

## Installing Apache - With DSO support

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I normally perform the following su'd as root unless otherwise noted

*Step 1: make the directory, if it does not already exist, to put the tarball and source tree into*

```
mkdir /usr/local/src/apache
```

*Step 2: get the tarball, either from [www.apache.org](http://www.apache.org) or from a local source*

```
download or copy <apacheversion>.tar.gz to /usr/local/src/apache
```

*Step 3: unzip and untar the tarball*

```
cd /usr/local/src/apache
tar zxvf /usr/local/src/apache/<apacheversion>.tar.gz
cd /usr/local/src/apache/<apacheversion>
```

*the above will unzip and untar the tarball into the required directory tree*

*Step 4: configure the makefile ready to compile*

```
./configure --verbose \  
--prefix=/usr/local/apache/<version> \  
--enable-module=so \  
--enable-shared=max
```

*verbose is enabled just-for-the-hell-of-it™*

*prefix defines the base directory to install into*

*enable-module=so is enables DSO support*

*enable-shared=max enables shared support for distributed modules*

*Step 5: finally do the compile and the install*

```
make && make install
```

*Step 6: start Apache*

```
/usr/local/apache/<apacheversion>/bin/apachectl start
```

*you **should** now have a working Apache server with DSO support*

*Step 7: test Apache*

```
telnet <hostname> <port>
HEAD / HTTP/1.0<CR><CR>
Should return a line like following:
Server: Apache/1.3.11 (Unix)
```

*telnet <hostname> <port> where <hostname> is the hostname of the machine Apache is installed and running on and <port> is the number of the port that Apache is running on, usually 80, but sometime 8080, configurable via httpd.conf*