Installing Pathon: Uindows, Mac OS, Ubunto, GNU/Linux

Window:

go to, puthon.org/downloads/release/puthon-366/

on the Files section dounload the Windows x86-64 executable installer run the installer: check boxes D Install bouncher for all users

Add Pathon 3.6 to PATH

than Install Now

dick on Disable path length limit

cless the installer

as to i cyguin, com and down load installer and install with all defaults

open Windows Power Shell: Get-Command py → shows if py --version Py → 3.6.6 py -m plp install -U pip py -m pip install virtudent

- shows where the bloomy is and the version of upu com "create" a which commond in Ulndows va:

New-Allas which Get-Command to make the row command alubus available: " \n New-Alias which Get-Command"

rowline add-content spraffe

download the mac 05 64-bit installer from Files section run Installer and Install with defaults

open Terminal:

Which python 3.6 → 3.6.7 rc 2 or the name of the version Python 3.6 -- version you have

Mac 05:

go to: same url as Windows

run which puthon 3.6 to see It it is

on Linux pip is usually installed but

operading pip to its latest version will

on the PATH

not on PATH

still in Terminal:

Python 3.6 -m pip install -U pip python 3.6 -m pip install virtualenv

Llnux:

open Terminal:

Sudo apt-get install python 3.6

Python 3.6 -m pip install -U pip

mow if this last command does not

work, then we also need to install pip:

sudo apt-get install python3-plp

which pip3 >> should show the poth to the pip3 binary

python3.6 -m pip install -U pip

install virtualenv:

python 3.6 -m pip Install virtualenv > you may need permission for this

If it does not work start the

Command with 'sudo'

which virtualizary - should display the path to virtualizary

Econ Cluster (Duke):

cluster runs on Linux, to verify that we can run:

vname -- Kernel-name -> same as just 'uname'

the hostname is:

uname -- nodename

to print information about the CPU: Iscpu

to print information about the block devices (storage devices):

to print the operating system:

uname -0 (or -- operating-system)

to print all information from uname; uname -a (--all)

Irstalling python 3.6 (or other versions) on the cluster; uhile us do not have admin privileges on the cluster, use can still install a more recent version of puthon to facilitate that use uill use a project that allows us to easily install python and suitch between different versions that project is: pyonv ~ available on pyonv) pyonv

git clone https://github.com/pyenv/pyenv.git N/.pyenv
echo 'export PYENV_ROOT = "thorse.pyenv" >> ~/.bash_profile

this env. variable holds the path to your home
folder

creates a now environmental variable called PYENV_ROOT
which points to the folder that contains the files of the
project we just downloaded

this file is executed by
the terminal whenever a new session
is initialized

echo echo Llekome Guilhermo! >> N/Lbosh-profile -> nou if you open a nou
terminal you will see this
welcome message

echo! export PATH = "\$PYENV_POOT/bin: \$PATH" >> N/. bash-profile

if you use another terminal (say you want to use pyenv on your personal

computer) them you may need to change . bash-profile to . bashrc or

to .Zshenv

lastly, run:

echo -e 'f command -v pyenv 1>/dev/null 2>&1; then/n eval '\$ (pyenv init -)"

Interprets special mfi'>> n/bash-profilecharacters like n to a

characters like in to a

this last command adds pyens to the path so that it intercepts the commands related to puthon and points towards the correct binaries

(If for some reason you mess up your PATH, you can reset it to default via:)

(PATH = \$\frac{1}{(\substack\conf} PATH)}

NOW exit your sight session and log back in

We can use pyens to easily install and manage python versions:

Due now install -- list -> lists all puthon implementations and versions

We can install

pheno install 3.6.6 the use of 3.6.6 is mostly for compatibility with tensorflow in the future it should be compatible with the prost recent versions of puthon

Installing other versions (like 3.7.0

Pheny global 3.6.6 - sets puthon version 3.6.6 as the global Pethon version

typing python or python3 will take you to the Python 3.6.6 version

puenr versions - lists all available Pathon versions

→ litts all punn commands and discriptions

→ Note the version of puthon currently specified to

braun dopa

101/

to go back to using the system versions of Python (versions of python installed : (virind upper

pueno global sustem

to disable pyens, open your Nobash-profile file and comment the lines

if command -v pyenv 1>/dev/null 2>&1; then
eval "d (pyenv Init -)"

than reopen the session (terminal) and now the python will be whatever to Installed outside pyens

depending on the python version you want to install or what took (biraries) one available on the cluster, you will need access to 'sudo' to install perform (for example puent Install 3.7.0' does not work because it needs to create