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ZOC TERMINAL

vttest vt100/vt102 Compatibility Score

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1 Introduction

vttest is an application that is used to demonstrate features of VT100 and related terminals, or emulations thereof, such as xterm. The program was originally written in 1986 by Per Lindberg. It has been maintained and extended since 1996 by Thomas Dickey, to test and demonstrate features of xterm. The score system in this document is based on the Columbia University vttest score sheet.

ZOC Terminal is a multi-purpose terminal emulator, telnet-client and ssh-client which features multiple emulations, including VT100.

2 Overall Test Result

Program and version: ZOC Terminal v7.21
Date: 09/2018

Score 97 + Extra credit 8 => Final score: 105 Points

3 Individual Tests

Check if test passed.
Score 1 point per check mark.
Perfect score = 100 points.
Extra credit score at end.

3.1 Test of cursor movements

✓ 1. Text inside frame of E's inside frame of *'s and +'s, 80 columns

✓ 2. Text inside frame of E's inside frame of *'s and +'s, 132 columns

✓ 3. Cursor-control chars inside ESC sequences

✓ 4. Leading 0's in ESC sequences

3.2 Test of screen features

✓ 5. Three identical lines of *'s (test of wrap mode)

✓ 6. Test of tab setting/resetting

✓ 7. 132-column mode, light background

✓ 8. 80-column mode, light background

✓ 9. 132-column mode, dark background

✓ 10. 80-column mode, dark background

11. Soft scroll down

12. Soft scroll up / down

✓ 13. Jump scroll down

✓ 14. Jump scroll up / down

✓ 15. Origin mode test (2 parts)

3.2.1 Graphic Rendition test pattern, dark background

✓ 16. Normal ("vanilla")

✓ 17. Normal underlined distinct from normal

✓ 18. Normal blink distinct from all above

✓ 19. Normal underline blink distinct from all above

✓ 20. Normal reverse ("negative") distinct from all above

✓ 21. Normal underline reverse distinct from all above

✓ 22. Normal blink reverse distinct from all above

✓ 23. Normal underline blink reverse distinct from all above

✓ 24. Bold distinct from all above

✓ 25. Bold underlined distinct from all above

✓ 26. Bold blink distinct from all above

✓ 27. Bold underline blink distinct from all above

✓ 28. Bold reverse ("negative") distinct from all above

✓ 29. Bold underline reverse distinct from all above

✓ 30. Bold blink reverse distinct from all above

✓ 31. Bold underline blink reverse distinct from all above

3.2.2 Graphic Rendition test pattern, light background

✓ 32. Normal ("vanilla")

✓ 33. Normal underlined distinct from normal

✓ 34. Normal blink distinct from all above

✓ 35. Normal underline blink distinct from all above

✓ 36. Normal reverse ("negative") distinct from all above

✓ 37. Normal underline reverse distinct from all above

✓ 38. Normal blink reverse distinct from all above

✓ 39. Normal underline blink reverse distinct from all above

✓ 40. Bold distinct from all above

✓ 41. Bold underlined distinct from all above

✓ 42. Bold blink distinct from all above

✓ 43. Bold underline blink distinct from all above

✓ 44. Bold reverse ("negative") distinct from all above

✓ 45. Bold underline reverse distinct from all above

✓ 46. Bold blink reverse distinct from all above

✓ 47. Bold underline blink reverse distinct from all above

3.2.3 Save/Restore Cursor

✓ 48. AAAA's correctly placed

✓ 49. Lines correctly rendered (middle of character cell)

✓ 50. Diamonds correctly rendered

3.3 Test of character sets

✓ 51. UK/National shows Pound Sterling sign in 3rd position

✓ 52. US ASCII shows number sign in 3rd position

✓ 53. SO/SI works (right columns identical with left columns)

✓ 54. True special graphics & line drawing chars, not simulated by ASCII

3.4 Test of double-sized chars

3.4.1 Test 1 in 80-column mode

✓ 55. Left margin correct

✓ 56. Width correct

3.4.2 Test 2 in 80-column mode

✓ 57. Left margin correct

✓ 58. Width correct

3.4.3 Test 1 in 132-column mode

✓ 59. Left margin correct

✓ 60. Width correct

3.4.4 Test 2 in 132-column mode

✓ 61. Left margin correct

✓ 62. Width correct

✓ 63. "The man programmer strikes again" test pattern

✓ 64. "Exactly half the box should remain"

3.5 Test of keyboard

✓ 65. LEDs.

66. Autorepeat

- ✓ 67. "Press each key" (ability to send each ASCII graphic char)
- ✓ 68. Arrow keys (ANSI/Cursor key mode reset)
- ✓ 69. Arrow keys (ANSI/Cursor key mode set)
- ✓ 70. Arrow keys VT52 mode
- ✓ 71. PF keys numeric mode
- ✓ 72. PF keys application mode
- ✓ 73. PF keys VT52 numeric mode
- ✓ 74. PF keys VT52 application mode
- ✓ 75. Send answerback message from keyboard
- ✓ 76. Ability to send every control character

3.6 Test of Terminal Reports

- ✓ 77. Respond to ENQ with answerback
- ✓ 78. Newline mode set
- ✓ 79. Newline mode reset
- ✓ 80. Device status report 5
- ✓ 81. Device status report 6
- ✓ 82. Device attributes report
- ✓ 83. Request terminal parameters 0
- ✓ 84. Request terminal parameters 1

3.7 Test of VT52 submode

- ✓ 85. Centered rectangle
- ✓ 86. Normal character set
- ✓ 87. Graphics character set
- ✓ 88. Identify query

3.8 VT102 Features

- ✓ 89. Insert/delete line, 80 columns
- ✓ 90. Insert (character) mode, 80 columns
- ✓ 91. Delete character, 80 columns
- ✓ 92. Right column staggered by 1 (normal chars), 80 columns
- ✓ 93. Right column staggered by 1 (double-wide chars)14:21 21.08.2018, 80 columns
- ✓ 94. ANSI insert character, 80 columns
- ✓ 95. Insert/delete line, 132 columns
- ✓ 96. Insert (character) mode, 132 columns
- ✓ 97. Delete character, 132 columns
- ✓ 98. Right column staggered by 1 (normal chars), 132 columns
- ✓ 99. Right column staggered by 1 (double-wide chars), 132 columns
- ✓ 100. ANSI insert character, 132 columns

3.9 Extra credit

- 101. True soft (smooth) scroll
- ✓ 102. True underline
- ✓ 103. True blink
- ✓ 104. True double-high/wide lines, not simulated
- ✓ 105. Reset terminal (*)
- ✓ 106. Interpret controls (debug mode) (*)
- ✓ 107. Send BREAK (250 msec) (*)
- ✓ 108. Send Long BREAK (1.5 sec) (*)
- ✓ 109. Host-controlled transparent / controller print (*)
- 110. Host-controlled autoprint (*)

(*) Features of VT100 not tested by vttest.