

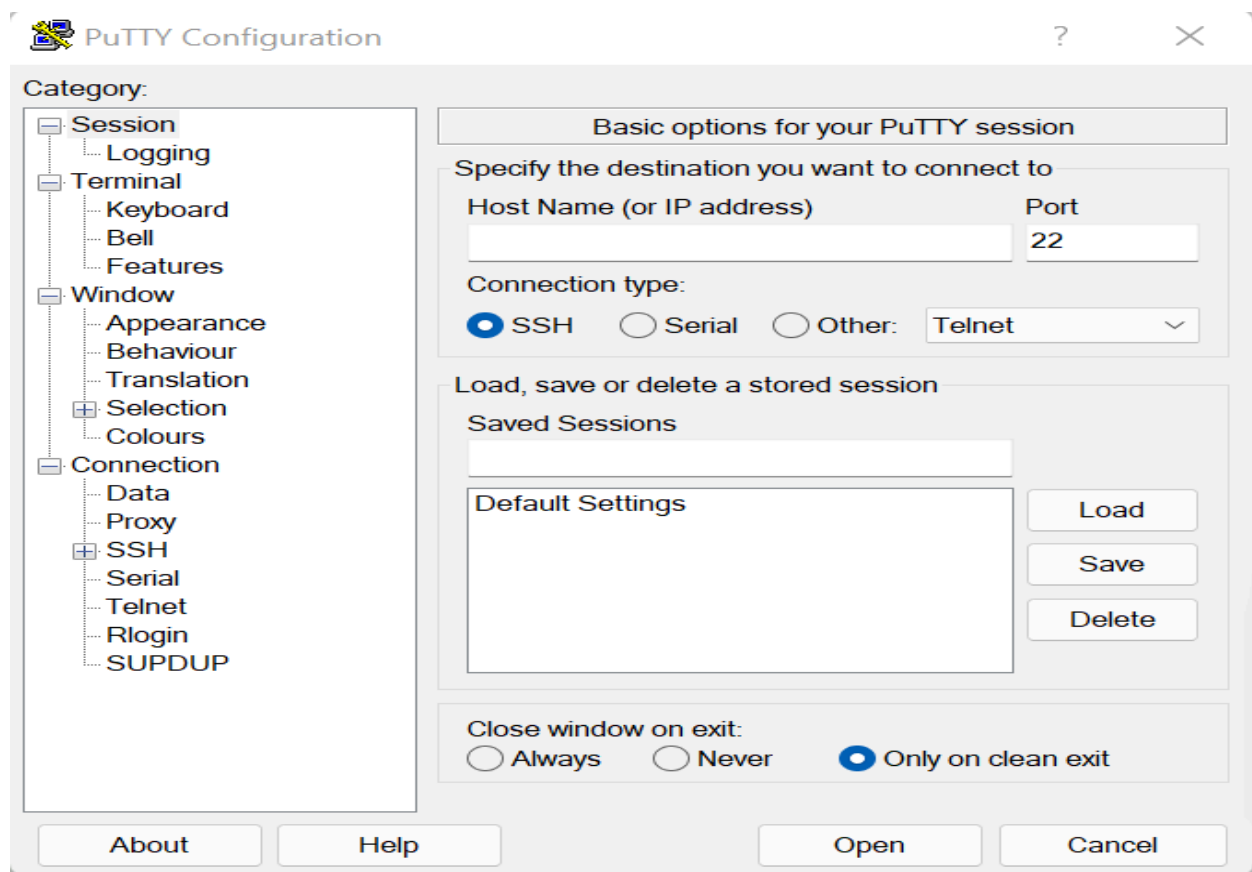
HOW TO SSH INTO A SERVER FROM A WINDOWS MACHINE USING PUTTY

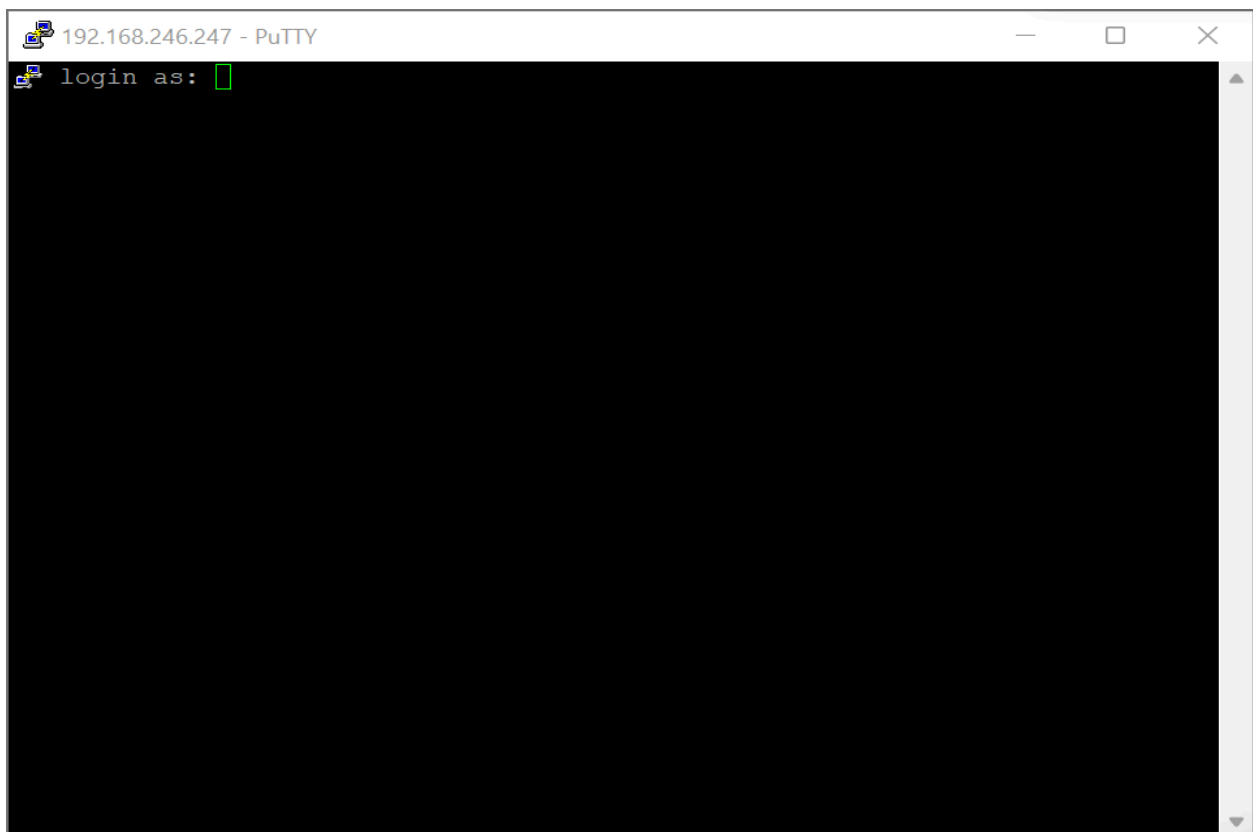
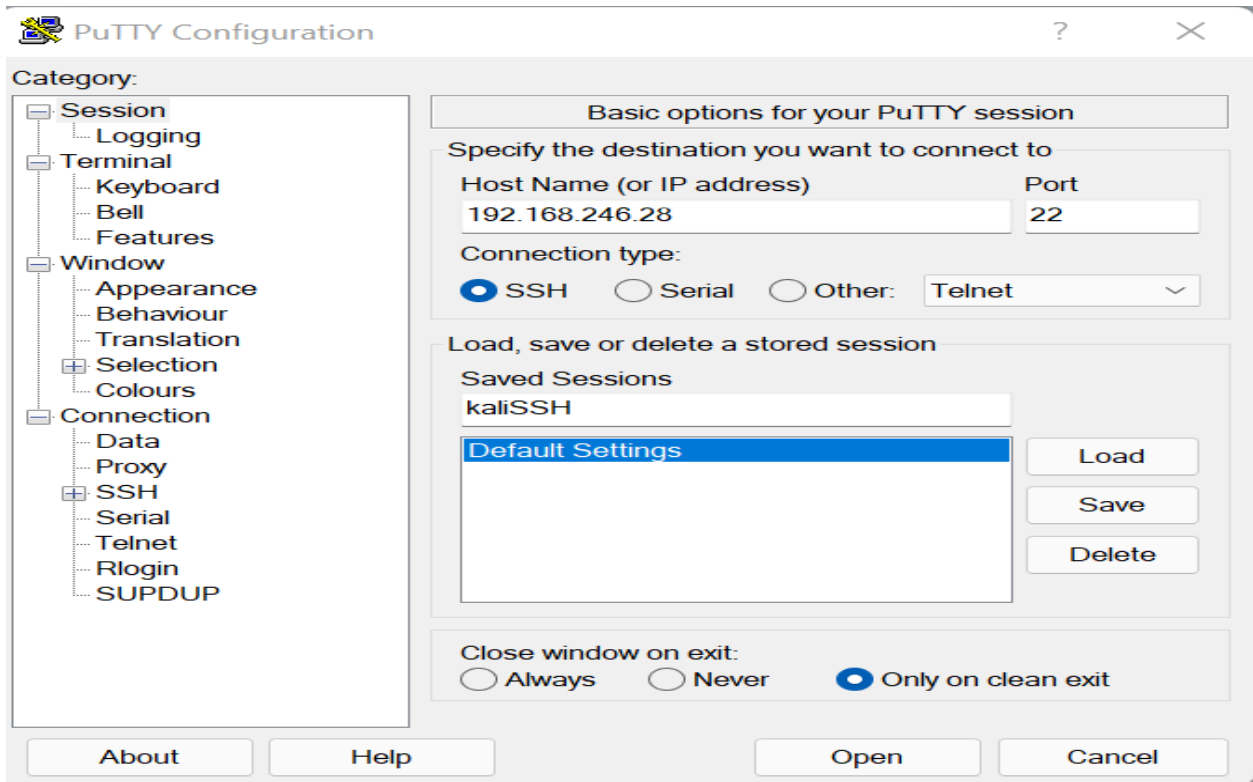
Tools : PuTTY on WINDOWS

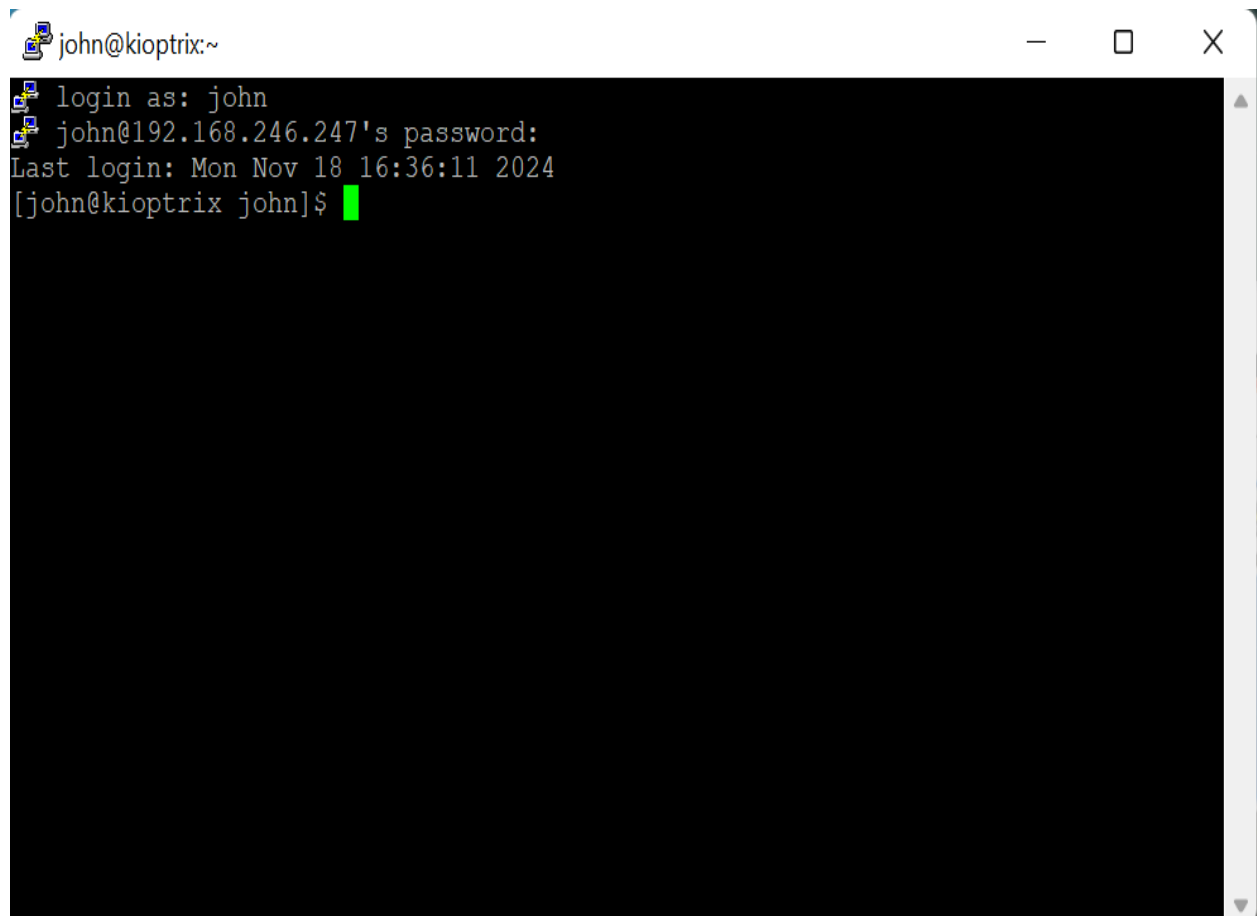
Server : kioptrix

PuTTY is a free and open-source software that acts as a terminal emulator, allowing users to connect to remote systems and manage them through command-line interfaces. It's primarily used for secure connections to remote servers and network devices, especially via SSH (Secure Shell), but it also supports other protocols such as Telnet, Rlogin, Serial, and SFTP (Secure File Transfer Protocol).

INPUT from PuTTY :







```
john@kioptrix:~  
login as: john  
john@192.168.246.247's password:  
Last login: Mon Nov 18 16:36:11 2024  
[john@kioptrix john]$
```

To use PuTTY to SSH into a server from a Windows machine, follow these steps:

Step 1: Download and Install PuTTY

1. Go to the official PuTTY website.
2. Download the installer for Windows (e.g., putty-<version>-installer.msi).
3. Run the installer and follow the installation steps.

Step 2: Obtain the SSH Details for the Server

Before connecting, make sure you have the following information

- **Server IP** address or hostname.
- **SSH port** (default is 22, but it might differ if the server is configured differently).
- **Username**
- **Password or an SSH private key** (if key-based authentication is configured)

Step 3: Launch PuTTY

1. Open PuTTY by searching for "PuTTY" in the Start menu
2. When PuTTY opens, you'll see the configuration screen.

Step 4: Configure the SSH Connection in PuTTY

1. **Host Name (or IP address):** In the "Host Name (or IP address)" field, enter the IP address or hostname of the server you want to connect to, for this exercise we would be using KIOPTRIX.
2. **Port:** The default SSH port is 22, but if your server is using a different port, enter that port number here.
3. **Connection Type:** Ensure the connection type is set to SSH.

Example:

- *. Host Name (or IP address):[IP OF SERVER]
- *.Port: 22 (or whatever port your server uses)
- *. Connection Type: SSH

4. **Session Name (optional):** You can enter a name for this session in the "Saved Sessions" field and click Save. This way, you can easily load these settings in the future without re-entering them.

Step 5: Connect to Server1.

Once everything is configured, click the Open button to initiate the connection.

Step 6: Log in

- If this is your first time connecting to the server, you might see a security alert asking if you trust the server. If the server's fingerprint matches what you expect, click Yes to proceed

- You'll then be prompted to log in:

If using a password, enter the username and then the password when prompted.

If using an SSH key, you should be authenticated automatically (depending on your key setup).

Step 7: Start Using the Server

Once logged in, you'll have an interactive terminal session on your server, and you can begin running commands, and just like that you have securely logged into a server remotely.