Record of Installation JingPad

18 Nov 2021
Starting now
American English Next
User Name
6 digit password Next, repeat
Time zone London Next
Connect to Wi-Fi
Welcome to JingOS tick agree terms
Swipe Up unlock
Settings Display and Brightness Dark Mode Restart
Settings WLAN join network
Settings System and Update About JingOS1.0.0 Kernel 4.14.133
Software Update to 1.1.0 Update Now Passcode
Restart Now
JingOS Store Developer Tools VSCode Get
In Terminal
sudo apt install python3-pip
from julialang.org downloaded Julia 1.6.3 Generic Linux ARM 64-bit AArch64
cd ~/Downloads
gzip -d julia-1.6.3-Linux-aarch64.tar.gz
tar -xvf julia-1.6.3-Linux-aarch64.tar
sudo mv julia-1.6.3 /usr/local/bin
sudo ln -s /usr/local/bin/julia-1.6.3/bin/julia /usr/local/bin/Julia16
From nodes.org other downloads downloaded Linux Binaries ARMv8 of 17.1.0
tar -xf node -v17.1.0-linux-arm64.tar.xz
sudo mv node-v17.1.0-linux-arm64 /usr/local/bin
From https://GitHub.com/conda-forge/miniforge downloaded Miniforge3-Linux-aarch64
bash Miniforge3-Linux-aarch64.sh
Enter yes Enter yes
Ctrl -d quit terminal
Restart terminal
conda create -n a397 python=3.9.7
conda activate a397
conda install -c conda-forge jupyterlab

conda install -c conda-forge numpy
conda install -c conda-forge sympy
conda install -c conda-forge matplotlib
conda install -c conda-forge pandas
conda install -c conda-forge plotly
conda install -c conda-forge bokeh
conda install -c conda-forge scipy
conda install -c conda-forge seaborn
conda install -c conda-forge ipympl
conda install -c conda-forge pyvista

```
conda install -c conda-forge ipyvtklink
conda install -c conda-forge vispy
conda install -c conda-forge watermark
conda install -c conda-forge stochastic
conda install -c conda-forge nglview
conda install -c conda-forge astropy plasmapy

jupyter-nbextension enable nglview --py --sys-prefix
pip install octave-kernel

sudo ln -s /usr/local/bin/julia-1.6.3/bin/julia /home/Bunsen/miniforge3/envs/a397/
bin/julia
sudo apt install fonts-freefont-otf
sudo apt install ghostscript
sudo apt install git
cd ~
git init
sudo apt install octave
octave - - gui Exit
sudo apt install r-base r-base-core r-base-dev

sudo R (capital)
install.packages('IRkernel')
install.packages('plotly')
IRkernel::installspec()
quit()

julia
ENV["PYTHON"]="/Users/YOURUSER/miniforge3/envs/a397/bin/python3"
]
add PyPlot
add IJulia
add Plots
add DifferentialEquations
add Plotly
add Pluto
add Makie
add AbstractPlotting
add Molly
add GLMakie
Backspace
using Pluto
Pluto.run(host="0.0.0.0")
exit()

sudo ln -s /usr/local/bin/node-v17.1.0-Linux-arm64/bin/node /home/Bunsen/
miniforge3/envs/a397/bin/node
```

sudo ln -s /usr/local/bin/node-v17.1.0-Linux-arm64/bin/npm /home/Bunsen/miniforge3/envs/a397/bin/npm

jupyter-lab build

jupyter labextension install @techrah/text-shortcuts
jupyter labextension list
jupyter kernelspec list
jupyter nbextension list
mv .jupyter miniforge3/envs/a397
export JUPYTER_CONFIG_DIR=~/miniforge3/envs/a397

jupyter-lab - -notebook-dir=~/home/Bunsen
Verify working with test notebook Then shutdown