UseCase_1_Sample_Screen_Shots

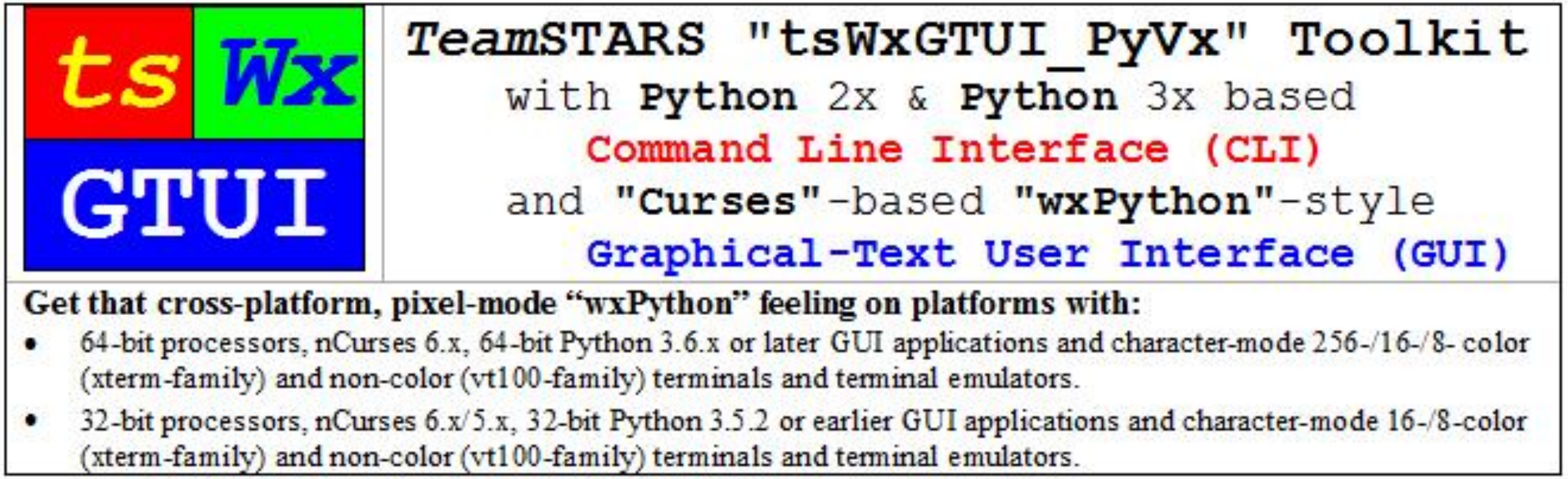
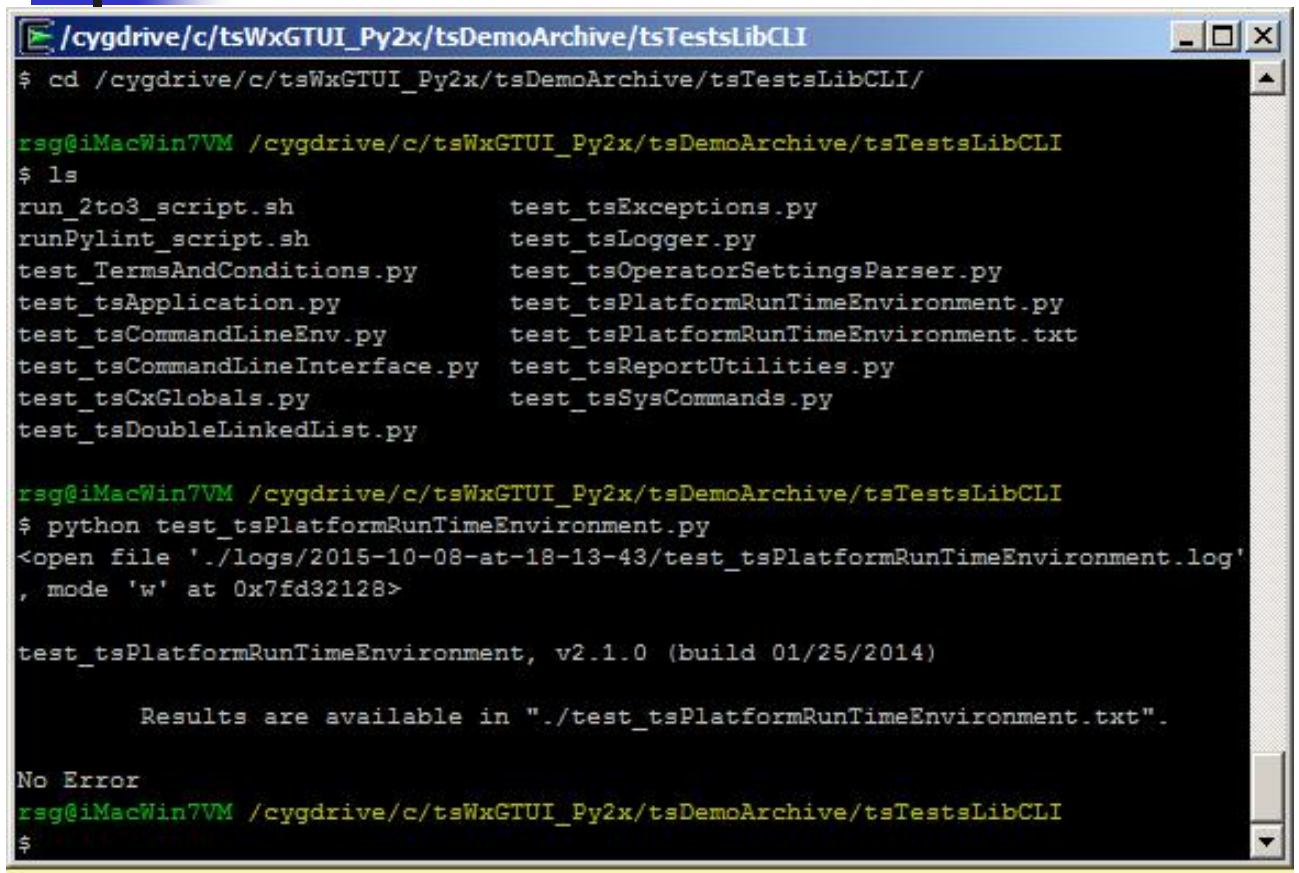


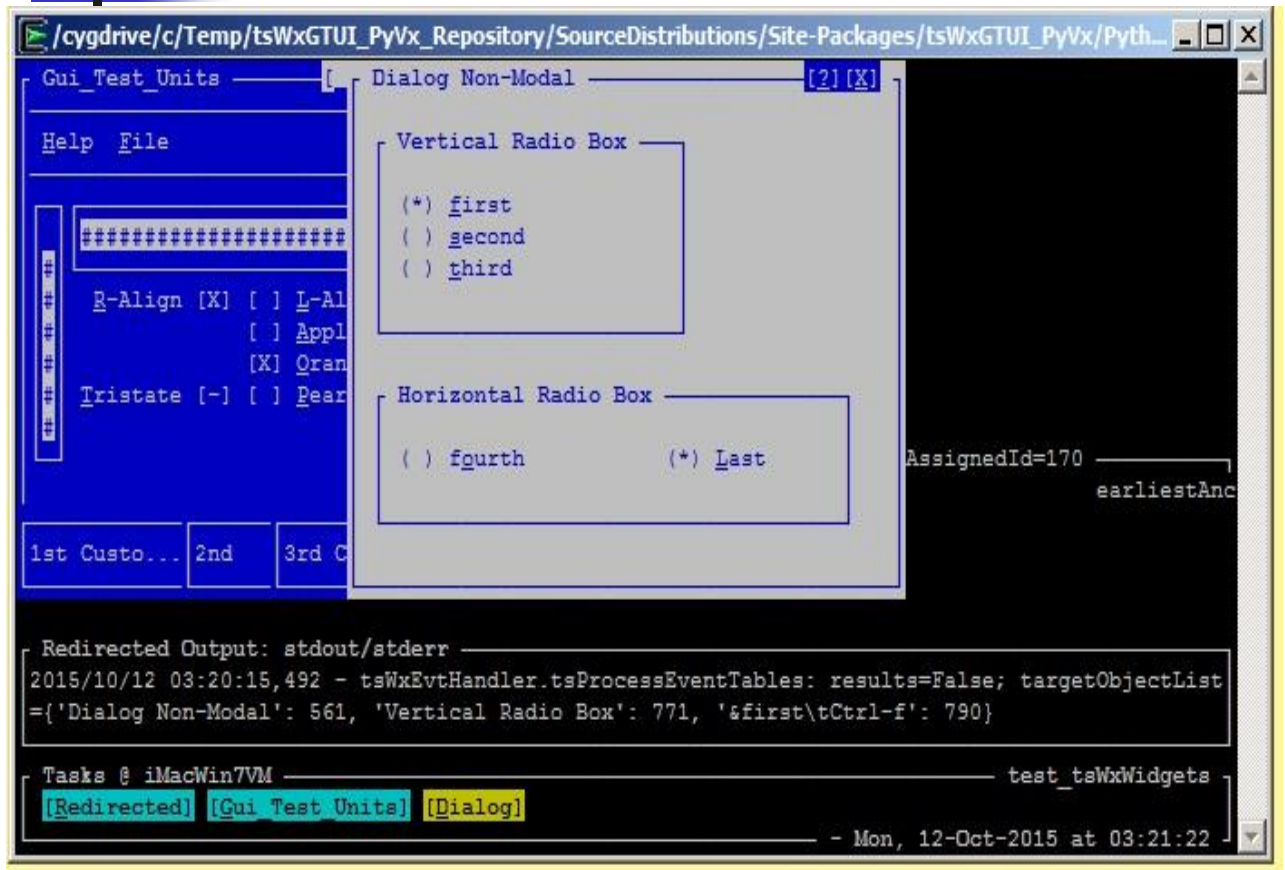
Table of Contents (*with slide show* Hyperlinks)

Sample CLI Display (Table of Contents)



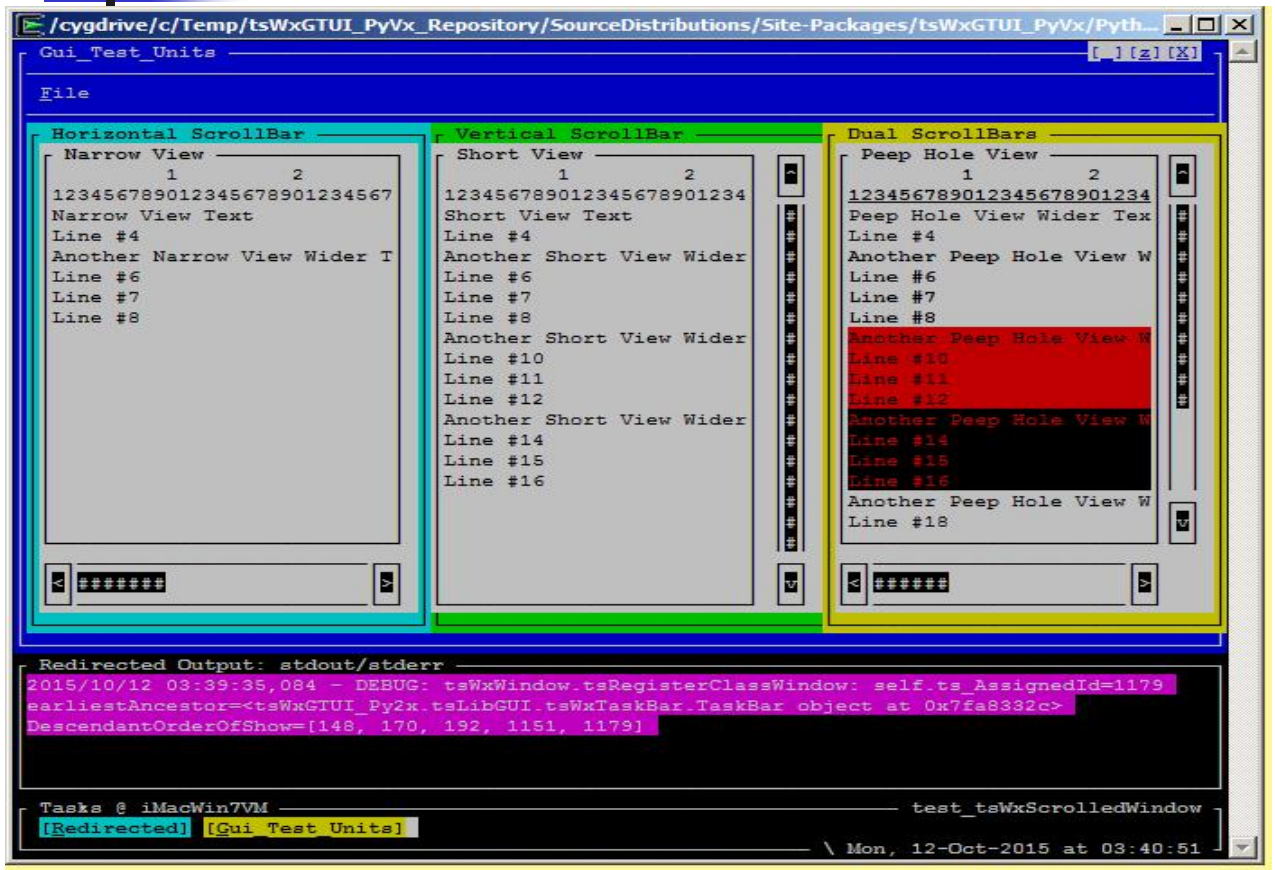
- The **cd** command, also known as **chdir**, changes the directory as specified.
- The **ls** command lists files in the directory.
- The **python** command executes the named program which displays the location of its results before terminating.

Sample GUI Widgets (Table of Contents)



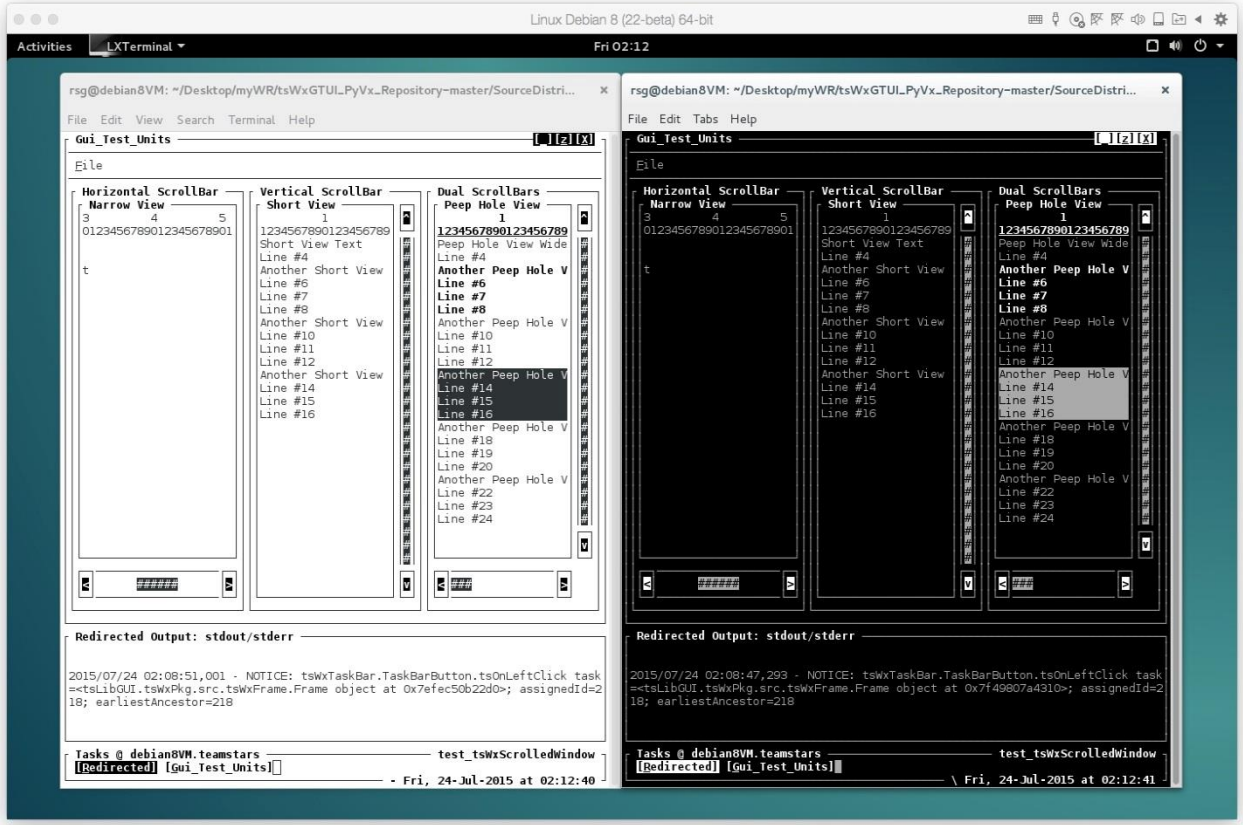
- **Blue Frame** (**Application partially hidden**)
  - With Title, Menu Bar, Horizontal & Vertical Gauges, Check Boxes and Status Bar
- **White Dialog** (**Application**)
  - With Title, Window Control Buttons, Radio Boxes and Radio Buttons
- **Black Redirected Output (stdout/stderr) Frame** (**Application 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

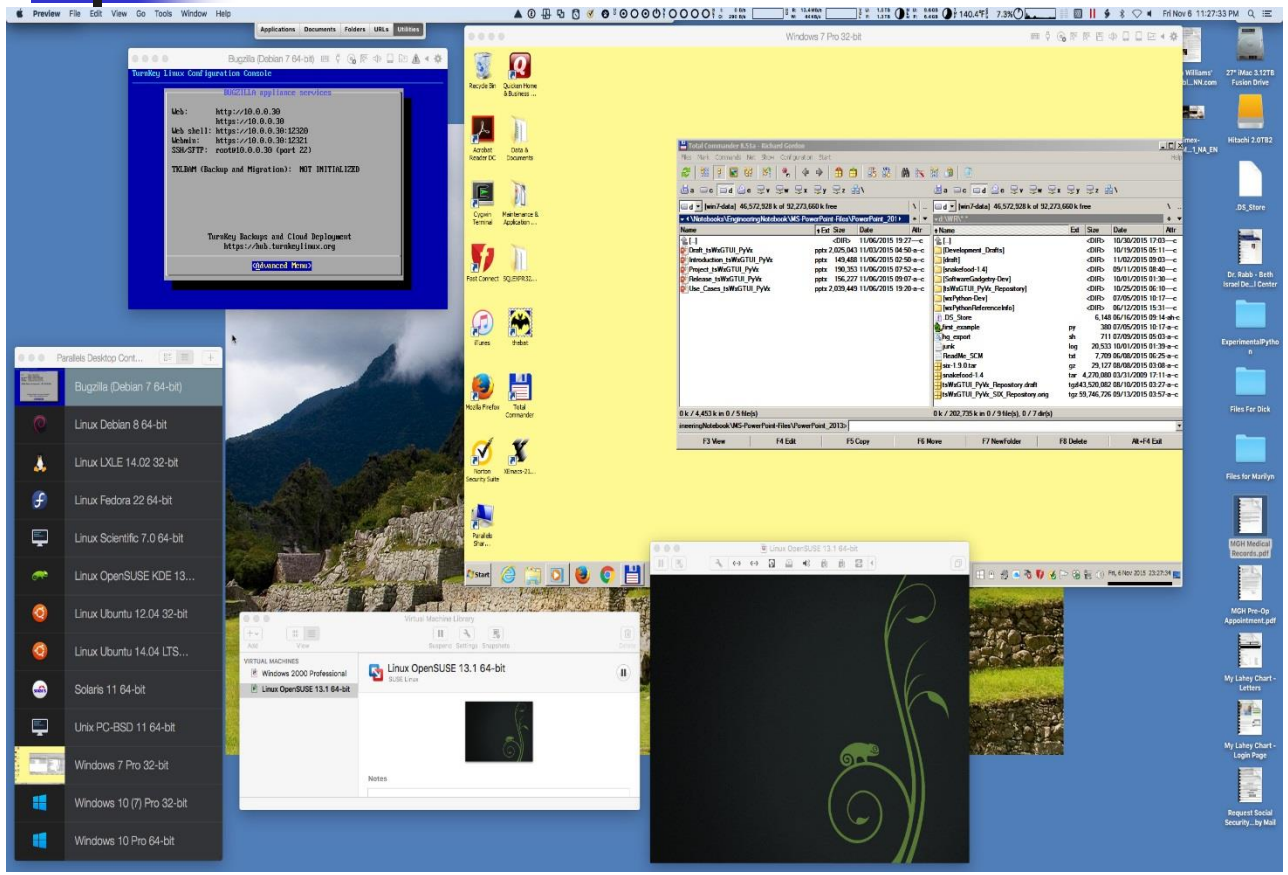
(Table of Contents)

- **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, LibraOffice 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 LibraOffice 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, LibraOffice 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 LibraOffice 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*)**