Subject: Re: A terminal emulator widget for U++
Posted by Oblivion on Sun, 17 Aug 2025 13:48:55 GMT
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Hi,

Happy to announce that TerminalCtrl 2025.2 (v1.0) is released.

What's Changed

Requirements
- U++ 2025.1
- C++17

Highlights

- `PtyWaitEvent` class added for proper event waiting across the supported platforms.
- `PtyProcess` class now check for the dll version of ConPty first, to take advantage of the newest features and improvements.
- A subset of semantic information protocol (`OSC 133`) is implemented.
- Option to treat ambiguous width characters as wide characters.

Changes and Fixes

TerminalCtrl: Semantic information protocol (OSC 133) (59c332c)
TerminalCtrl: Synchronized output feature detection. (7013fa8)
TerminalCtrl: VT mouse events are now ignored if the terminal is in read-only mode. (37bb880)
TerminalCtrl: Clipboard access protocol (write) is advertised in DA. (4f62f0f)
TerminalCtrl: XTVERSION sequence fix (thanks @j4james) (1f3ff94)
TerminalCtrl: Extendended Color format parsing refactored and optimized. (17c737c)
TerminalCtrl: DECRPM 2027 added (reports as permanently reset). (2b1a863)
TerminalCtrl: Parser optimization (d051a38)
TerminalCtrl: VTCell: IsSpecial() method added. VTPage: Minor optimizations. (5af5a33)
TerminalCtrl: Unused insert unicode menu item removed (should be implemented by client code) (6b5d9b1)
TerminalCtrl: Minor renderer optimizations. (bdbd35f)
TerminalCtrl: SetEmulationLevel & SetDeviceConformanceLevel methods are refactored. (511eb34)
TerminalCtrl: RefreshDisplay() method refactored and optimized. (a5b88ee)
TerminalCtrl: Background paint (inverse video) fix. (7b8deb8)
TerminalCtrl: Line length calculation is corrected. (c27c437)
TerminalCtrl: VTPage: Line offset calculation is corrected. (67fa91a)
TerminalCtrl: Option to treat ambiguous chars as wide (2 column) chars. (0f856ee)
TerminalCtrl: Width table updated (ambiguous width chars added). (abc7e6b)
TerminalCtrl: Width table updated (formatting chars table added). (4e6fb72)
TerminalCtrl: Device ID can be changed by the client. (09dff1d)
TerminalCtrl: Report extendend device attributes (term id). (185c9ac)

TerminalCtrl: Selector Mode now automatically initializes to text mode if the mode is unspecified (proper init). (6ecda9d)
TerminalCtrl: Examples are updated to reflect PtyWaitEvent integration & readme updated. (0a2ce7a)

PtyProcess: Windows ConPty now loads as dll. (1ccd90b)
PtyProcess: PtyWaitEvent class is added. Read method (win) refactored. (2fb3e25)

TerminalCtrl is the powerful VT engine behind Bobcat terminal emulator.

Enjoy!