Basic usage of PuTTY

Homepage: https://www.putty.org

1 Download and install PuTTY

Download: https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html

Download PuTTY: latest release (0.76)

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This page contains download links for the latest released version of PuTTY. Currently this is 0.76, released on 2021-07-17.

When new releases come out, this page will update to contain the latest, so this is a good page to bookmark or link to. Alternatively, here is a permanent link to the 0.76 release.

Release versions of PuTTY are versions we think are reasonably likely to work well. However, they are often not the most up-to-date version of the code available. If you have a problem with this release, then it might be worth trying out the <u>development snapshots</u>, to see if the problem has already been fixed in those versions.

Package files				
You probably w	ant one of these. They include versions of	f all the PuTTY utili	ies.	
(Not sure wheth	er you want the 32-bit or the 64-bit version	on? Read the FAQ er	try.)	
MSI ('Window	s Installer')			
64-bit x86:	putty-64bit-0.76-installer.msi	(or by FTP)	(signature)	
64-bit Arm:	putty-arm64-0.76-installer.msi	(or by FTP)	(signature)	
32-bit x86:	<u>putty-0.76-installer.msi</u>	(or by FTP)	(signature)	
Unix source are	chive			

Pick the installer suiting best your current system and run it afterwards. Follow the instructions and finish the process. You should be able to see the following interface after starting the PuTTY-application.

Session	Basic options for your PuT	TY session
Logging	Specify the destination you want to	connect to
- Teminal	Host Name (or IP address)	Port
Bell		22
···· Features ··· Window	Connection type:	SSH OSeria
Appearance Behaviour Translation Selection Colours Connection Data	 Load, save or delete a stored session Saved Sessions 	n
	Default Settings	^ Load
		Save
Telnet		Delete
⊷ Rlogin ⊕- SSH		~
	Close window on exit: Always Never Only	y on clean exit

2.1 Quickstart

Open PuTTY and insert the IP or hostname into the specified textbox and change the port as needed.

Session	Basic options for your PuTT	l session
Logging ⊡- Terminal Keyboard	Specify the destination you want to con Host Name (or IP address) taurus.hrsk.tu-dresden.de	nnect to Port 22
	Connection type: SSH Serial Other: Te	elnet
Behaviour Translation Selection Colours Connection	Load, save or delete a stored session Saved Sessions Default Settings	▲ Load
Data Proxy ⊕ SSH Serial Telnet		Save Delete
	Close window on exit: Always Never Only on clean exit	

Click "Open" to start your new session. A Terminal will open up as new window. This action will do basicly the same as using the command ssh taurus.hrsk.tu-dresden.de:22 on a linux system.

🗬 taurus.hrsk.tu-dresden.de - PuTTY	<u></u>	\times
🛃 login as: 🗌		\sim
		\sim

After inserting your ZIH-Login + passphrase as authentification it will continue to log you into the targeted system.

2.2 Configured session

Instead of simply start a session and use the configured authentification method, you can preconfigure some values.

Step 1 - Define the connection target

We start again by defining the hostname or IP and the port we want to connect to. But this time we wont just open the session right away.

- Session	Basic options for your	PuTTY session
Logging ⊡- Terminal Keyboard	Specify the destination you want Host Name (or IP address) taurus.hrsk.tu-dresden.de	to connect to Port 22
Join Seatures Window Appearance Behaviour Translation Selection Onnection Data Proxy SSH Sertal Telnet Rlogin SUPDUP	Connection type:	r: Telnet 🔻
	Load, save or delete a stored se Saved Sessions	ssion
	Default Settings	Load Save
		V Delete
	Close window on exit:	

Step 2 - Set an username

Use the tree-navigation on the left side to navigate to *Connection-Data* There you will find a textbox, which allows to set an *"Auto-login username"*. After entering your username the application will basicly perform the same action as the command ssh user@taurus.hrsk.tu-dresden.de:22 on a linux system.

Session	Data to s	send to the server		
Logging Terminal Keyboard Bell Features	Login details Auto-login usemame When usemame is not s Prompt Ouse s	specified: ystem username (ekeller)		
Window	Terminal details	Terminal details		
Appearance Behaviour	Terminal-type string	xterm		
Translation Selection	Terminal speeds	38400,38400		
⊡ ·· Colours ⊒ ·· Connection ⊡ Data	Environment variables Variable	Ac	bb	
Proxy Telnet Rlogin III SSH	Value	Rem	1076	
T Serial				
About	ielo	Open Cano		

Step 3 - Set a SSH-key

Note: For being able to use a ssh-key to lo into a system, you have to register the key on the system before! Simply add the public-key to "~/.ssh/authorized_keys" and use the following format.

```
# <key-type> <public key> <comment>
ssh-ed25519 <public key> myuser@mylocalhost
```

To configure the ssh-key to use, naviagte to *Connection-SSH-Auth*. You will see a Textbox for *Private key file for authentifikation*. Insert the path to your local key-file or brows it using the "Browse..."-Button. This will do the same as the command ssh -i .ssh/id_red25519 user@taurus.hrsk.tu-dresden.de:22 on a linux system.



Step 4 - Enable X-Forwarding (optional)

To enable X-forwarding navigate to *Connection-SSH-X11*. You will find a checkbox for *"Enable X11 forwarding"*. Simply put the tick in the checkbox and continue.

Keyboard	~	Options controlling SSH X11 forwarding
Bell Features Window		X11 forwarding Enable X11 forwarding
Appearance		X display location
Behaviour Translation		Remote X11 authentication protocol MIT-Magic-Cookie-1
Selection		X authority file for local display
Colours		Browse.
Data		
Proxy		
⊟ SSH		
Kex		
Host Keys		
TTY		
X11		
Tunnels		

Last Step - Store your configuration

To store your current built configuration go back to the *session*-tab. There you can set a custom name to store your configuration as. Insert this name into the "Saved Sessions"-Textbox. The Click the "Save"-Button.

- Session	Basic options for your PuTT	TY session
Logging Terminal Keyboard Bell	Specify the destination you want to c Host Name (or IP address)	onnect to Port 22
- Features Window Appearance	Connection type: Raw O Telnet O Rlogin ()) SSH 🔿 Serial
Behaviour Translation Selection Colours Oours Data Proxy Telnet Rlogin	Saved Sessions	Load Save
⊞ - SSH Serial	Close window on exit: Always Never Only	on clean exit

Afterwards you will see the configuration in the Listbox below.

Note: You can start a configured session by doubleclicking its name inside the listbox.

Note: You can alter your saved configurations by selecting its name inside the listbox and clicking the "Load"-Button. To save the changes you have to save it again under the same name. This will overwrite the old configuration permanetly.

Note: To deleted a configuration you have to select the session inside the listbox and click the "Delete"-Button. This will remove the configured session permanetly.