

# PuTTY 0.84 is released

Simon Tatham [anakin at pobox.com](mailto:anakin@pobox.com)

Fri May 22 11:50:55 BST 2026

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PuTTY version 0.84 is released  
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All the pre-built binaries, and the source code, are now available from the PuTTY website at

<https://www.chiark.greenend.org.uk/~sgtatham/putty/>

0.84 fixes the following security vulnerabilities:

- Previous versions of PuTTY can be made to crash during SSH connection startup, by a malicious server or a MITM attacker substituting malicious data in the initial SSH key exchange. Two different bugs allow the server to cause an assertion failure or a double-free crash.
- If you use an old insecure connection protocol like Telnet, and connect through a proxy server that requires you to enter a password, then the whole Telnet connection was accidentally marked with the 'trust sigil' that distinguishes prompts from PuTTY itself from prompts sent by the server. This could conceivably have fooled a user into believing a malicious server's phony request for your proxy password.

0.84 has some new features:

- PuTTY now has the option to run a user-specified command before making its main network connection. You could use this, for example, to perform a port knock or other network operation that temporarily opens the port you want to connect to.
- On Unix, PuTTY's terminal now supports displaying 'pre-edit text', showing what you have typed so far while you're entering a multi-key sequence that generates a single Unicode character.

0.84 also has various bug fixes:

- In the Unix version, you couldn't configure a certificate authority for certified host keys using the GUI, unless you had first manually created the directory where PuTTY stores the configuration.
- Fixed spurious error "Network error: Socket is not connected" when connecting via an HTTP proxy that requires authentication.
- On Windows, if you disable cursor blinking systemwide in Control Panel but have it turned on in PuTTY, PuTTY would blink the cursor frantically.
- Improved support for running the Unix version on Wayland: pterm won't crash when trying to stamp utmp, and a sensible default font will be selected instead of complaining about trad X11 'fixed' being missing.

Enjoy using PuTTY!

Cheers,  
Simon

```
--  
import hashlib; print((lambda p,q,g,y,r,s,m: (lambda w:(pow(g,int(hashlib.sha1(  
m.encode('ascii')).hexdigest(),16)*w%q,p)*pow(y,r*w%q,p)%p)%q)(pow(s,q-2,q))==r  
and s%q!=0 and m)(12342649995480866419, 2278082317364501, 1670428356600652640,  
5398151833726432125, 645223105888478, 1916678356240619, "<anakin\_at\_pobox.com>"))
```

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