

Setup self hosted Chocolatey Repository/Proxy on Linux

To host a local repository for [Chocolatey](#) either as server for self-hosted packages or as proxy server for any NuGet server/the official chocolatey repository server we use Solartype Nexus3: [sonatype.com - Nexus3](#). Nexus3 is also useable for hosting a simple, easy-to-manage repository for the APT-package manager.

Installation

1. Download Debian 12 Server from here: [debian.org/distrib](#) and install your machine.
2. Install Java 17:

```
sudo apt install openjdk-17-jdk
```

3. Add user nexus to run Nexus3:

```
adduser nexus
```

4. Download the latest Nexus3 from <https://help.sonatype.com/en/download.html>
5. Unpack it to /opt/:

```
tar xzvf <downloaded-tar-package>.tar.gz -C /opt
```

6. Change owner of unpacked files:

```
chown nexus -R /opt/nexus-<version>
```

7. Make binary executeable:

```
chmod +x /opt/nexus-<version>/bin/nexus
```

8. Create systemd service with the name `nexus.service` and copy it to `/etc/systemd/system` (keep in mind to add the nexus version):

nexus.service

```
[Unit]
Description=nexus service
After=network.target

[Service]
Type=forking
Environment="NEXUS_SECRETS_KEY_FILE=/opt/sonatype-work/nexus3/keystores/nexus.secrets.json"
LimitNPROC=65536
LimitNOFILE=65536
ExecStart=/opt/nexus-<version>/bin/nexus start
ExecStop=/opt/nexus-<version>/bin/nexus stop
User=nexus
Restart=on-abort
```

```
TimeoutSec=600
```

```
[Install]
```

```
WantedBy=multi-user.target
```

```
cp nexus.service /etc/systemd/system
```

```
systemctl start nexus.service
```

```
systemctl enable nexus.service
```

9. When everything was successful, enter the webservice with `http://<ip>:8081/`
10. The password for admin is located under `/opt/sonatype/sonatype-work/nexus3/admin.password` after entering the password, it's forced to be changed.

```
cat /opt/sonatype/sonatype-work/nexus3/admin.password
```

The installation of Nexus is now finished!

Setup Repository

NuGet Proxy

To add a new NuGet (Chocolatey) repository proxy add a new nuget (proxy). To proxy the official Chocolatey repository add the following URL as URL:

```
https://community.chocolatey.org/api/v2/
```

Finally save the proxy repository.

NuGet Hosted

If the repository should also host packages locally add a new nuget (hosted).



This section will be extended later.

NuGet Group

To make the proxy-repository and all local hosted packages available through one URL, add a nuget-group on the repository tab. Then add both nuget-proxy and nuget-hosted to the group.

APT Repository

Sourced from:

- github.com/sonatype-nexus-community
- [howtoforge.com - install Nexus3 on Ubuntu22](https://howtoforge.com/install-Nexus3-on-Ubuntu22)
- [stackoverflow.com - Nexus serve up chocolatey](https://stackoverflow.com)

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<http://fixes.brecht-schule.hamburg/> - Fixes | Public BIT Wiki

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<http://fixes.brecht-schule.hamburg/windows/chocolatey/setup-self-hosted-choco-repo?rev=1739255913>

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