

## <Electron>

1. High performance desktop for Dung's team (in 2020)
2. IP address: 203.247.189.175
3. Specification
  - CPU: AMD EPYC 7742 Processor, 256 MB Cache, 2.25 GHz, 64 Cores
  - Memory: 512GB DDR4 (64GB \* 8ea)
  - OS: Ubuntu 18.04
  - Disk information: 2TB SSD, 32TB HDD storage
4. How to access and use

You can access to electron by the command as below.

**\$ ssh -XCY -p 4022 [username@electron.ibs.re.kr](mailto:username@electron.ibs.re.kr)**

Applications installed are as below.

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----- Installed Programs or Libraries -----  
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Julia-1.6.0

gcc 7.5.0

MATLAB R2020b, Mathematica 12.2

Python 3.6

\$ pip3 -V

pip 9.0.1 from /usr/lib/python3/dist-packages (python 3.6)

\$ pip3 list

Package (Version)

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apturl (0.5.2)

asn1crypto (0.24.0)

Brlapi (0.6.6)

certifi (2018.1.18)

chardet (3.0.4)

click (6.7)

colorama (0.3.7)

command-not-found (0.3)

cryptography (2.1.4)

cupshelpers (1.0)

defer (1.0.6)

distro-info (0.18ubuntu0.18.04.1)

greenlet (0.4.12)

httplib2 (0.9.2)

idna (2.6)

keyring (10.6.0)  
keyrings.alt (3.0)  
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)  
MarkupSafe (1.0)  
msgpack (0.5.6)  
neovim (0.2.0)  
netifaces (0.10.4)  
oauth (1.0.1)  
olefile (0.45.1)  
pexpect (4.2.1)  
Pillow (5.1.0)  
pip (9.0.1)  
protobuf (3.0.0)  
pycairo (1.16.2)  
pycrypto (2.6.1)  
pycups (1.9.73)  
pygobject (3.26.1)  
pymacaroons (0.13.0)  
PyNaCl (1.1.2)  
pyRFC3339 (1.0)  
python-apt (1.6.5+ubuntu0.7)  
python-dateutil (2.6.1)  
python-debian (0.1.32)  
pytz (2018.3)  
pyxidg (0.25)  
PyYAML (3.12)  
reportlab (3.4.0)  
requests (2.18.4)  
requests-unixsocket (0.1.5)  
SecretStorage (2.3.1)  
setuptools (39.0.1)  
simplejson (3.13.2)  
six (1.11.0)  
ssh-import-id (5.7)  
system-service (0.3)  
systemd-python (234)  
ubuntu-advantage-tools (27.5)  
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)  
wheel (0.30.0)  
xkit (0.0.0)  
zope.interface (4.3.2)

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