

1.0 Anaconda Installation

PAMPRO is coded using Python, so requires a Python interpreter to run the software. PAMPRO also requires further Python packages to run successfully which can all be installed as the Anaconda package.

- Before downloading Anaconda please ensure the relevant permissions are set.
 - Speak to the local IT Team if necessary
- To download Anaconda click the link below:
 - <https://store.continuum.io/cshop/anaconda>
- The website may ask for an email address before allowing the install to occur
- Ensure the correct version of anaconda is selected for download depending on your platform:
 - Linux version: symbolised by the Penguin in the list to download
 - Windows version: symbolised by Windows symbol



- Ensure Python version 3.4 or later is selected

NB: PAMPRO was developed in version 3.4 of python. If a newer version is available please contact pa-tech-support@mrc-epid.cam.ac.uk to ensure the correct version is downloaded.

INSTALLING ANACONDA ON LINUX:

- Select the relevant package for your system (32/64 bit) & copy the link by right clicking and selecting:
 - Internet explorer: copy shortcut
 - Firefox: copy link location
- Login to the Linux terminal
 - **MRC Epid users:** use MobaXterm Personal Edition to access Linux
 - **All other users:** Please seek advice from the relevant department if unsure of how to correctly access Linux
- Type `cd` (change directory) to make sure the it is at the home directory

```
[pa.test@b04 ~]$ cd
[pa.test@b04 ~]$
```

- Type *wget* and then right click (this pastes in the link you have copied)
 - *wget* is used to download to Linux
 - The link will be different each time it is selected because it is moment specific. The screenshot below shows the link then press Enter.

```
[pa.test@b08 ~]$ wget https://repo.continuum.io/archive/Anaconda3-4.4.0-Linux-x86_64.sh
--2017-06-06 12:42:51-- https://repo.continuum.io/archive/Anaconda3-4.4.0-Linux-x86_64.sh
Resolving repo.continuum.io... 104.16.18.10, 104.16.19.10, 2400:cb00:2048:1::6810:130a, ...
Connecting to repo.continuum.io|104.16.18.10|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 523283080 (499M) [application/x-sh]
Saving to: "Anaconda3-4.4.0-Linux-x86_64.sh"

100%[=====] 523,283,080 60.7M/s in 8.2s
```

- This will then run through the download of anaconda.
- Once downloaded type *ls* to ensure the "anaconda.sh" has been downloaded.

```
[pa.test@b08 ~]$ ls
Anaconda3-2.3.0-Linux-x86_64.sh
```

- Type *chmod 777* followed by the Anaconda.sh filename to make the file executable.
 - *ls* again to view the change (shown now in green).

```
[pa.test@b08 ~]$ chmod 777 Anaconda3-4.4.0-Linux-x86_64.sh
[pa.test@b08 ~]$ ls
Anaconda3-4.4.0-Linux-x86_64.sh
```

- Type *./* followed by the anaconda filename & press enter.

```
[pa.test@b08 ~]$ ./Anaconda3-4.4.0-Linux-x86_64.sh

Welcome to Anaconda3 4.4.0 (by Continuum Analytics, Inc.)

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

NB: Be careful with pressing more because at the end of the information you need to approve the license terms, which is defaulted to No if enter is just pressed. Type *yes*

```
Do you approve the license terms? [yes|no]
>>> yes █
```

- Press enter when asked for the installation location to be home.

```
Anaconda3 will now be installed into this location:
/home/pa.test/anaconda3

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

[/home/pa.test/anaconda3] >>> █
```

- Chose *yes* to allow the installer to location updating the .bashrc file

```
creating default environment...
installation finished.
Do you wish the installer to prepend the Anaconda3 install location
to PATH in your /home/pa.test/.bashrc ? [yes|no]
[no] >>> yes
```

- If no is pressed by mistake, at the end of the install the .bashrc file can be altered manually.
 - Open the .bashrc file (using gedit followed by .bashrc)

```
[pa.test@b08 ~]$ gedit .bashrc
```

- Add the following line to the bottom of the file, save and close

```
export PATH = "/home/<YOUR ID>/anaconda3/bin:$PATH"
```

```
| export PATH="/home/pa.test/anaconda3/bin:$PATH"
```

- Once the .bashrc file has been updated (automatically or manually) anaconda has been installed. The next step in setup can now be completed.

INSTALLING ANACONDA ON WINDOWS:

- Download the installation package
- Run the .exe installation package on Windows
- (MRC-EPI users: install latest version from P:\Install\Anaconda\)