Network Adapter

- **Development / Embedded Software**

- MAC OS X 10.7.5 Lion
- Wing IDE 3-4
- LibreOffice
- Xemacs
- Python 2x & 3x

- **Guest (non-optimized) Embedded Software**

- **Parallels Desktop 8** Hypervisor for running Guest OS:
 - Linux (Fedora 20 32-bit, OpenSuSE 12.2 32-bit, Scientific (CentOS) 6.4-6.5 64-bit, Ubuntu 12.04 32-bit) with Python 2.7 and 3.2 with Wing IDE 3, LibreOffice and XEmacs
 - Microsoft Windows (XP, 7, 8 & 8.1 each with Cygwin 1.7.8) with Wing IDE 3, AuthorIt-5, Office 2002 & XEmacs
 - Unix (PC-BSD 9.2-10.0, OpenIndiana 151a3 & OpenSolaris 11) with LibreOffice and Xemacs
- **VMware Fusion 7** Hypervisor for running Guest OS:
 - Linux (OpenSuSE 13.1)
 - Microsoft Windows (2000)

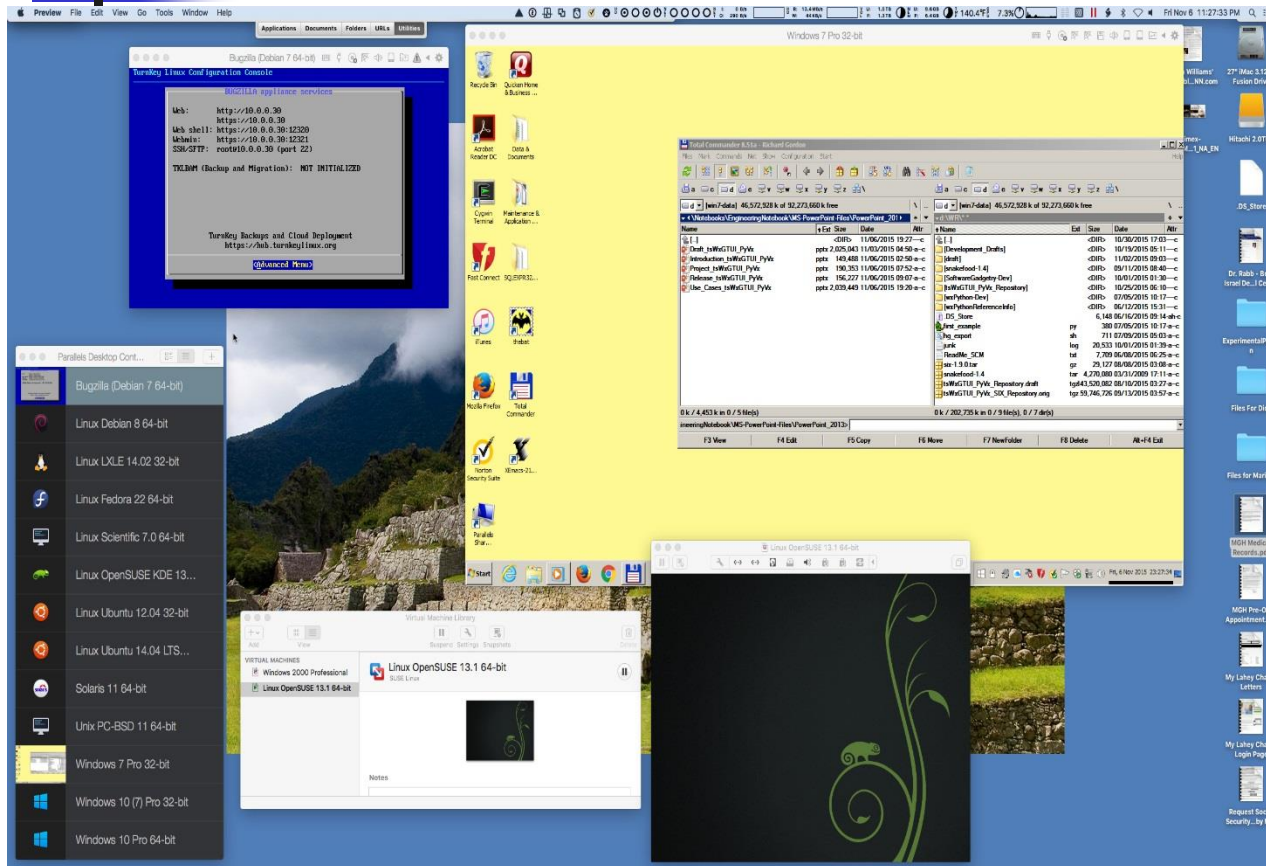
Professional Development Workstation System

([Table of Contents](#))

- **2013 Apple iMac Desktop Hardware**
 - 3.5 GHz Intel Quad Core i7 processor
 - 16 GB RAM
 - 27" 2560x1440 pixel LCD display
 - 3 TB (7200 RPM) SATA 6 Gb/s internal hard drive with 128 GB Solid State Flash memory
 - Ethernet Network Adapter
 - WiFi Wireless Network Adapter
- **Development / Embedded Software**
 - MAC OS X 10.11 El Capitan
 - Wing IDE 5
 - LibreOffice
 - Microsoft Office for Mac 2011
 - Xemacs
 - Python 2x & 3x

- **Guest (non-optimized) Embedded Software**
 - **Parallels Desktop 11** Hypervisor for running Guest OS:
 - Linux (Centos 7, Debian 8, Fedora 22, OpenSuSE 13.2, Scientific 7 & Ubuntu 14.04 LTS & 15.04) with Wing IDE 5, LibreOffice and XEmacs
 - Microsoft Windows (XP, 7, 8, 8.1 & 10) with Wing IDE 5, AuthorIt-5, Office 2002 & XEmacs
 - Unix (FreeBSD 11/PC-BSD 11, OpenIndiana 151a8 & OpenSolaris 11) with LibreOffice and XEmacs
 - **VMware Fusion 7** Hypervisor for running Guest OS:
 - Linux (OpenSuSE 13.1)
 - Microsoft Windows (2000)

Screenshot Professional Development Workstation System [\(Table of Contents\)](#)



Compatibility/ *Incompatibility* with the "tsWxGTUI_PyVx" Toolkit requires:

- Single or multi-core **16-bit, 32-bit or 64-bit processor**
- Multi-User, Multi-Process, Multi-Threaded Operating System **Linux, Mac OS X, Microsoft Windows (XP, or later, with free Linux-like Cygwin plug-in from Red Hat), Unix or any other OS type or version**
- NOTE: The *Sample Desktop* system can do more and do it faster than the *Sample Laptop* system. Intel-based Guest OS platforms substitute for their non-Intel counterparts.**

Hypervisor #1 on Mac OS X Yosemite with Intel Quad Core i7 64-bit (**Parallels** 11 Guest OS list in bottom left black window)

- Shown Running**
 - 64-bit (Debian Linux 7** running with Bugzilla Database & Apache Server in dark blue window at top left)
 - 32-bit (Microsoft Windows 7** running in yellow window at top right)
- NOT Running**
 - 64-bit (CentOS 7 Linux, Fedora 22 Linux, Microsoft Windows 10, PC-BSD 11 Unix, Open Indiana/Solaris 11 Unix, Scientific 7 Linux, Ubuntu 14.04 Linux)**
 - 32-bit (*eComStation 2.2 Beta5 OS/2*, LXLE 14.02 Linux, Microsoft Windows XP, 8, 8.1, 10, Ubuntu 12.04 Linux)**
 - 16-bit (*Microsoft Windows 98*)**

Hypervisor #2 on Mac OS X Yosemite with Intel Quad Core i7 64-bit (**VMware Fusion** 7 Guest OS list in bottom center white window)

- Shown Running**
 - 64-bit (Open SUSE 13.2 Linux** running in black window at bottom right)
- NOT Running**
 - 32-bit (*Microsoft Windows 2000*)**
 - 16-bit (*Microsoft DOS 6.2 with Windows 3.1*)**