Release

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.

Table of Contents *(with slide show* [Hyperlinks]*)*

Command Line Interface (CLI) Capabilities (Table of Contents)

- Launch application programs with or without:
    - operator key word-value pair options
    - positional arguments
- Create platform configuration and event log files for date and time stamped messages notifying operator and field service of situations requiring:
    - immediate action
    - later troubleshooting
- Generate and return Unix-type exit code to coordinate operation of multiple collaborating scripts.

Graphical User Interface (GUI) Capabilities

- Launch character-mode wxPython-like application programs (mimicking the look and feel of native GUI applications on Microsoft Windows) with or without configurable options for:
  - Splash Screen containing:
    - Trademark, Copyright, License and/or Notice depending on screen size
  - Redirected Output containing:
    - Event log files for date and time stamped messages notifying operator of situations requiring immediate action
  - Taskbar containing:
    - A row of buttons that represent open programs, among which the user can switch back and forth by clicking on the appropriate button
- Generate and return Unix-type exit code to coordinate operation of multiple collaborating scripts.

Local & Remote Monitoring / Control Capabilities

- Once you've logged into your local computer, you can:
  - Launch one or more local shells (such as "**sh**" and "**bash**") associated with the local operating system's command line interface.
  - Use a local secure shell (such as "**ssh**") or a local non-secure shell (such as "**rsh**") to launch one or more remote shells (such as "**sh**" and "**bash**") associated with the remote operating system's command line interface.

- The local and remote operating system's command line interface provides access to associated terminal interface and the TeamSTARS "tsWxGTUI_PyVx" Toolkit's Python and "Curses" (or "nCurses") based character-mode user interfaces which enable you to monitor and control one or more local and remote application programs.

Pre-Alpha Stage Limitations

- Designates a program or application that is NOT:
    - Feature complete
    - Independently tested
    - Usually released to the public

- Developers are still deciding on what features the source code and documentation should have and are seeking input from third-parties willing to try it and provide constructive feedback.
    - Current source code and documentation is subject to change without notice.
    - Previous versions of the source code and documentation are archived and remain available in the GitHub repository.

TeamSTARS "tsWxGTUI_PyVx" Toolkit
prepared & presented by Richard S. Gordon

Engineering & User Issues and Associated Resolutions (Table of Contents)

- Associated "GitHub" Public **Repository** **Issues** Database:
  - Click on Menu Item of Interest ("**Pull requests**" | "**Issues**" | "**Gist**") on Top-Line of Repository Display Window
  - Click on Release Subdirectory and File Items of Interest

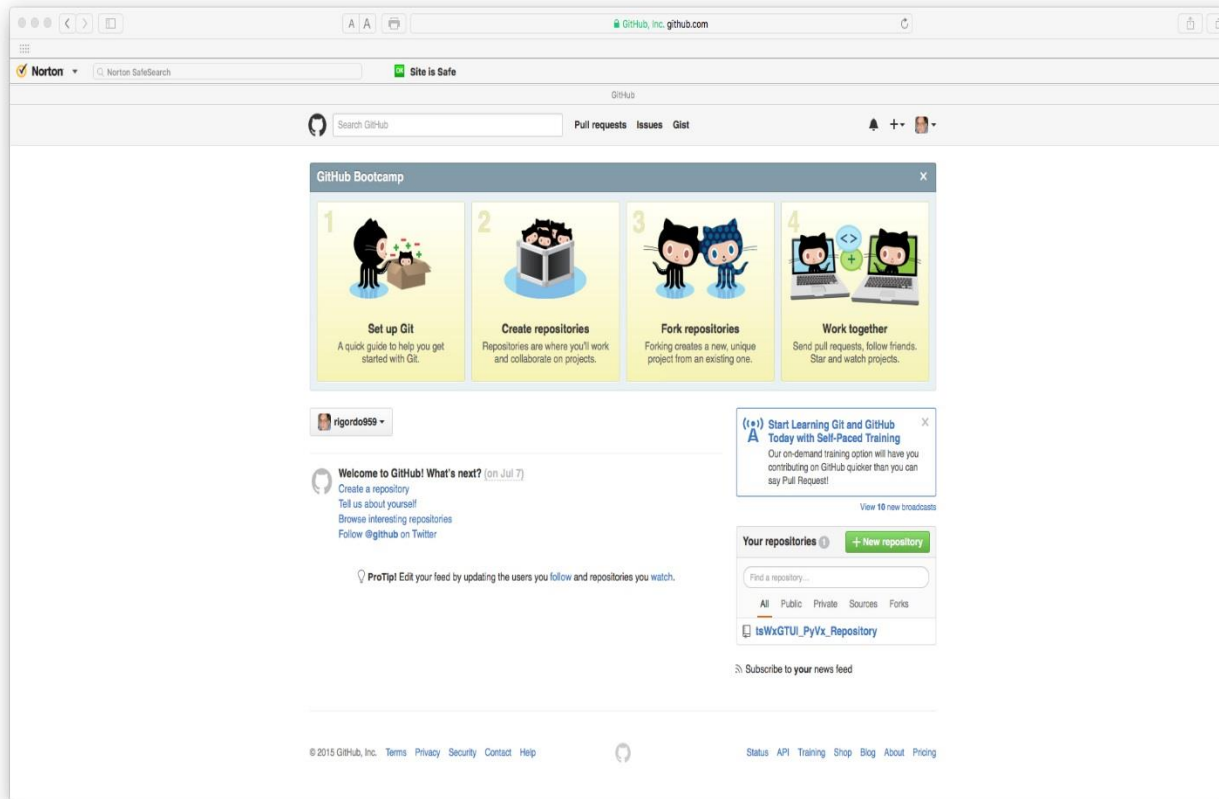- Associated "GitHub" Public Repository Subdirectories and Files
  - Click on Release Subdirectory and File Items of Interest
    - "./**Documents**" Subdirectory
      - "./Bugs.txt" file
      - "./Changes.txt" file
    - "./**SourceDistributions**" Subdirectory
      - "./Developer-Sandboxes" source code file(s)
      - "./Site-Packages" source code file(s)

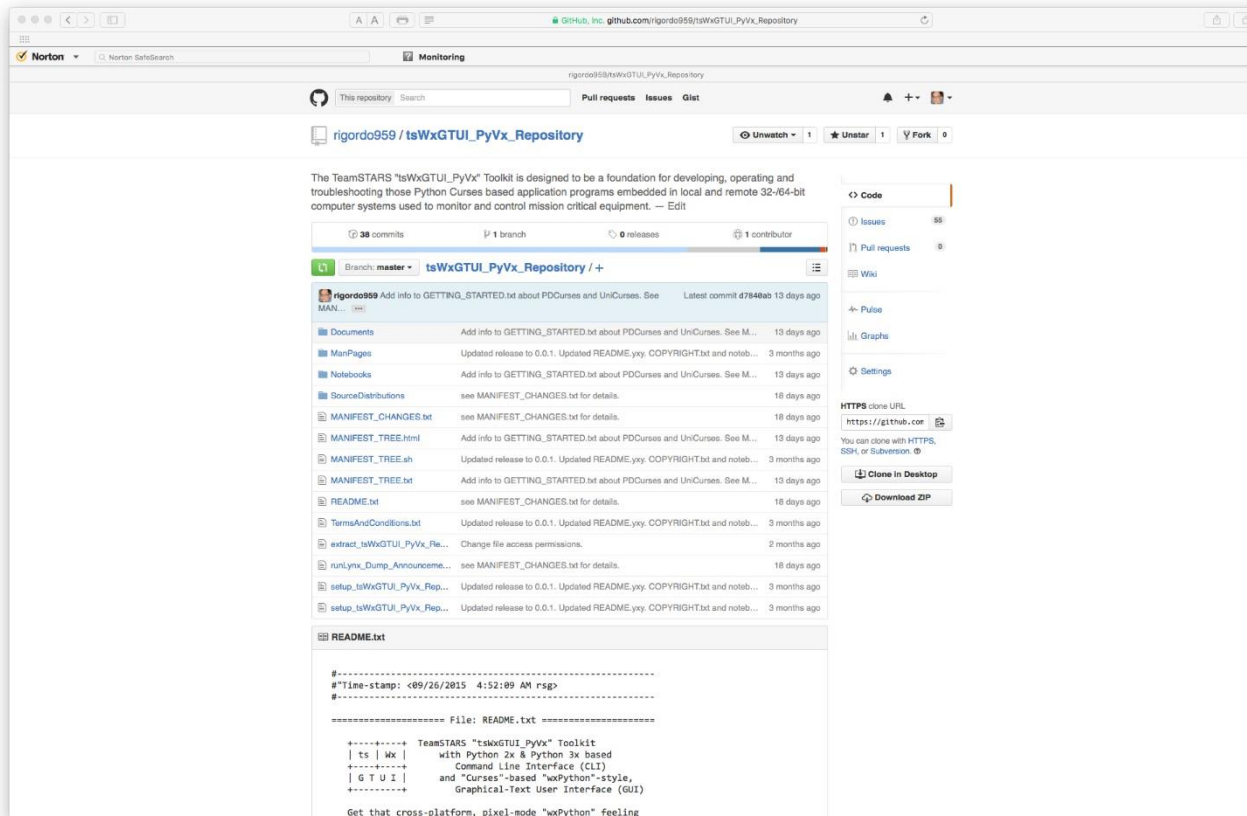# Where to get further information?

https://github.com/rigordo959/tsWxGTUI_PyVx_Repository
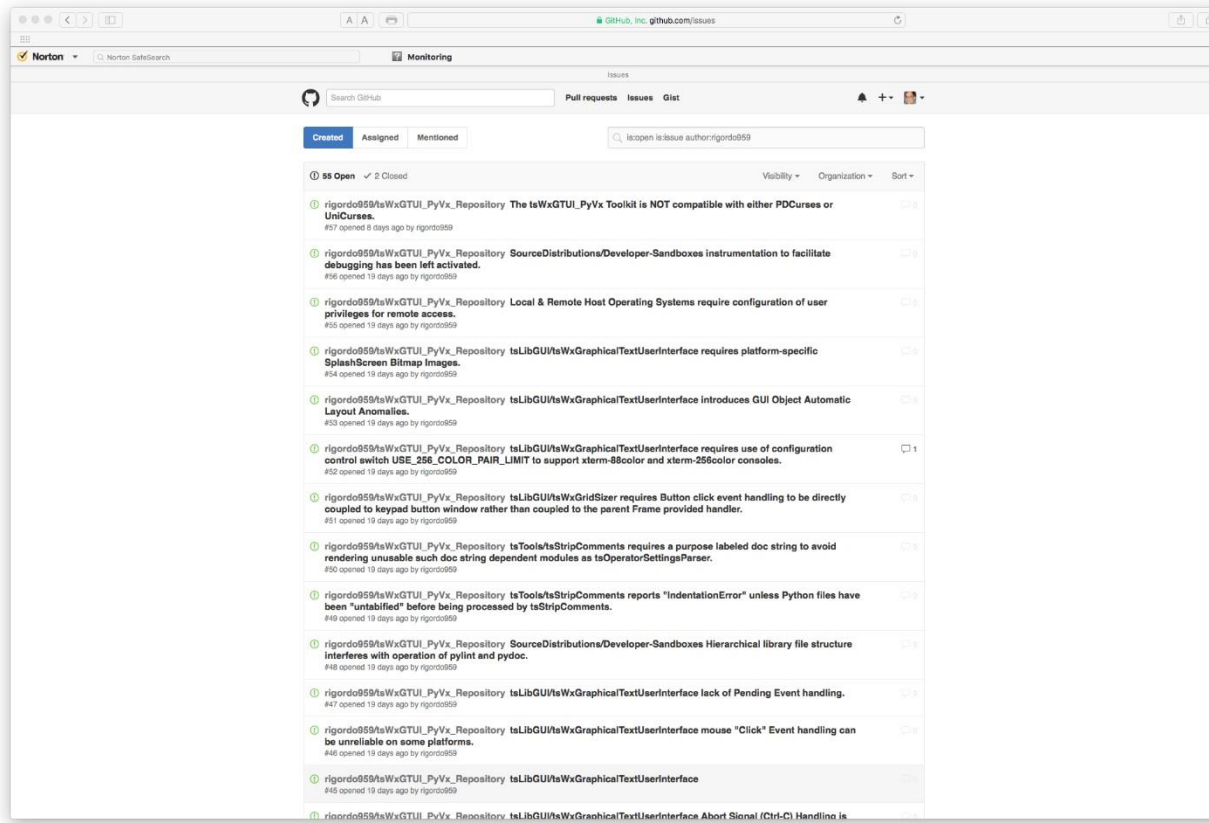
GitHub Repository Author Screen

- Click on an Item of Interest (icon "Set up Git", "Create Repositories", "Fork Repositories" or "Work Together") to initiate an activity

- Click on an Item of Interest (menu "Pull requests", "Issues" or "Gist) to initiate an activity or view its contents

GitHub Repository Display

- Click on an Item of Interest (menu "Pull requests", "Issues" or "Gist) to initiate an activity or view its contents

- Click on an Item of Interest (subdirectory or file) to view its contents

GitHub Repository Issues Display

- Click on an Item of Interest (menu "Pull requests", "Issues" or "Gist) to initiate an activity or view its contents

- Click on an Item of Interest (Issue list entry) to view its reported details and any subsequent comments