EcoNode Series Gateways

Development Environment

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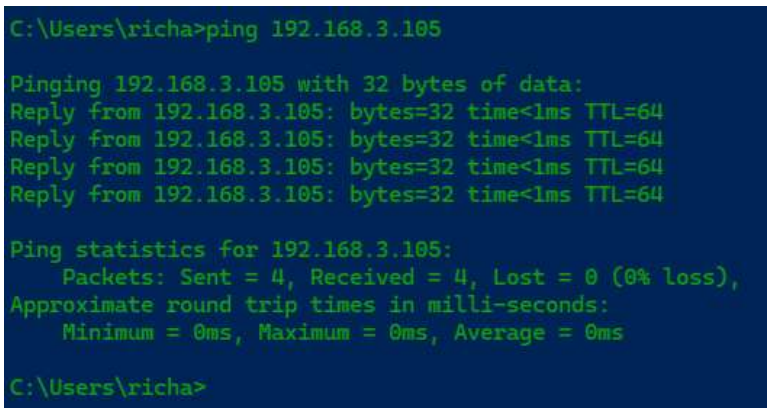
1 Connect EcoNode to a PC

To connect EcoNode to a PC via LAN1, configure the PC's wired network card address as follows:

1. Connect the EcoNode smart gateway's LAN11 port to the same switch as the PC, or directly connect them using an Ethernet cable.
2. Modify the PC's wired network card IP address to be in the same subnet as the gateway (192.168.3.XXX).
3. If the PC lacks an Ethernet port, you can use a USB Type-C to Ethernet adapter to make the connection.

After completing the hardware connection, ping 192.168.3.105 to test whether the network connection has been established.

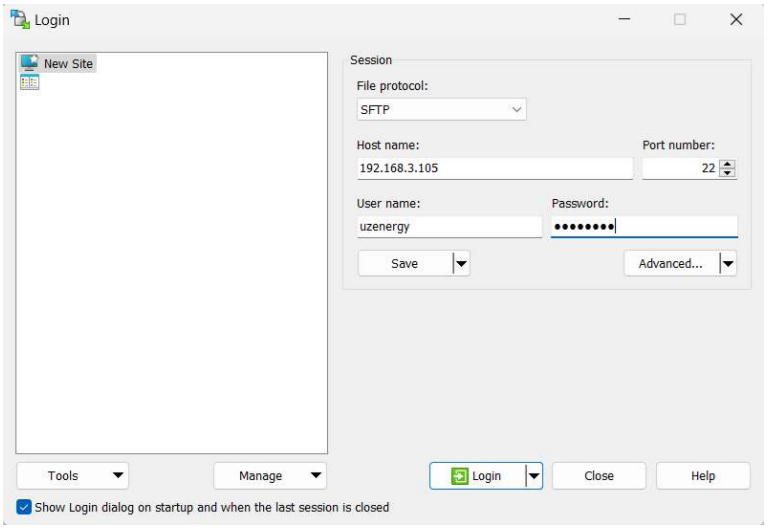


2 WinSCP

1. **Download and Install WinSCP**: Download the WinSCP client from its official website.
2. **Configure Connection**: Enter the Linux server's IP address, username, password, and choose a protocol (e.g., SFTP for secure transfer).

- **File Protocol**: SFTP
- **Host name**: 192.168.3.105 **Port number**: 22
- **User name**: uzenergy **Password**: ******

3. **Transfer Files**: Once connected, the interface shows the Windows file system on one side and the Linux server on the other. Files can be easily dragged and dropped between the two systems. Then, click **Login**.



3 PuTTY

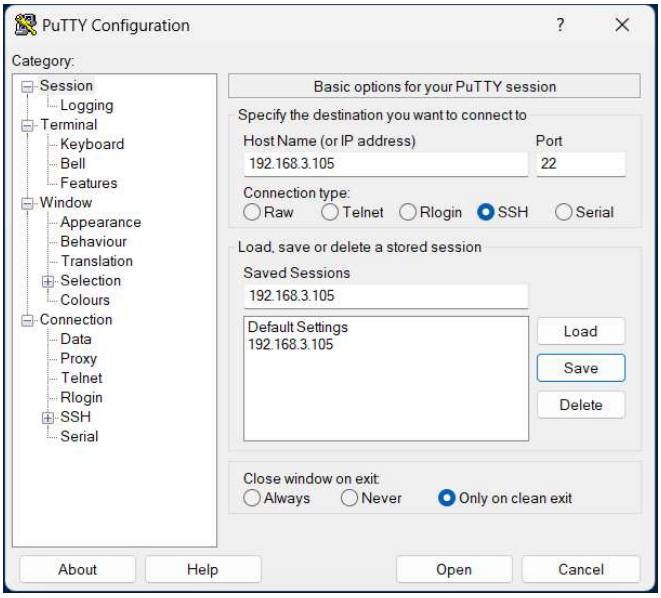
To remotely access a Linux server using PuTTY, follow these steps:

1. **Open PuTTY**: Launch the PuTTY application on your Windows machine.
2. **Configure Connection**:

   - **Host Name**: Enter 192.168.3.105.
   - **Port**: Set to 22 (default for SSH).
   - **Connection Type**: Select SSH (Secure Shell).

3. **Login**:

   - **Username**: Enter uzenergy.
   - **Password**: When prompted, input ******.



```
login as: uzenergy
uzenergy@192.168.3.105's password:
Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.10.198 aarch64)

 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

This system has been minimized by removing packages and content that are
not required on a system that users do not log into.

To restore this content, you can run the 'unminimize' command.
Last login: Fri Sep 20 13:33:21 2024 from 192.168.3.100
uzenergy@uzenergy:~$ hostnamectl
   Static hostname: uzenergy
         Icon name: computer
        Machine ID: d986f4763d2541dea6f1f0c3c36a03d4
           Boot ID: 6d552cf24d7641b782fc14179292ac51
  Operating System: Ubuntu 20.04.6 LTS
            Kernel: Linux 5.10.198
      Architecture: arm64
uzenergy@uzenergy:~$ cd ../..
uzenergy@uzenergy:/$ ls
bin   dev  home  lost+found  mnt  proc           root  sbin  sys     tmp  var
boot  etc  lib   media       opt  rockchip-test  run   srv   system  usr  vendor
```