

Set Proxy for Ubuntu to connect internet in NetSim

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1. Set Proxy

For connect internet ,There are two parts using proxy in NetSim.

1. Linux CLI
2. apt to install software

2. Set Ubuntu in NetSim

1. Create CML Reservation

Request CML Reservation

The CML Reservation Name is also the Username you will log into the CML host with. Once you have successfully reserved a host, the system will email you confirmation that will include the auto-generated password. You can extend Reservation time via the Manage Reservation page. To access the Manage Reservation page, use the 'Manage' button located on the right side of the My Reservations page. Please be familiar with our current Max Time Policy, which can be found on the [Netsim FAQ](#) page. If you are categorized as Sourced Support, you must select a Site denoted with "Sourced Support" or you will not be able to properly access your labs.

Participate as Beta Tester? ☐ [What's This? \[+\]](#)

Reservation Name* Duration Site

Must be 4-20 alphanumeric characters, underscore and dash allowed.

[Submit Request](#) [Cancel](#)

Your CML Reservation

To access your reservation, click on the CML Host Name and log in using the CML Name listed and the password you received in email. You can only have ONE Reservation at a time. If you have an active Reservation showing below, the "Create Reservation" page will be hidden. NetSim currently uses self-signed Certificates. On your first visit to a host, you may encounter a security warning in your browser. You can safely "Accept and Continue".

CML Name	CML Host Name	Site	Proxy	Ext. VLAN	Ext. Subnet	Ext. Gateway	Expires On	Manage
guangli2	cxi-rtp-cml-123.cisco.com CML Version: 2.3	RTP (BB)	proxy.est.cisco.com:8080 calo-rtp-proxy.cisco.com:3128	2582	10.12.82.0/24	10.12.82.1	06/28/2022 09:15 AM GMT	Manage

Status	Lab Name	Created On	Links	Nodes	Description
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* The CML name is the username for the indicated CML host. You should have received the password via email.

2. Topology and **ext-conn-0** configuration



NODE INFO SIMULATE CONNECTIVITY CONSOLE VNC **EDIT CONFIG**

Type of External Connectivity:

☒ NAT
 ☐ BRIDGE
 ☐ CUSTOM

3. Ubuntu configuration information

username:cisco, password: cisco

NODE INFO SIMULATE CONNECTIVITY CONSOLE VNC **EDIT CONFIG** INTERFACES

Configuration is locked: Wipe this node to edit its configuration.


```

1 #cloud-config
2 hostname: inserthostname_here
3 manage_etc_hosts: True
4 system_info:
5   default_user:
6     name: cisco
7   password: cisco
8   chpasswd: { expire: False }
9   ssh_pwauth: True
10  ssh_authorized_keys:
11    - your-ssh-pubkey-line-goes-here
12
  
```

3. Set Proxy for Ubuntu in NetSim

After ubuntu is booted,set below information

3.1 Linux CLI

1. set proxy

```

1 cisco@ubuntu:~$ export http_proxy="proxy.es1.cisco.com:8080"
2 cisco@ubuntu:~$ export https_proxy="proxy.es1.cisco.com:8080"
3 cisco@ubuntu:~$ export no_proxy="*.cisco.com,cisco.com"
  
```

2. Test Connection

ping command is not working.use **curl** to test

```

1 cisco@ubuntu:/etc/apt/apt.conf.d# curl -I www.google.com
2 HTTP/1.1 200 OK
3 P3P: CP="This is not a P3P policy! see g.co/p3phelp for more info."
  
```

```

4 Date: Wed, 22 Jun 2022 04:29:34 GMT
5 Server: gws
6 X-XSS-Protection: 0
7 X-Frame-Options: SAMEORIGIN
8 Expires: Wed, 22 Jun 2022 04:29:34 GMT
9 Cache-Control: private
10 Set-Cookie: 1P_JAR=2022-06-22-04; expires=Fri, 22-Jul-2022 04:29:34 GMT;
    path=/; domain=.google.com; Secure
11 Set-Cookie: AEC=AakniGOCYHER_e1KITKpiSh2UhF7YjaG5u0ciUpw1L4X-
    H7ptPQRu0izzag; expires=Mon, 19-Dec-2022 04:29:34 GMT; path=/;
    domain=.google.com; Secure; HttpOnly; SameSite=lax
12 Set-Cookie: NID=511=iYyPjVz6papsCCT9GaAKdzIatEwNqPHXA-
    7wiZfzSibvvSrun20QnfLMXGNCFGgDo2xNvpwcsbinft4iQFpNOhCaEGbiWE_mnaOU43Lx3f
    uZg7Ig4GJJ086PX1IPNPqblYOF8RPw38QC85Iucq0hMIeH2FgTg_N_y6SO2za8eZs;
    expires=Thu, 22-Dec-2022 04:29:34 GMT; path=/; domain=.google.com;
    HttpOnly
13 Content-Type: text/html; charset=ISO-8859-1
14 Via: 1.1 rtp5-lab-wsa-1.cisco.com:80 (Cisco-WSA/X)
15 Connection: keep-alive
16 Proxy-Connection: keep-alive

```

3.2 Linux apt proxy

1. set proxy

```

1 cisco@ubuntu:~$ cd /etc/apt/apt.conf.d
2 cisco@ubuntu:/etc/apt/apt.conf.d$ sudo vim proxy.conf
3 Acquire::http::Proxy "http://proxy.es1.cisco.com:80";
4 Acquire::https::Proxy "http://proxy.es1.cisco.com:80";

```

2. Update repository

```

1 cisco@ubuntu:~$ sudo apt update

```

3. Install a software

```

1 cisco@ubuntu:/etc/apt/apt.conf.d# sudo apt install tree
2 Reading package lists... Done
3 Building dependency tree
4 Reading state information... Done
5 tree is already the newest version (1.8.0-1).

```

Reference:

NetSim FAQs

<https://netsim2.cisco.com/faq>

