Subject: Re: A terminal emulator widget for U++
Posted by Oblivion on Sun, 13 Apr 2025 12:08:19 GMT
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Hi,

TerminalCtrl has gained another capability, another feature: Semantic Information Protocol, or OSC 133

Sequence	Description	Device Level
`OSC 133 ; [command] ST`	Sets the semantic information, starting from the cursor position.	Level 1

Notes

- `command` can be one of the following four values (case sensitive):
  - `A`: Marks the starting point of the shell prompt.
  - `B`: Marks the end of the shell prompt and the start of the user input.
  - `C`: Marks the end of the user input and the start of the command output.
  - `D`: Marks the end of the command output.

- TerminalCtrl currently supports only a minimal--but reasonable--subset of this protocol. This may change in the future.
- TerminalCtrl does not process or display semantic information by itself. Instead, it is up to the client code to make use of the protocol, typically in combination with features like cell highlighting or search functionality.

Well, what is it good for, you might ask.

It allows clear separation between three semantically different sections of terminal output, usually on shells: prompt, user input and command output.
By this separation, it becomes possible to treat three different section of terminal output separately. For example, a search function can search exclusively for command outputs, user inputs or prompts.
Or extracting and highlighting only a specific type of data (e.g. command outputs) become possible.

Of course, Bobcat will utilize this protocol ASAP.

Best regards,
Oblivion