

## PuTTY Documentation Case

### Description

**PuTTY** is a free and open-source program that works as a terminal emulator. It allows you to make secure remote connections using the **SSH (Secure Shell)** protocol. It is widely used on **Windows** to access Linux servers and other devices safely and efficiently.

The software was originally developed for **Microsoft Windows**, but it has also been adapted for other operating systems. Official versions exist for some Unix platforms, and development is ongoing for Mac OS and Mac OS X. Additionally, unofficial versions have been created for systems like **Symbian OS** and **Windows Mobile**.

PuTTY was developed and is still primarily maintained by **Simon Tatham**.

With PuTTY, users can:

- Connect to servers via SSH with secure authentication.
- Save sessions for future reuse.
- Use different protocols (SSH, Telnet, Rlogin, Raw, Serial).

This tool ensures efficiency and security in remote server management.

### Features

- Secure SSH connection: allows encrypted remote access to servers.
- Saved sessions: enables storing connection parameters for reuse.
- Multi-protocol support: SSH, Telnet, Rlogin, Raw, and Serial.
- Intuitive interface: simplifies configuration and usage, even for beginners.

### Tutorial – How to Establish an SSH Connection

#### Requisites:

- PuTTY installed on the computer.
- Accessible SSH server (IP or hostname).
- Valid user credentials.

#### Step by step:

1. Open PuTTY.
2. In the Host Name (or IP address) field, enter the server's address.
3. Make sure the Port is set to 22.
4. Select SSH under Connection type.
5. Click Open to start the session.
6. Enter your username and password when prompted.
7. Expected result: access to the remote terminal, ready to execute commands.

#### Important notes:

- Use strong passwords or SSH keys for better security.
- Avoid using the root account directly; prefer users with appropriate permissions.
- Save sessions in Saved Sessions to make reconnections easier.

## Reference – SSH Connection Parameters

### Administrator/User Requirements:

- PuTTY installed.
- Server IP or hostname.
- Valid credentials.

### Access Path:

Open **PuTTY** > **Session Category** > Configure fields > Select **SSH**.

### Input Fields:

Field	Description
Host Name (or IP address)	Address of the remote server you want to access.
Port	Port number used for the connection (default: 22 for SSH).
Connection type	Defines the connection protocol (SSH, Telnet, Rlogin, Serial, Raw).
Saved Sessions	Allows saving and reusing connection settings.
Open	Starts the connection to the remote server.

### Available Actions:

- Open: starts the connection.
- Save: saves the current session.
- Load: loads a previously saved session.
- Cancel: closes the configuration window.

### Additional Information:

- By default, PuTTY uses port 22 for SSH.
- Saved sessions can be reused for future connections.
- Authentication failures require re-entering credentials or ending the session.

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