

Project Nonnatus

Nonnatus Server Howto

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1 Introduction

2 Hardware Recommendations

3 Installing the Software

3.1 OpenBSD

3.2 Python

To install python, either su - to the root account or the logged in user must sudoer permissions.

1. Export the PKG_PATH variable to make life easy.

```
export PKG_PATH=http://<mirror_url>/pub/OpenBSD/5.4/packages/<arch>/
```

2. Run pkg_add to install python. The sudo command will need to be prepended to this command if using that method or privilege escalation.

```
pkg_add python-2.7.5
```

3. When the installation completes, make the symlinks for python.

```
ln -sf /usr/local/bin/python2.7 /usr/local/bin/python
ln -sf /usr/local/bin/python2.7-2to3 /usr/local/bin/2to3
ln -sf /usr/local/bin/python2.7-config /usr/local/bin/python-config
ln -sf /usr/local/bin/pydoc2.7 /usr/local/bin/pydoc
```

3.3 Go

To install go, either su - to the root account or the logged in user must sudoer permissions.

1. Export the PKG_PATH variable to make life easy.

```
export PKG_PATH=http://<mirror_url>/pub/OpenBSD/5.4/packages/<arch>/
```

2. Run pkg_add to install go. The sudo command will need to be prepended to this command if using that method or privilege escalation.

```
pkg_add go
```

3. When the installation completes, check to make sure go is working correctly..

```
go version
```

3.4 Least Authority File System

To install tahoe-lafs, either su - to the root account or the logged in user must sudoer permissions.

1. Download the latest tarball from the tahoe-lafs website. Make sure to grab a .tar.bz2 or .tar.gz file.

```
lynx https://tahoe-lafs.org/source/tahoe-lafs/releases/allmydata-tahoe-1.10.0.tar.bz2
```

Press "d" to download, then select "Save to disk" once the file has downloaded, and press "q" then "y" to quit lynx.

2. Untarball the downloaded file.

```
tar xjf allmydata-tahoe-1.10.0.tar.bz2
```

3. Change to the freshly unpacked directory and run the build script.

```
cd allmydata-tahoe-1.10.0  
python setup.py build
```

3.5 Pond

4 Configuring the Software

4.1 Least Authority File System

4.2 Pond

5 Usage Recommendations

5.1 LAFS Basics

5.2 Pond Basics

5.3 Bad Habits