

# 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 character-mode 8-/16-color (xterm-family)  
and non-color (vt100-family) terminals and terminal emulators.*



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# Command Line Interface (CLI) Capabilities [\(Table of Contents\)](#)

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- 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 [\(Table of Contents\)](#)

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- 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

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- 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 [\(Table of Contents\)](#)

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- 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.



# 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? ([Table of](#)

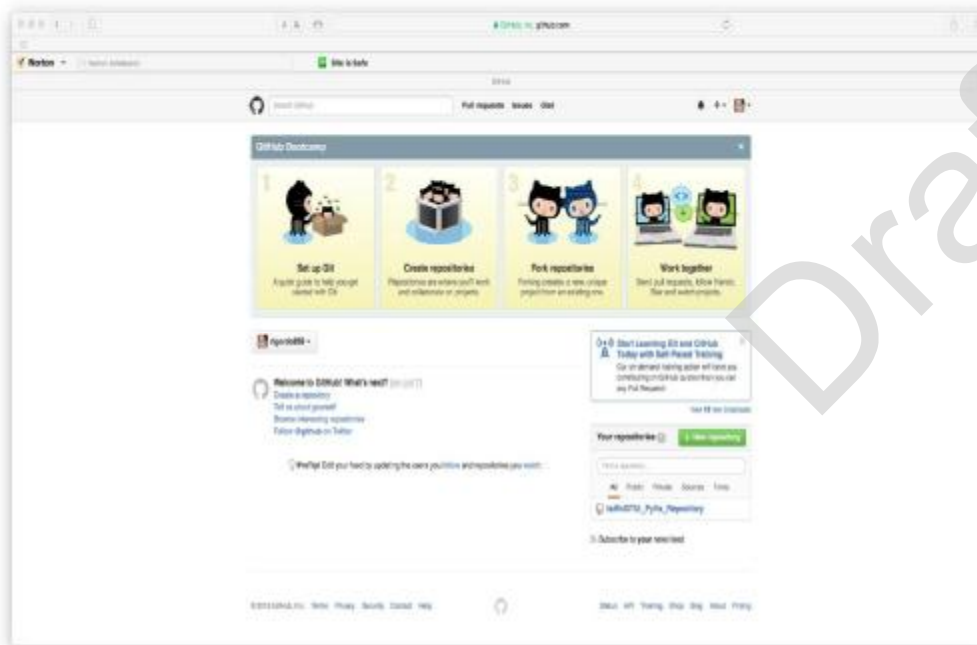
[Contents](#))

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[https://github.com/rigordo959/tsWxGTUI PyVx Repository](https://github.com/rigordo959/tsWxGTUI_PyVx_Repository)

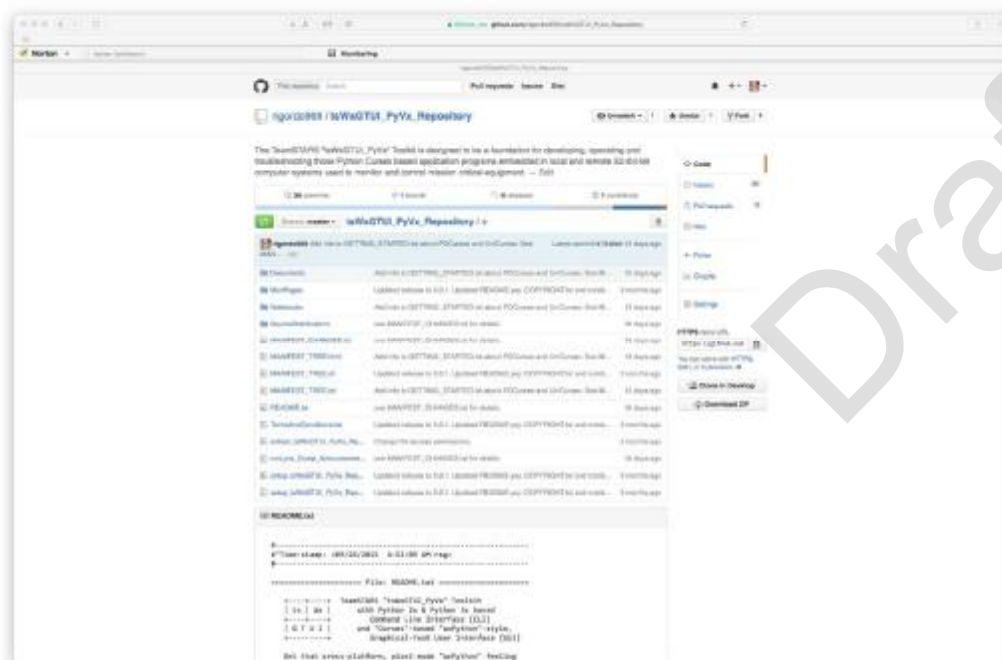


# GitHub Repository Author Screen [\(Table of Contents\)](#)



- 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 [\(Table of Contents\)](#)



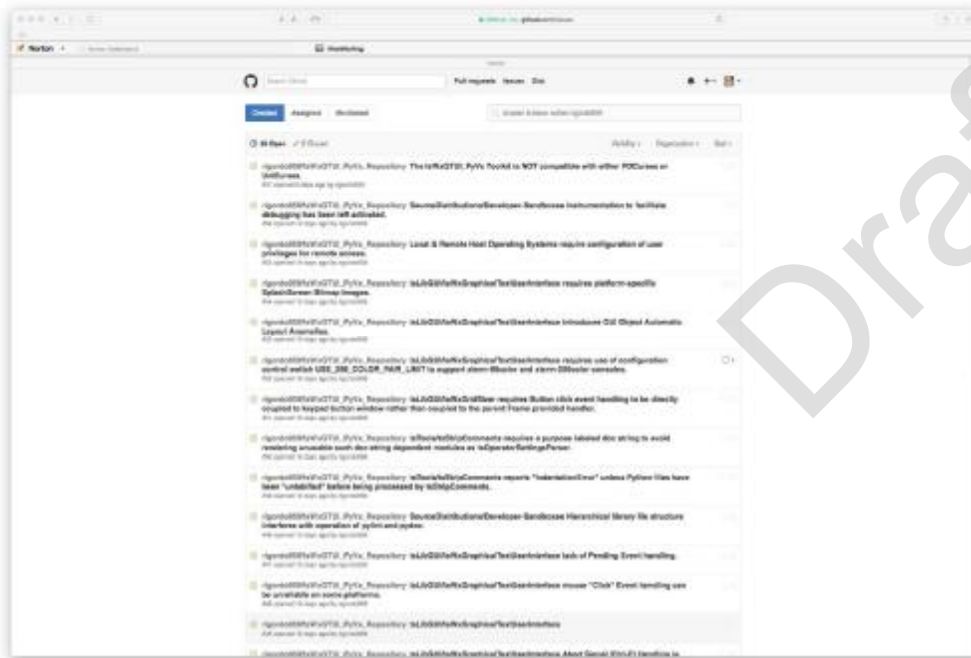
- Click on an Item of Interest (menu "Pull requests", "Issues" or "Gist") to initiate an activity or view its contents
- Click on an Item of Interest (subdirectory or file) to view its contents

11/29/2015

TeamSTARS "tsWxGTUI\_PyVx" Toolkit  
prepared & presented by Richard S. Gordon

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# GitHub Repository Issues Display [\(Table of Contents\)](#)



- 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