

# How to create SFTP Server for EVE Backup manager

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# Linux external SFTP server setup

### Install Ubuntu Server with OpenSSH service

The Ubuntu server 20.04 or newer version will fit for SFTP server needs. The static IP for this server is strongly recommended. Access from this SFTP server to the EVE and back is mandatory. *Don't forget that you must be root user for following setup below.* 

```
Step 1. Setup static IP for your SFTP server, syntax below for netplan is mandatory
root@sftp-test:~# nano /etc/netplan/00-installer-config.yaml
Setup your network for static IP:
# This is the network config written by 'subiquity'
network:
    ethernets:
        ens34:
            addresses: ["192.168.70.32/24"]
            gateway4: 192.168.70.254
            nameservers:
            addresses: ["8.8.8.8", "1.1.1.1"]
version: 2
* To save netplan settings use: CTRL +o [letter o]; Enter; CTRL +x [for exit]
```

Run test the new network settings, enter

root@sftp-test:~# netplan try

Apply new network settings and reboot

```
root@sftp-test:~# netplan apply
```

```
root@sftp-test:~# reboot
```

#### Setup SFTP client user and home directory

```
root@sftp-test:~# systemctl restart ssh
```

```
### Create sftp group for sshd users
root@sftp-test:~# addgroup sftp
```



```
Adding group `sftp' (GID 1001) ...
Done.
#### Create sftpuser and add it in sftp group defined in sshd config.
root@sftp-test:~# useradd -m sftpuser -g sftp
### Set sftp user password
root@sftp-test:~# passwd sftpuser
### Or for existing user
root@sftp-test:~# usermod -a -G groupName username
```

#### Directory permissions for sftp user

```
Step 3. Assign read-write permissions for sftp user directories

root@sftp-test:~# chmod 755 /home

root@sftp-test:~# chown sftpuser:sftp /home/sftpuser

root@sftp-test:~# chmod 755 /home/sftpuser
```

## Test access to your SFTP server

Step 4. Use any sftp application like WinSCP or FileZilla to test SFTP access to your SFTP server. *Note: Your SFTP server must be reachable from and to the EVE server.* 

Name	Size	Changed	Rights
		02/03/2024 12:30:38	rwxr-xr-x
cache		02/03/2024 12:30:53	rwx
ssh		02/03/2024 12:30:47	rwx
bash_history	1 KB	02/03/2024 12:33:58	rw
bash_logout	1 KB	25/02/2020 12:03:22	rw-rr
bashrc	4 KB	25/02/2020 12:03:22	rw-rr
.profile	1 KB	25/02/2020 12:03:22	rw-rr
.sudo_as_admin_successful	0 KB	02/03/2024 12:31:01	rw-rr

# Windows host SFTP server

# Enable OpenSSH Server on Windows

Applies to: Vindows Server 2025, Vindows Server 2022, Vindows Server 2019, Vindows 11, Vindows 10

To enable OpenSSH server on Windows 10 or early Windows 11, navigate to **Settings > Apps > Apps & features > Optional features > Add a feature**, then select and install the **"OpenSSH Server" feature** 

To enable OpenSSH server on later Windows 11, navigate to **Settings**, select **System**, then select **Optional Features** (also referred to as **Manage optional features**). *Add a feature*, then select and install/enable the *"OpenSSH Server" feature* 



# Configuration the OpenSSH Server

#### • Start the OpenSSH Server service:

Open the Services application (search for "services" in the Start Menu). Find the "OpenSSH SSH Server" service, right-click, and choose "Start".

#### ✓ Set to automatic start:

In the same Services window, right-click on the "OpenSSH SSH Server" service, choose "Properties", and under the "Startup type" dropdown, select "Automatic".

#### ✓ Check firewall rules:

**Open PowerShell as an administrator and run the command** Get-NetFirewallRule -Name \*SSH\* **to verify firewall rules for SSH** 

# Accessing the OpenSSH Server:

- Find your IP address: Open PowerShell and run the command ipconfig
- Create some Directory for backup use. Make sure you have enough free space on your HDD. Example directory on: D:/EVE\_BACKUP

## Test access to your SFTP server

Step 4. Use any sftp application like WinSCP or Putty to test SFTP access to your SFTP server. *Note:* Your SFTP server must be reachable from and to the EVE server.

Name	Size Changed	Rights
	02/03/2024 12:30:3	88 rwxr-xr-x
cache	02/03/2024 12:30:5	3 rwx
ssh	02/03/2024 12:30:4	7 rwx
bash_history	1 KB 02/03/2024 12:33:5	is rw
bash_logout	1 KB 25/02/2020 12:03:2	2 rw-rr
bashrc	4 KB 25/02/2020 12:03:2	22 rw-rr
.profile	1 KB 25/02/2020 12:03:2	22 rw-rr
.sudo_as_admin_successful	0 KB 02/03/2024 12:31:0	)1 rw-rr

# Configure EVE Backup manager:

- Protocol: SFTP
- Server Label: Anything for your reference
- Server Address: IP Address of your Windows SFTP server host
- **Remote Directory:** Earlier example we create directory for backup use. Make sure you have enough free space on your HDD. Example directory on: D:/EVE\_BACKUP
- **Username:** Your Windows username (administrator rights are required)



• Password: Your Windows user password

