

# Installing BAT

**ROOT (required)**, <http://root.cern.ch>, latest version (5.34.12)

**Download the precompiled binary for your system,**  
before attempting compilation yourself!

After installation edit environment variables

bash, zsh (~/.bashrc, ~/.zshenv)

```
export ROOTSYS=/path/to/root
export PATH=$ROOTSYS/bin:$PATH
export CPATH=$ROOTSYS/include:$CPATH
export LD_LIBRARY_PATH=$ROOTSYS/lib:$LD_LIBRARY_PATH
```

csh, etc. – change `export X=Y` to `setenv X Y` for above lines

TEST:

open new terminal (or source env-variable script)

run `root-config --version`

BAT: <https://github.com/bat/bat> (“Download ZIP” button on right-hand side)

Unzip, enter directory, and run `./autogen.sh`

```
./configure --with-rootsys=`root-config --prefix`  
            [ --prefix=/desired/path/to/installation ]
```

```
make          (~ 1 minute)
```

```
make install
```

After installation edit environment variables (if `--prefix=...`)

bash, zsh (`~/.bashrc`, `~/.zshenv`)

```
export BATINSTALLDIR=/path/to/bat  
export CPATH=$BATINSTALLDIR/include:$CPATH  
export LD_LIBRARY_PATH=$BATINSTALLDIR/lib:$LD_LIBRARY_PATH
```

csh, etc. `export X=Y` → `setenv X Y`

TEST: open new terminal (or source env-variable script)

run `ls -R $BATINSTALLDIR`, to see headers (.h) and libraries (.so)