

Access SMHUB via External SSH client

? How to Access SMHUB via SSH (Using PuTTY)

“ ⚙️ This guide helps you connect to your SMHUB device remotely using **SSH** (Secure Shell) and update it via two simple commands.

? Step 1: Download PuTTY

1. Open this link in your browser: <https://putty.org/index.html>
2. Click the “**Download PuTTY**” link.
3. Choose the correct installer for your computer:
 - **Windows 64-bit** (most common): `putty-64bit-installer.msi`
 - **Windows 32-bit** (older PCs): `putty-32bit-installer.msi`
4. Download and run the installer.
Keep all default settings and finish the installation.

Download PuTTY: latest release (0.83)

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This page contains download links for the latest released version of PuTTY. Currently this is 0.83, released on 2025-02-08.

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 0.83 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 [development snapshots](#), to see if the problem has already been fixed in those versions.

Package files

You probably want one of these. They include versions of all the PuTTY utilities (except the new and slightly experimental Windows pterm).

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

We also publish the latest PuTTY installers for all Windows architectures as a free-of-charge download at the [Microsoft Store](#); they usually take a few days to appear there after we release them.

MSI ('Windows Installer')

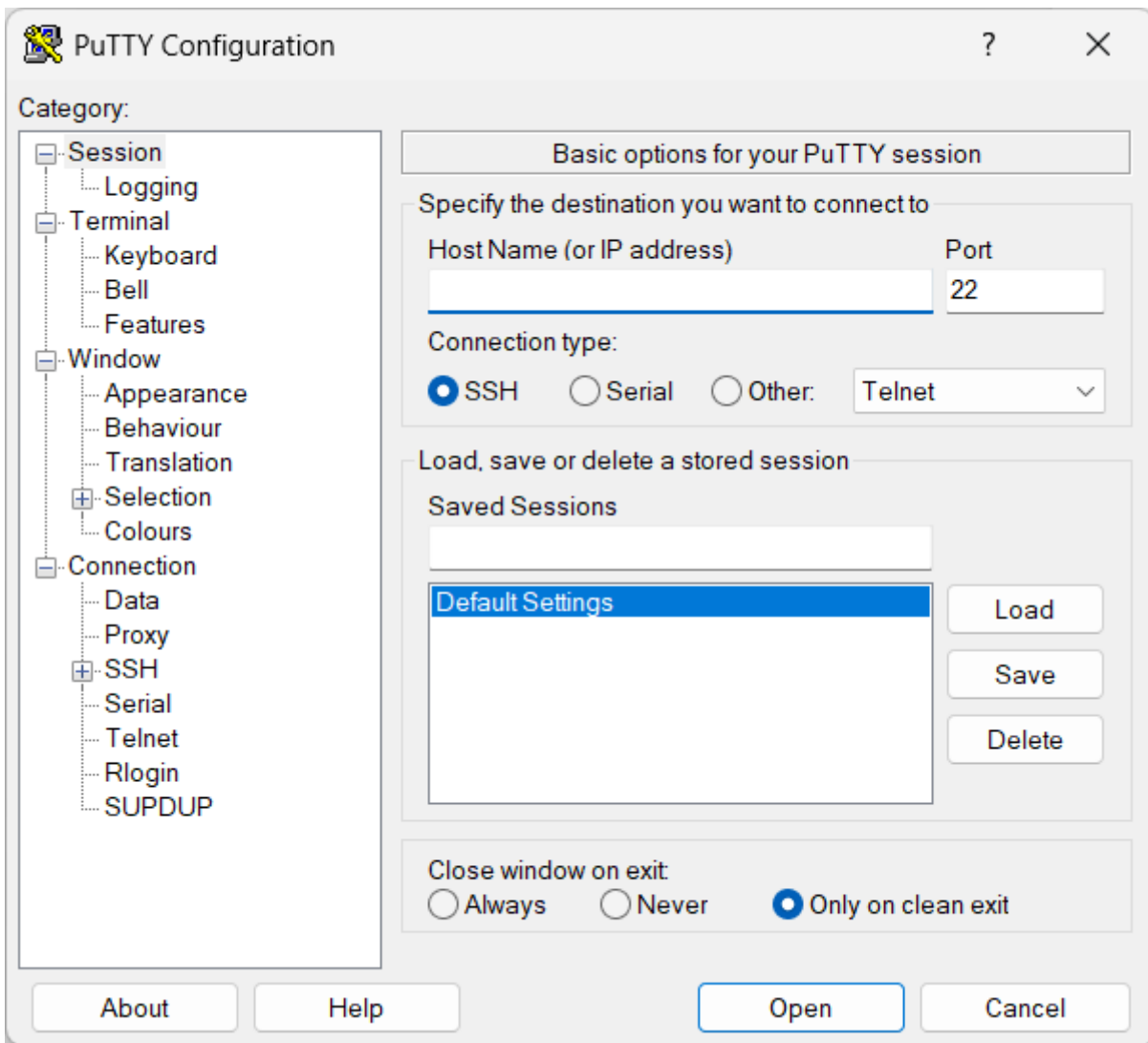
64-bit x86:	putty-64bit-0.83-installer.msi	(signature)
64-bit Arm:	putty-arm64-0.83-installer.msi	(signature)
32-bit x86:	putty-0.83-installer.msi	(signature)

Unix source archive

.tar.gz:	putty-0.83.tar.gz	(signature)
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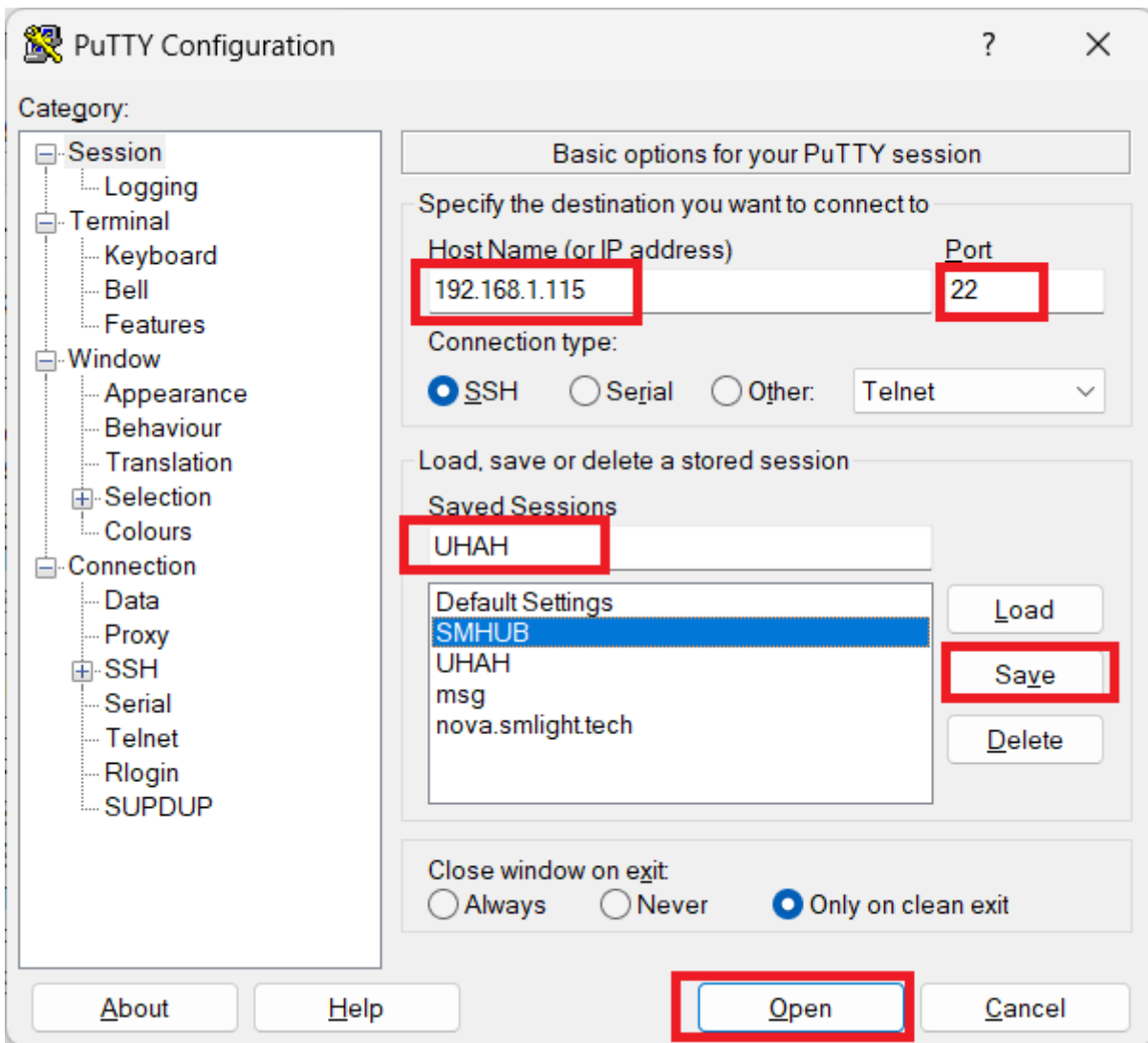
? Step 2: Open PuTTY

1. After installation, open the **PuTTY** program.
You will see the main configuration window.



? Step 3: Enter SMHUB IP Address

1. Start your SMHUB. Wait until Blue LED chase effect stops (for firmwares >0.2.x). This means that SMHUB is ready for SSH connection.
2. In the **“Host Name (or IP address)”** field, type your SMHUB’s IP address.
 - Example: `192.168.1.115`
3. Make sure **Port** is set to **22**.
4. Ensure **Connection type** is set to **SSH**.
5. Click the **“Open”** button.
6. Optionally, Save your settings for future use.



“ If you don't know your SMHUB IP, you can usually find it in your router's "Connected Devices" list, under a name like `smhub.local`. Instead of IP address, in PuTTY Host Name, you can enter `smhub.local`. It will work, if your network supports mDNS. If your network does not support mDNS, IP address like `192.168.1.115` should be used.

? Step 4: Accept Security Warning

1. The first time you connect, a **security alert** may appear. Click **"Yes"** to trust this device.

? Step 5: Log In

When the black terminal window opens:

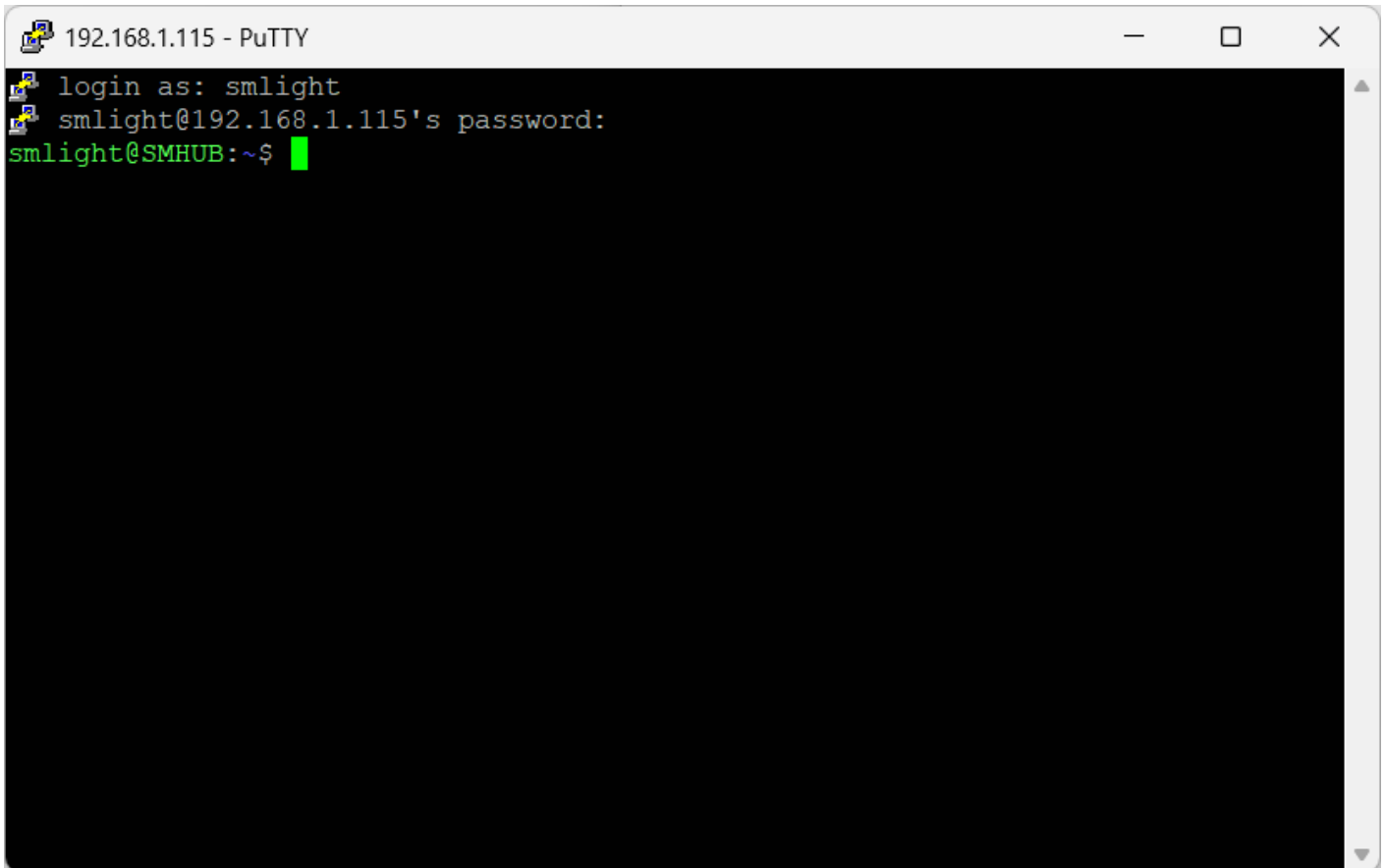
1. At the prompt `login as:`, type:

```
smlight
```

2. When asked for **password**, type:

```
smlight
```

(Note: you will not see any stars or dots while typing - that's normal.)



```
192.168.1.115 - PuTTY
login as: smlight
smlight@192.168.1.115's password:
smlight@SMHUB:~$
```

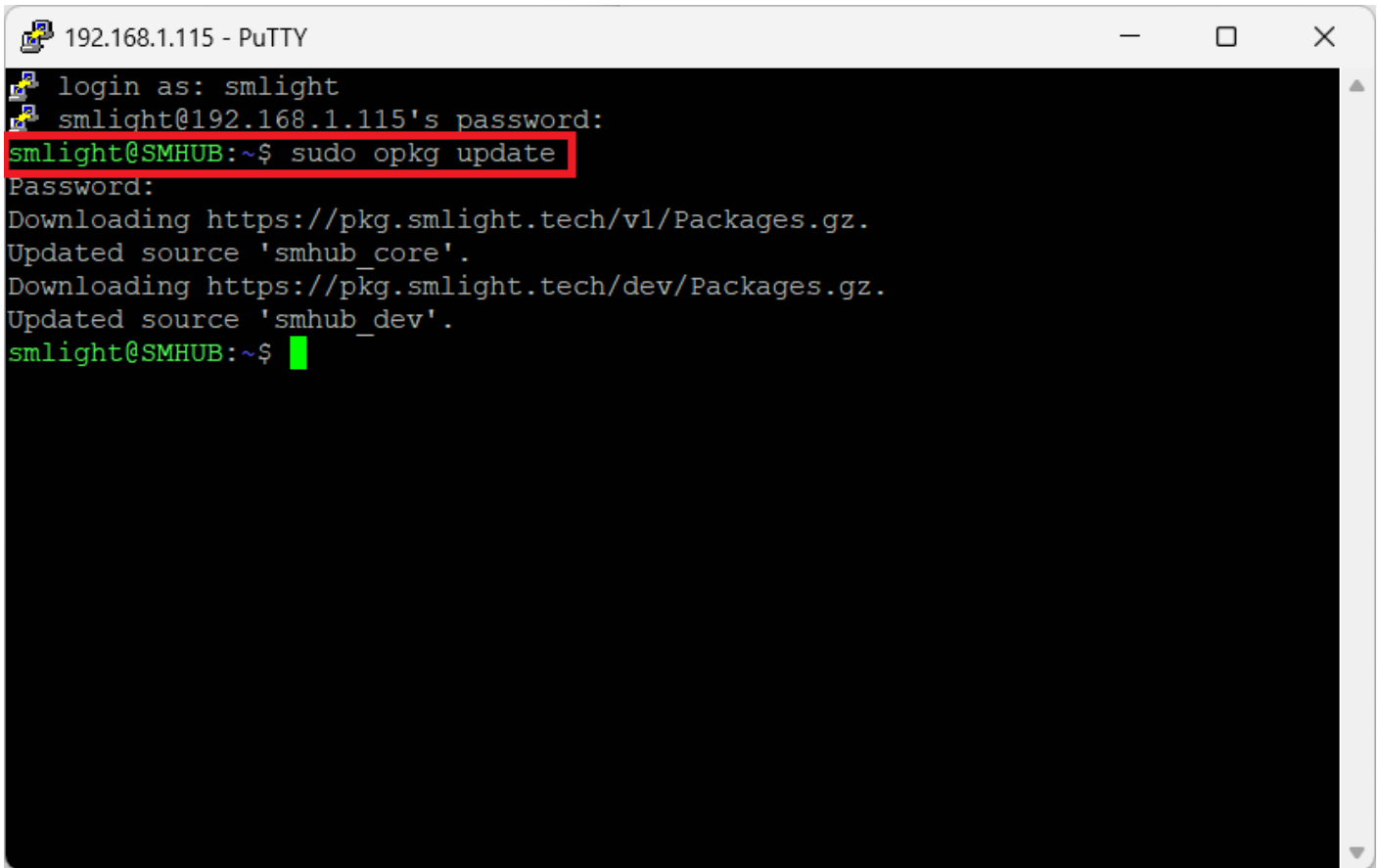
? Step 6: Update SMHUB Software

Once logged in, run the following two commands one by one:

1?? Update the package list:

```
sudo opkg update
```

Wait until the command finishes (you will see lines of text ending with “done”). System will ask for password. Please use the same password `smlight`



```
192.168.1.115 - PuTTY
login as: smlight
smlight@192.168.1.115's password:
smlight@SMHUB:~$ sudo opkg update
Password:
Downloading https://pkg.smlight.tech/v1/Packages.gz.
Updated source 'smhub_core'.
Downloading https://pkg.smlight.tech/dev/Packages.gz.
Updated source 'smhub_dev'.
smlight@SMHUB:~$
```

2?? Upgrade all installed packages:

```
sudo opkg upgrade
```

This may take a few minutes - don't close the window during the process.

```
192.168.1.115 - PuTTY
login as: smlight
smlight@192.168.1.115's password:
smlight@SMHUB:~$ sudo opkg update
Password:
Downloading https://pkg.smlight.tech/v1/Packages.gz.
Updated source 'smhub_core'.
Downloading https://pkg.smlight.tech/dev/Packages.gz.
Updated source 'smhub_dev'.
smlight@SMHUB:~$ sudo opkg upgrade
No packages installed or removed.
smlight@SMHUB:~$ █
```

? Step 7: Done!

Once finished, type: `sudo reboot now`

You can close the window without any commands as well.

Your SMHUB will reboot.

Your SMHUB is now updated and ready to use ☐☐

? Quick Summary

Action	Command / Button
Login username	<code>smlight</code>
Login password	<code>smlight</code>
Update packages	<code>sudo opkg update</code>
Upgrade packages	<code>sudo opkg upgrade</code>

Action	Command / Button
Exit session	<input type="button" value="exit"/>

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