

## Stuart2.4 Bug Fixes

There are a number of bug and mis-feature fixes in Stuart2.4. Some are related to NeXTSTEP3.0pr support, some are foreign keyboard support, and some are related to outright bugs. There are not any NeXTSTEP3.0 features, per-se, unless you consider the ability to execute under NeXTSTEP3.0pr1 to be a feature.

- Stuart2.3 contained a bug related to miniwindow icons that caused it to crash on startup under NeXTSTEP3.0pr1.
- The miniwindow icon now correctly shows the NeXTSTEP3.0 shading.
- When Meta is disabled, **all** main keyboard Alternate translation is disabled.
- When Meta is disabled, dead-key supression is also disabled.
- There is a flag to allow disabling Alternate translation on the keypad, also.
- Stuart now emulates an apparent bug in Terminal's vt100

emulation which causes Terminal to not home the cursor when the scrolling region is set to the entire screen. This emulation only occurs when TermcapSpoof is turned on.

- Stuart contained a bug which could cause it to crash when the cursor "bounced" against the right hand side of the window before autowrapping.
- The upper limit on the incoming text buffer has been raised from 64k to 4Gig. This affects large Paste functions (obviously, those at or above 64k in size). There will be no extensions beyond the 4Gig mark.
- Large pastes now **work**, too - previously, even some sub-64k pastes did not work correctly.
- Pty speed is initialized to 38.4kbaud rather than 9600baud.
- Stuart can trace the executable's directory through symbolic links. Thus, Stuart works correctly if you link to the Stuart.app/Stuart file.
- Stuart no longer hardwires logging to utmp and fixing of pty ownerships to the SourceDotLogin flag. These are separate options now.

- Stuart now uses a subprocess called **slog** to provide the functionality previous supplied by StuartLog. At many sites, StuartLog would hang for no apparent reason causing a great deal of annoyance. This hanging was apparently related to large netinfo databases, slow computers, and people with many autolaunch-on-login programs. slog is a subprocess that runs continuously for the life of Stuart, with one slog process per running Stuart. Source is still included.
- Stuart now kills subprocesses on window close using SIGHUP.
- Keypad now defaults to NeXT keypad instead of vt100 keypad.
- Font Panel correctly allows Letter Gothic as a fixed-pitch font (it should work with all other fixed-pitch fonts, too).