

# Nasm

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## 1 Resources

- <https://nasm.us/>
- <https://github.com/netwide-assembler/nasm>
- <https://github.com/netwide-assembler/nasm.git>

## 2 Debian Versions

---

Debian	#	Nasm
Bookworm	12	2.16.01-1
Bullseye	11	2.15.05-1

Debian	#	Nasm
Buster	10	2.14-1
Stretch	9	2.12.01-1+b1

## 3 Compiling from Source

The compiling from the git source has been tested on Debian 9 Stretch for `nasm` 2.16.01. Meanwhile this version is available via package. The current (2024-02-05) source release is 2.16.02rc10.

### 3.1 Dependencies

```
aptitude install xmlto asciidoc docbook autoconf
```

### 3.2 Source

```
mkdir -p /srv/g/github.com/netwide-assembler
cd /srv/g/github.com/netwide-assembler
git clone https://github.com/netwide-assembler/nasm.git
```

### 3.3 Compiling

The following will compile `nasm` from source and install it in `/opt`. And it requires a modern version of `autoconf` 2.71 or higher. This would work on Debian 10 Buster and Debian 11 Bullseye, but requires `autoconf` [from source](#) for Debian 9 Stretch.

```
# As root:
mkdir -p /opt/{bin,share}
chown $USER.$USER /opt/{bin,share}

# As user $USER
sh autogen.sh
aclocal: installing 'autoconf/m4/pa_add_cflags.m4' from [...]
[...]

configure --prefix=/opt
make
```

```
[...]
sm -I./output -I./output -Wl,--gc-sections -o ndisasm disasm/ndisasm.o
↳ libnasm.a
make[1]: Leaving directory '/srv/g/github.com/netwide-assembler/nasm'

make strip
strip --strip-unnneeded nasm ndisasm

make manpages
asciidoc -b docbook -d manpage -o nasm.xml nasm.txt
xmlto man --skip-validation nasm.xml 2>/dev/null
asciidoc -b docbook -d manpage -o ndisasm.xml ndisasm.txt
xmlto man --skip-validation ndisasm.xml 2>/dev/null

make install
```

This will install into `/opt` :

```
1 bin|
2   nasm└─
3   ndisasm
4   share└─
5   man
6     └─ man1
7         └─ nasm.1
8             └─ ndisasm.1
```

## 4 History

Version	Date	Notes
0.1.1	2024-02-05	Debian 12 Bookworm
0.1.0	2023-03-08	Initial release

## 5 Disclaimer of Warranty

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