Installation of Caldera with OT plugins

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# Install requirements

Any Linux or MacOS

Recommended hardware to run on is 8GB+ RAM and 2+ CPUs

## # Python

sudo apt update

sudo apt install python3

sudo apt install python3-pip

python3 –version # verify installation, mine: 3.11.9

## #NodeJS

sudo apt update

curl -fsSL <https://deb.nodesource.com/setup_current.x> | sudo -E bash -

sudo apt install -y nodejs

node -v # verify installation, mine: 22.8.0

## #Go

wget https://go.dev/dl/go1.19.9.linux-amd64.tar.gz

sudo tar -C /usr/local -xzf go1.19.9.linux-amd64.tar.gz

nano ~/.bashrc

#Add the following line at the end of the file:

#export PATH=$PATH:/usr/local/go/bin

# Save and exit the editor

source ~/.bashrc # reload your .bashrc

go version # verify installation, mine: 1.19.9

# Install Caldera

#I had problem with packages incompatibilities so i use version 4.2.0 instead of latest:5.0.0

## #Cloning and requirements

git clone [https://github.com/mitre/caldera.git --recursive --tag 4.2.0](https://github.com/mitre/caldera.git%20--recursive%20--tag%204.2.0)

cd caldera  
pip3 install -r requirements.txt

pip3 install -r requirements.txt

## #Running Caldera

python3 server.py --insecure –build

# 1. check for errors and warning in the execution and solve them if there are needed

# 2. You expect to see in the end of running a big, printed CALDERA, then :

# \*\*\*In your browser run: [http://localhost:8888](http://localhost:8888/) and then the application will start locally

# To login use :

# Username: admin

# Password admin

# 3. When you solve any issue and reach this stage you can continue to Caldera-OT plugins

# Install Caldera-OT plugins

*#In a different folder do:*

git clone https://github.com/mitre/caldera-ot.git --recursive

# 1. Manually open the new folder and copy ONLY the folders

# (bacnet, dnp3, modbus, profinet, iec61850)

# to the folder of the original Caldera that you git

# clone before, and specifically to the folder: caldera/plugins

# 2. Open file conf/default.yml and in the section plugins add the

#following lines:

# 3. Open a Terminal in the caldera folder and run again the command:

- backnet

- dnp3

- modbus

- profinet

- iec61850

python3 server.py --insecure --build

# At the [http://localhost:8888](http://localhost:8888/)  you can now find the plugins we just add