

# 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](#)

Therefore that Nexus3 required Java 8 it's recommended to use a Ubuntu Server (in this case 24) because Ubuntu still serves Java 8 from the official repository which Debian doesn't.

## Installation

1. Download Ubuntu Server from here: [ubuntu.com/download/server](#) and install your machine.
2. Install Java8:

```
sudo apt install openjdk-8-jdk
```

3. Add Sonatype's APT repository to sources lists:

```
wget -P /etc/apt/sources.list.d/  
https://repo.sonatype.com/repository/community-hosted/deb/sonatype-  
community.list
```

4. Add the repositories key:

```
nano sonatype-apt-repo.key
```

And paste the following content:

```
-----BEGIN PGP PUBLIC KEY BLOCK-----  
  
mQGNBF1Uv8ABDAD0Te7EGf8n4jUKzeD9YfqqiPUs/Q54QB0QeFHe+pdMQeC708KL  
W3AX0Qy1C0SUZWlDk0t3F+5ct18S/xT/42bVQYHzaT05zIjlxqiSB8ApVnR9Gpm  
+N2u6eNyHCXItsNwV8djd9B5nsRd0Gqgzmklt8bxZUX9NI00QmbcquEg46Kt65J  
IueVqy/qM4vdZSIH3+f/klHblBty8JHNorbNXdtz8e7PuzshVghULKlvgnJmQWdG  
XJsMuWpKYUhdtsN4UH0zsS7uFBn/cwLLYs9bQy9BmK/8tBfcMtoXZGq3/c+fN9fj  
9wdxNeTrbMEsZiaL0LHCZwKEbn03+0jJKtTaxu6Q+benc9/++0BMhQK4gqj7zQW+  
CPlN+gg+PX4WVreU8rhT3kgTGCm2aGiCjBg/aF4BmewLl/+CPgpw9VrFAKPN7w/  
fE5Smcrmta4i4DFSQoMYcl00bzjr3qydx8INcRyXWEXPhz7NW+3PQY4JvUec8/KR  
BE6DJWInZPuo5j0AEQEAAbQxU29uYXR5cGUgQ29tbXVuaXR5IDxjb21tdW5pdHkt  
Z3JvdXBAC29uYXR5cGUuY29tPokB1AQTAAQoAPgIbAwULCQgHAgYVCgkICwIEFgID  
AQIEAQIXgBYhB0d4iMdnF0vXGUA16pZLXnIKpPMaBQJhGs7JBQkJaamJAAoJEJZL  
XnIKpPMaLtQMAMthe85oV6QyyWyTqTmNI6Huotd6IXn97YsbL6AUNiE23x4UcF8B  
nVkyafmtIrSkV+W0Y9yuCmgUDDtXDbp0waJeCPK8avTtUpKojRPManh4+K9MK94i  
NkzxbWVGjb2wgbGdSDPuFeAW3dnd+eeC9+5iYtnhUYzcnKFvtnE1g9comzpvMzhD  
cyAS5+Kp/bP8sT3Sk51tlnBnYcZuXs30lCi0GUiE8UM5JJJeCMK/ppugPFa5D0wVb  
HGRqCDjWcKdnEYG1c2KUYPVsWZ/5Feqq4PXXDwZbrRwoCWj34omX597RYFKQR7sT  
4pUjwmyl65iIf9jdDerPqSAIkrCaXGdZz1rqC3Fvn7xZm3CRyaQwUgf9pw04kjFo
```

```
neaYSW5P0f37fbAuH4n7c8s/8khFe8ljnKs4ivxQErZMACyddW0ZjJvReD9uBczI
mgYLA3rarP9fxwwGVCa0IIPchGAeUG53QSby18m3M4I2oKGJHpENGQZRsu7ArKQl
e1dx2e2gUr50gbkBjQRdVL/AAQwAr11CHfZ6KBi1IRH/Ca0jG7LonStBX2XUNvyA
iz+IsFM8CAD8rGSzhgJ02Br/+u9KgyVczolmUlK1TvIzJUmnYUyc2p/WGydzFs8K
UteSSa2zxNVmbjuePDKu+aThklVnBU//Q2HkqTNPXYklo4f+IzkCQg7A+jcT9BHB
1JhNWhzan3IytpuypXJxX5Le0kXAhULeIiBM+UoGFGdbllldVN7ieH5F0rDcbHcYu
RUNZRkwLSARawkc9g8f2omAvwFDzcmvA3xjC3cQMEwBS0BdvsGwM18/0G8khR3E
c03plCeWMaWEfYh0infkP9twoH6XoI4dAyT0nf7w11smIYCBjc07V0UtraRfGkjQ
5TXfmPC5LVBo80XLhkcmpYQwFHnncqFzzK20iGM1plc758Enwzx2elGVhXdw5upF
LQUHYU29vHePRwlv/AGAjL+UzZWrE7IKNrphc1bKFSAHJZ0MisJu4BtHTGKcY6EZ
rmnGEW32iCvrZTWcwICRDWx77IZFABEBAAGJAbwEGAekACyCGwwWIQTneIjHZxTr
1xlAJeqWS15yCqTzGgUCYRrPpAUJcWmqZAAKCRcWS15yCqTzGiNODACH5Ho5RlBJ
PQcsyaBpLkpzJvmY59Q7g50pAWd9GoLF0rnJi5jd7+senRwHYwig4H/9+01lx7fi
7sI2Cd96xXV01pp60popR346IvbiN0Pzk6ngpFfFc90ujA5CrXjj+lMl5VzV3Q00
nVH0vFXkt0wMl0Hq8MdYzkLFuSETEcEdvKM9E5yXhUo0BCC60G+YZTvMuITvAw4i
5xBnLIdKHmOXZhCq3ChtwFf/hXhGH7Xf5F9pHPmHx6tC7+uJ0Tovpk7Jd42YLtHT
RMH/Q390xFfGH0IvrzuHa6cpKaBLE0/Zqs9DGJE7pKetyWA5aRNWELGFWFg0sE0j
0duTbAh/xyvAb9LF2F2XP21EoCmA3mHd2/SVMQfenvk9i8VcB5KBZYKt5kvsoFvy
5YA5ENG8dtMQDyfv3dhUWpZgh00g0of05fp/JUNdHTEHbjh57yj+W04KNsPA184E
dq6/peJdFjJp7dHV94yQjv1040cNtriD2kTBtucc+XswPSFgyeoR8tQ=
=1ghU
-----END PGP PUBLIC KEY BLOCK-----
```

5. Then update the repositories:

```
sudo apt update
```

6. And install Nexus3:

```
sudo apt install nexus-repository-manager
```

7. When everything was successful, enter the webservice with `http://<ip>:8081/`
8. 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.

Sourced from:

- [github.com/sonatype-nexus-community](https://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/questions/24211487/nexus-serve-up-chocolatey)

From:

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

Permanent link:

<http://fixes.brecht-schule.hamburg/windows/chocolatey/setup-self-hosted-choco-repo?rev=1715514332>

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