

Ubuntu

This page documents the requirements and special instructions for building Traffic Server on Ubuntu. For more details about the configuration process, please refer to the [Installation and Configuration](#) page.

Ubuntu 14 - 18

Generally you use apt-get to get the dependencies for you:

```
$ sudo apt-get build-dep trafficserver
```

The packages you will get for apt-get build-dep are:

```
autoconf automake autotools-dev bison debhelper dh-apparmor flex gettext intltool-debian libbison-dev libcap-dev  
libexpat1-dev libfl-dev libpcre3-dev libpcrecpp0 libsigsegv2 libsqlite3-dev libssl-dev libtool m4 po-debconf  
tcl-dev tcl8.6-dev zlib1g-dev
```

Unfortunately hwloc and libunwind are not included in the default dependencies list for 14.04 as of now, you can install them with apt-get:

```
$ sudo apt-get install libhwloc-dev libhwloc5 libunwind8 libunwind8-dev
```

ATS v9.x

ATS v9.0.0 drops Ubuntu 14.04 support because of minimum openssl version (v1.0.2). If you want, you can build OpenSSL (v1.0.2 or later) from source and use it for ATS 9.

ATS v8.0

For ATS v8.0.0 and later, a compiler with support for C++17 is required. On Ubuntu 14, 16 and 17, you can install this using the test PPA:

```
$ sudo apt-get install software-properties-common python-software-properties  
$ sudo add-apt-repository ppa:ubuntu-toolchain-r/test  
$ apt-get update  
# Optional, but this avoids having apt-get upgrade download other things from the test repository  
# Note: xenial for Ubuntu 16.x and 17.x, trusty for Ubuntu 14.x  
$ cat > /etc/apt/preferences.d/xenial  
Package: *  
Pin: release a=xenial  
Pin-Priority: 50  
$ apt-get -t xenial install gcc-7 g++-7
```

If you prefer to use LLVM / clang, you can install this on Ubuntu 16 and 17 with:

```
$ sudo apt-get install clang-5.0
```

Git

To use Git, you must install the appropriate packages:

```
$ sudo apt-get install git git-core
```

For more details how to use Git with our source, please see our [GitHub](#) page.

configure and build

For more details, see the [Building](#) page

```
$ ./configure && make
```