

Installation of Bluespec Compiler

This report contains the installation procedure to setup the Bluespec Compiler (BSC) on Ubuntu 24.04. The latest version of the Ubuntu Linux Distribution can be installed from here [Download Ubuntu Desktop | Ubuntu](#)

Steps

#STEP01

Install the tape archive (TAR) of the Bluespec Compiler (BSC) here Releases-BSC (github.com)

#STEP02

Save the download in any one of the following locations: `/opt`, `${HOME}/` or `/usr/share`. If the file is downloaded to other locations, use the following command to move it to the suggested folders: `sudo mv filename /opt`

#STEP03

Unpack the archive using the command: `sudo tar -xvzf filename`

#STEP04

Further installation instructions to add the path can be found in the `README.txt`

#STEP05

Create a directory named `tools` using the command: `sudo mkdir -p /opt/tools/bsc`

#STEP06

Move the unpacked `BSC` file inside the directory using the command: `sudo mv filename /opt/tools/bsc/filename`

#STEP07

Navigate to the directory in the terminal using the command: `cd /opt/tools/bsc` and create a symbolic link using the command: `sudo ln -s filename latest`

#STEP08

To add the `bin` subdirectory to the `PATH` open the configuration file for the Bash shell environment using the command: `gedit ~/.bashrc`. Any one of the following text editor of choice can be used `vim` and `nano`

#STEP09

At the bottom of the configuration file, add the following path: `export PATH="/opt/tools/bsc/latest/bin:$PATH"`. Save and exit.

#STEP10

To check whether the `PATH` has been added correctly, use the command `echo $PATH`. Successful inclusion of the path will prompt the following output in the terminal window

```
/opt/tools/bsc/latest/bin:/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/usr/games:/usr/local/games:/snap/bin:/snap/bin
```