

How to mount a SMB share drive to a Proxmox container

For an SMB share, the process is similar, but we'll need to make a few adjustments. Here's how to automatically mount an SMB share in your LXC container on Proxmox:

1. Edit the LXC container's configuration:

On your Proxmox host, edit the container's configuration file:
`nano /etc/pve/lxc/<container_id>.conf`

Add the following line at the end of the file:

```
features: mount=cifs
```

Save and exit the file.

2. Start or restart your LXC container if it's not already running.

3. Access your LXC container (if you still in your node. Eg PVE):

```
pct enter <container_id>
```

4. Install necessary packages:

For Debian/Ubuntu-based containers:
`apt update && apt install cifs-utils`

For CentOS/RHEL-based containers:
`yum install cifs-utils`

5. Create a mount point if you haven't do so:

```
mkdir /mnt/smbshare
```

6. Create a credentials file (for security):

```
nano /root/.smbcredentials
```

Add these lines:

```
username=your_username  
password=your_password
```

Save and secure the file:

```
chmod 600 /root/.smbcredentials
```

7. Edit the /etc/fstab file:

```
nano /etc/fstab
```

Add a line like this:

```
//server_ip/share_name /mnt/smbshare cifs
credentials=/root/.smbcredentials,vers=3.0,uid=1000,gid=1000 0 0
```

Replace server_ip, share_name, uid, and gid with your actual values. The uid and gid should match the user you want to own the mounted files.

8. Test the mount:

```
mount -a
```

If successful, you should be able to access your SMB share at /mnt/smbshare.

9. Exit the container:

```
exit
```

10. Restart the container to ensure everything works on boot:

```
pct reboot <container_id>
```

This setup should automatically mount your SMB share when the LXC container reboots.