

<Arrhenius>

1. High performance desktop for Sunghun Park's team (in 2019)
2. IP address: 203.247.189.171
3. Specification
 - CPU: Intel Xeon Gold 5120, 19.25 M Cache, 2.20 GHz, 14 Cores * 2 EA
Total 28 CPU Cores
 - Memory: 384GB RDIMM
 - OS: Ubuntu 18.04
 - Disk information: 24 TB storage
4. How to access and use

You can access to arrhenius by the command as below.

\$ ssh -XCY -p 4022 username@arrhenius.ibs.re.kr

Applications installed are as below.

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----- Installed Programs or Libraries -----  
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MATLAB R2022a  
Intel compiler 19.0.5.243  
gcc 7.5.0
```

Python 3.6

\$ pip3 -V

pip 19.1.1 from /usr/local/lib/python3.6/dist-packages/pip (python 3.6)

\$ pip3 list

Package	Version
absl-py	0.7.1
alembic	1.0.10
apturl	0.5.2
asn1crypto	0.24.0
astor	0.8.0
async-generator	1.10
attrs	19.1.0
backcall	0.1.0
bleach	3.1.0
Brlapi	0.6.6
certifi	2018.1.18
certipy	0.1.3
cffi	1.12.3
chardet	3.0.4
command-not-found	0.3

cryptography	2.7
cupshelpers	1.0
cycler	0.10.0
decorator	4.4.0
defer	1.0.6
defusedxml	0.6.0
distro-info	0.18ubuntu0.18.04.1
entrypoints	0.3
gast	0.2.2
grpcio	1.21.1
h5py	2.9.0
httplib2	0.9.2
idna	2.6
ipykernel	5.1.1
ipython	7.5.0
ipython-genutils	0.2.0
jedi	0.13.3
Jinja2	2.10.1
jsonschema	3.0.1
jupyter-client	5.2.4
jupyter-core	4.4.0
jupyterhub	1.0.0
Keras	2.2.4
Keras-Applications	1.0.8
Keras-Preprocessing	1.1.0
keyring	10.6.0
keyrings.alt	3.0
kiwisolver	1.1.0
language-selector	0.1
launchpadlib	1.10.6
lazr.restfulclient	0.13.5
lazr.uri	1.0.3
louis	3.5.0
macaroonbakery	1.1.3
Mako	1.0.7
Markdown	3.1.1
MarkupSafe	1.0
matplotlib	3.1.0
mistune	0.8.4
mock	3.0.5
nbconvert	5.5.0
nbformat	4.4.0
netifaces	0.10.4
nose	1.3.7

notebook	5.7.8
numpy	1.16.4
oauth	1.0.1
oauthlib	3.0.1
olefile	0.45.1
pamela	1.0.0
pandas	0.24.2
pandocfilters	1.4.2
parso	0.4.0
pexpect	4.2.1
pickleshare	0.7.5
Pillow	5.1.0
pip	19.1.1
prometheus-client	0.6.0
prompt-toolkit	2.0.9
protobuf	3.8.0
ptyprocess	0.6.0
pycairo	1.16.2
pycparser	2.19
pycrypto	2.6.1
pycups	1.9.73
Pygments	2.4.2
pygobject	3.26.1
pymacaroons	0.13.0
PyNaCl	1.1.2
pyOpenSSL	19.0.0
pyparsing	2.4.0
pyRFC3339	1.0
pyrsistent	0.15.2
python-apt	1.6.5+ubuntu0.3
python-dateutil	2.6.1
python-debian	0.1.32
python-editor	1.0.4
pytz	2018.3
pyxdg	0.25
PyYAML	3.12
pyzmq	18.0.1
reportlab	3.4.0
requests	2.18.4
requests-unixsocket	0.1.5
scipy	1.3.0
SecretStorage	2.3.1
Send2Trash	1.5.0
setuptools	39.0.1

simplejson	3.13.2
six	1.11.0
SQLAlchemy	1.3.4
ssh-import-id	5.7
system-service	0.3
systemd-python	234
tensorboard	1.13.1
tensorflow	1.13.1
tensorflow-estimator	1.13.0
termcolor	1.1.0
terminado	0.8.2
testpath	0.4.2
tornado	6.0.2
traitlets	4.3.2
ubuntu-drivers-common	0.0.0
ufw	0.36
unattended-upgrades	0.1
urllib3	1.22
usb-creator	0.3.3
wadllib	1.3.2
wcwidth	0.1.7
webencodings	0.5.1
Werkzeug	0.15.4
wheel	0.30.0
xkit	0.0.0
zope.interface	4.3.2
