

# Anaconda installation

## Windows

-> TODO

## Linux

### Download the Anaconda installation script

Navigate to the [/tmp](#) directory and download the Anaconda installation script using the link that you copied from the Downloads page:

```
cd /tmp
curl -O https://repo.anaconda.com/archive/Anaconda3-5.3.1-Linux-x86_64.sh
```

### Verify the Data Integrity of the script

Use the `sha256sum` command to verify the script checksum:

```
sha256sum Anaconda3-5.3.1-Linux-x86_64.sh
```

You should see an output like the following:

```
Output
d4c4256a8f46173b675dd6a62d12f566ed3487f932bab6bb7058f06c124bcc27  Anaconda3-5.3.1-
Linux-x86_64.sh
```

Make sure the hash printed from the command above matches the one available at the Anaconda with Python 3 on 64-bit Linux page for your appropriate Anaconda version.

```
https://docs.anaconda.com/anaconda/install/hashes/Anaconda3-5.3.1-Linux-x86\_64.sh-
hash.html
```



# Hashes for Anaconda3-5.3.1-Linux-x86\_64.sh

All installer files are available at <https://repo.anaconda.com/archive/> .

You can verify the data integrity of the Anaconda installer files by [running a local program to generate their MD5 or SHA-256 cryptographic hashes](#) and checking the output to be sure it matches the hashes (or "checksums") below.

If the MD5 or SHA-256 hash that you generate does not match the one here, the file may not have downloaded completely. Please download it again and re-check. If repeated downloads produce the same result, please [contact us](#) to report the problem, including the file name, whether you used MD5 or SHA-256, the hash you generated, and the hash on the site.

exact time file was last modified, as Unix time stamp	1542656326.2786372
time file was last modified, in human readable format	2018-11-19 13:38:46
exact file size, in bytes	667976437
file size, in human friendly format	637.0 MiB
md5	334b43d5e8468507f123dbfe7437078f
sha256	d4c4256a8f46173b675dd6a62d12f566ed3487f932bab6bb7058f06c124bcc27

## Run the Anaconda Installation Script

To start the Anaconda installation process run the installation script:

```
bash Anaconda3-5.3.1-Linux-x86_64.sh
```

You should see the output like the following:

```
Welcome to Anaconda3 5.3.1

In order to continue the installation process, please review the license
agreement.
Please, press ENTER to continue
```

Press **ENTER** to continue and then press **ENTER** to scroll through the license. Once you're done reviewing the license, you'll be asked to approve the license terms:

```
Do you accept the license terms? [yes|no]
```

Type **yes** to accept the license and you'll be prompted to choose the installation location.

```
Anaconda3 will now be installed into this location:
/home/linuxize/anaconda3

- Press ENTER to confirm the location
- Press CTRL-C to abort the installation
- Or specify a different location below
```

The default location is fine for most users, press **ENTER** to confirm the location and installation process will continue.

If you get an error saying **bunzip2: command not found**, install the **bzip2** package with: **sudo yum install bzip2**.

The installation may take some time and once it is completed, the following output will be displayed:

```
Installation finished.  
  
Do you wish the installer to initialize Anaconda3  
in your /home/linuxize/.bashrc ? [yes|no]
```

If you want to use the conda command type **yes** press **ENTER** and you'll be presented the following output:

```
Appending source /home/linuxize/anaconda3/bin/activate to /home/linuxize/.bashrc  
A backup will be made to: /home/linuxize/.bashrc-anaconda3.bak  
  
For this change to become active, you have to open a new terminal.  
  
Thank you for installing Anaconda3!
```

The installer will also ask you whether you would like to download and install Visual Studio Code.

```
Anaconda is partnered with Microsoft! Microsoft VSCode is a streamlined  
code editor with support for development operations like debugging, task  
running and version control.  
  
To install Visual Studio Code, you will need:  
  - Administrator Privileges  
  - Internet connectivity  
  
Visual Studio Code License: https://code.visualstudio.com/license  
  
Do you wish to proceed with the installation of Microsoft VSCode? [yes|no]
```

You can find more information about [Visual Studio](#) on the editor [website](#). If you want to install Visual Studio Code type **yes** otherwise type **no**.

To activate the Anaconda installation load the new **PATH** environment variable which was added by the Anaconda installer into the current shell session with the following command:

```
source ~/.bashrc
```

## Verify the Installation

You can verify your Anaconda installation using the `conda` command. For example to display information about current conda install type:

```
conda info
```

```
active environment : base
active env location : /home/linuxize/anaconda3
    shell level : 1
user config file : /home/linuxize/.condarc
populated config files :
    conda version : 4.5.11
    conda-build version : 3.15.1
    python version : 3.7.0.final.0
base environment : /home/linuxize/anaconda3 (writable)
    channel URLs : https://repo.anaconda.com/pkgs/main/linux-64
                  https://repo.anaconda.com/pkgs/main/noarch
                  https://repo.anaconda.com/pkgs/free/linux-64
                  https://repo.anaconda.com/pkgs/free/noarch
                  https://repo.anaconda.com/pkgs/r/linux-64
                  https://repo.anaconda.com/pkgs/r/noarch
                  https://repo.anaconda.com/pkgs/pro/linux-64
                  https://repo.anaconda.com/pkgs/pro/noarch
    package cache : /home/linuxize/anaconda3/pkgs
                  /home/linuxize/.conda/pkgs
    envs directories : /home/linuxize/anaconda3/envs
                  /home/linuxize/.conda/envs
    platform : linux-64
    user-agent : conda/4.5.11 requests/2.19.1 CPython/3.7.0 Linux/3.10.0-
957.1.3.el7.x86_64 centos/7 glibc/2.17
    UID:GID : 0:0
    netrc file : None
    offline mode : False
```

## Updating Anaconda

Updating the Anaconda is a pretty straight forward process, first update the conda tool with:

```
conda update conda
```

When prompted to confirm the update, type `y` to proceed.

Once conda is updated, proceed with the Anaconda update:

```
conda update anaconda
```

Same as with the previous command, when prompted, type **y** to proceed.

You should regularly update your Anaconda installation.

## References

[1] <https://linuxize.com/post/how-to-install-anaconda-on-centos-7/>