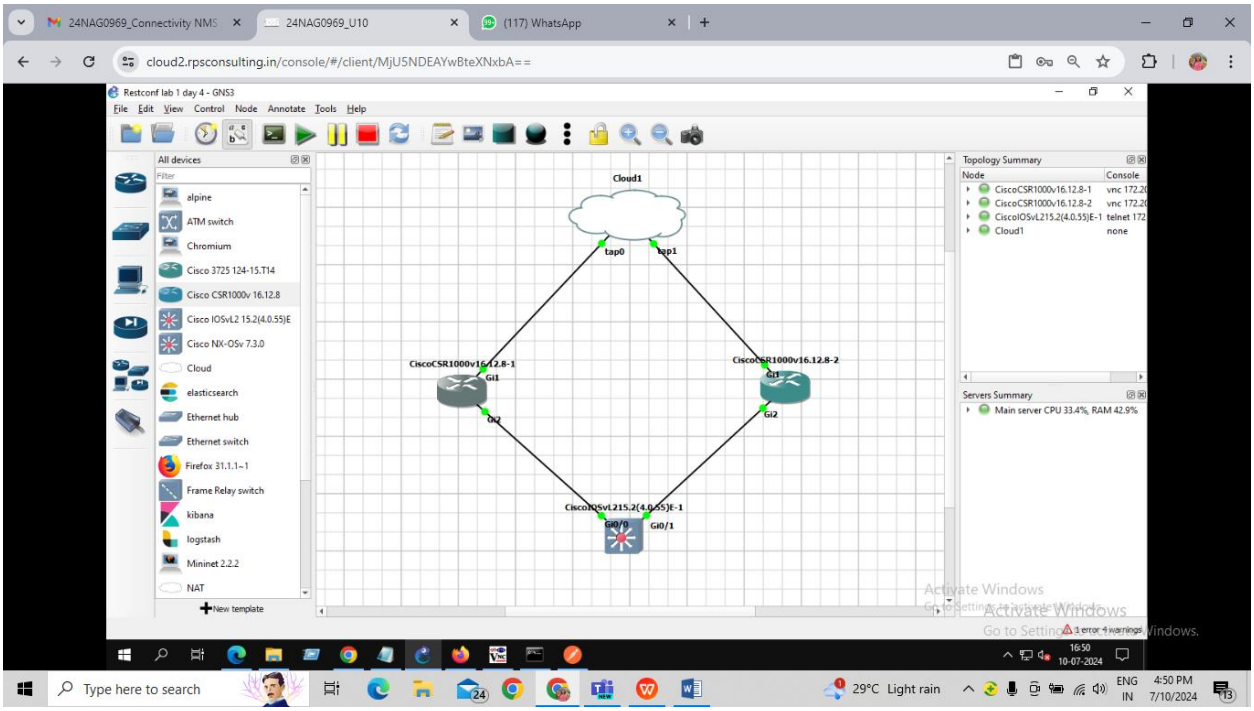
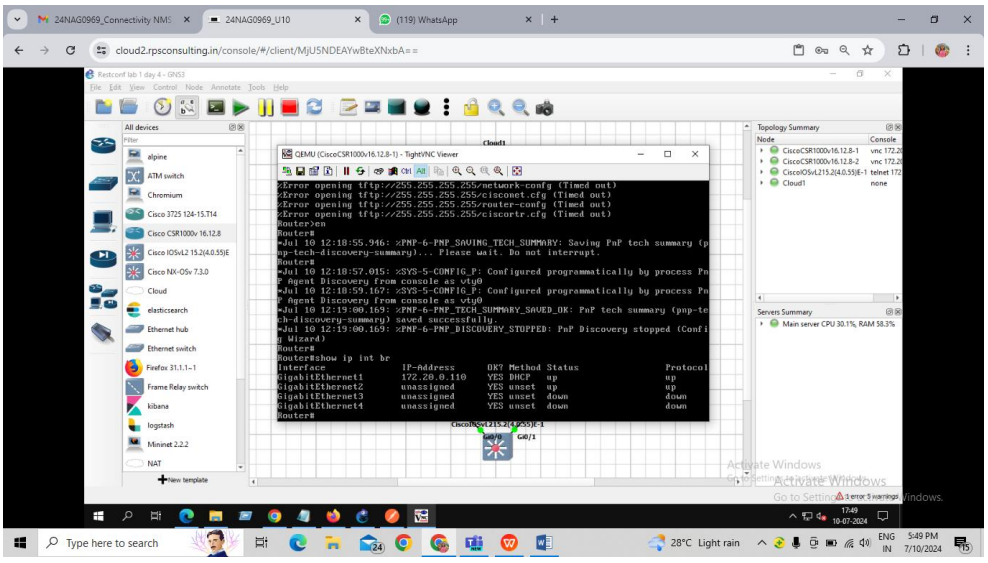
RESTCONF LAB

Topology:

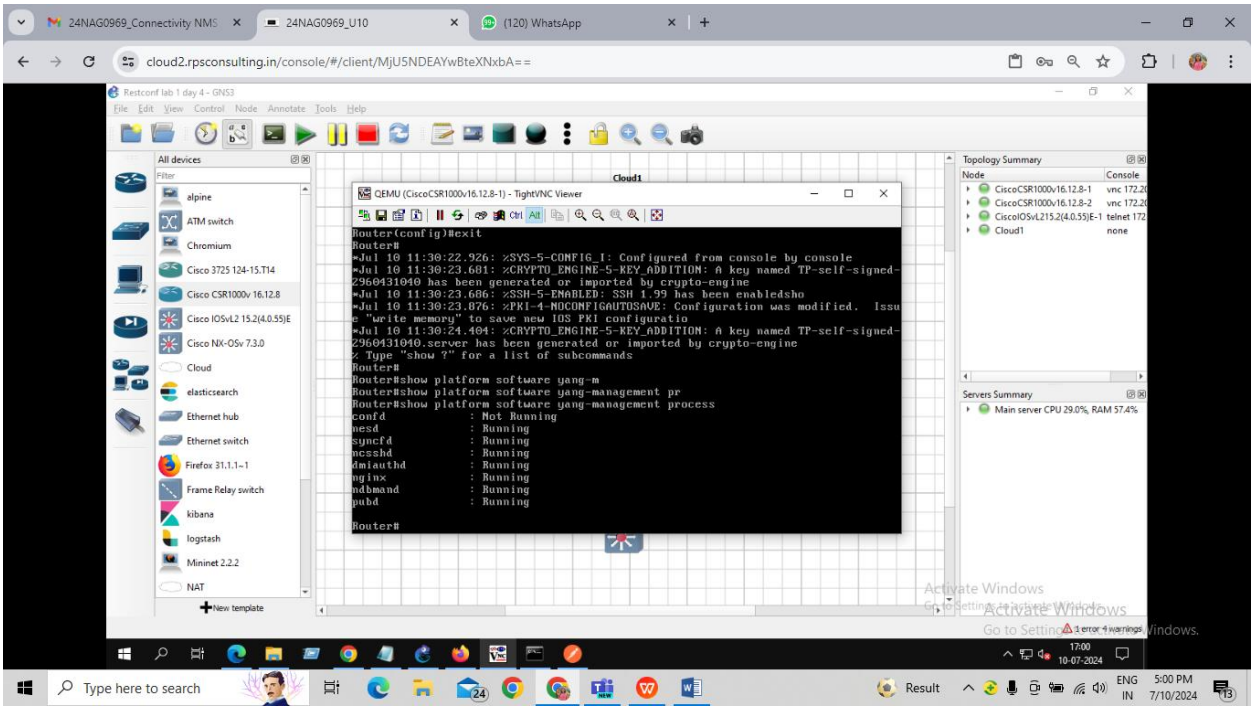


DHCP will allocate the IP address to the Router

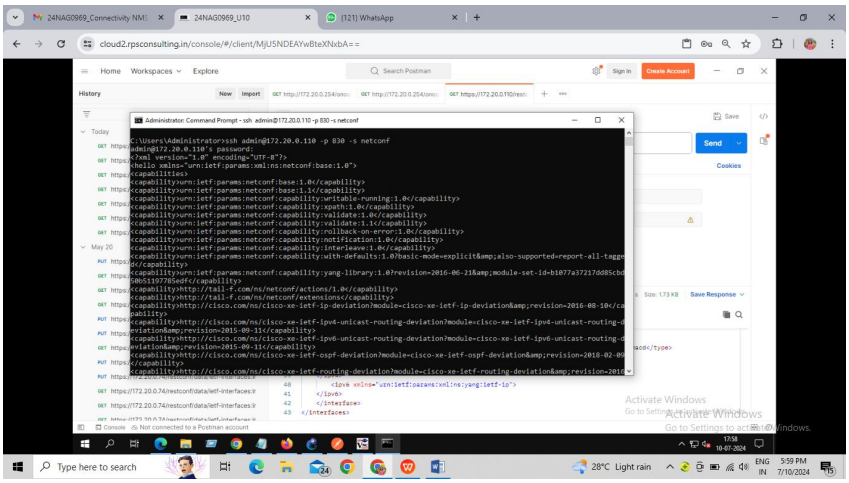


Go to Config Mode:

Conf t
user admin privilege 15 secret cisco123
aaa new-model
aaa authentication login default local
aaa authorization exec default local
Netconf-yang



Go to Command prompt and check the yang connectivity



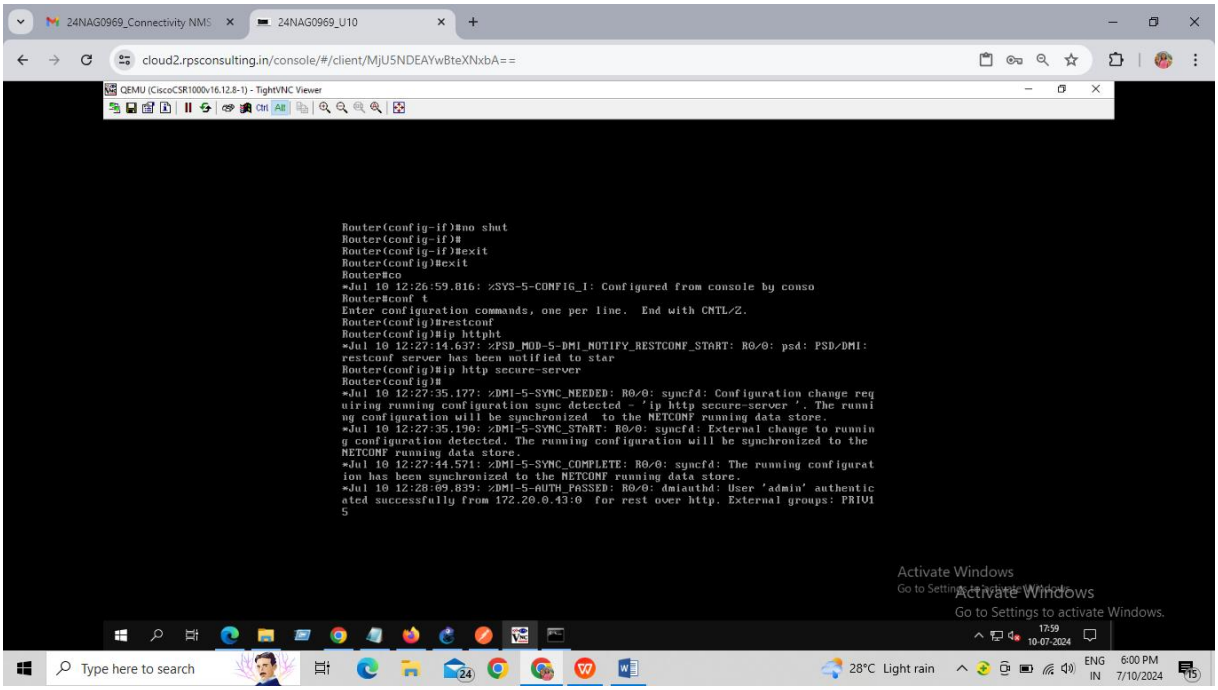
RestConf:

Enable the router with Restconf capability

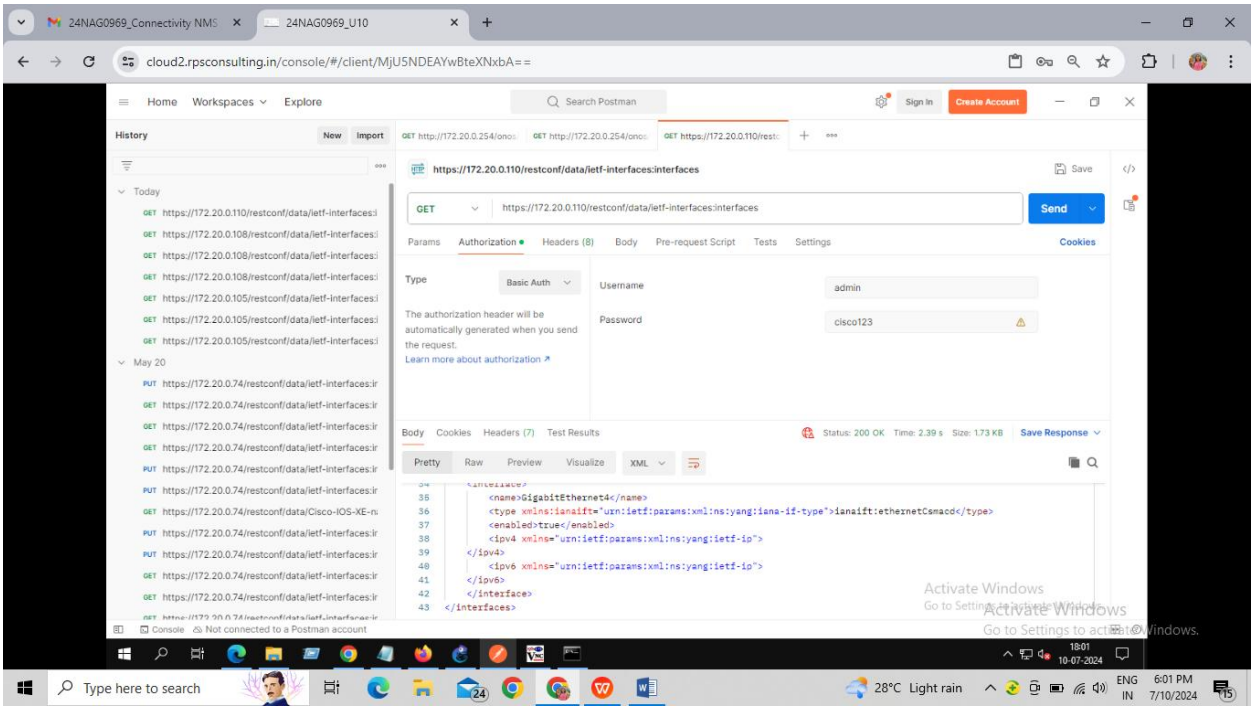
Conf t (Config mode)

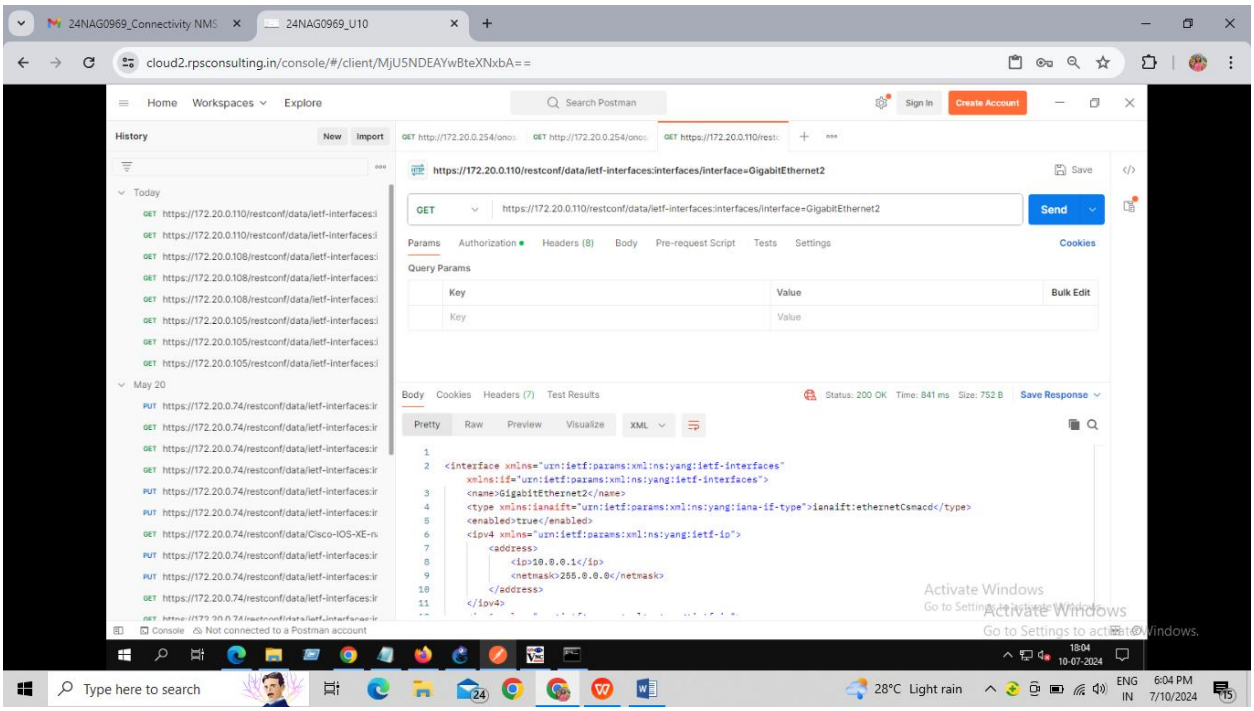
Restconf

Ip http secure-server

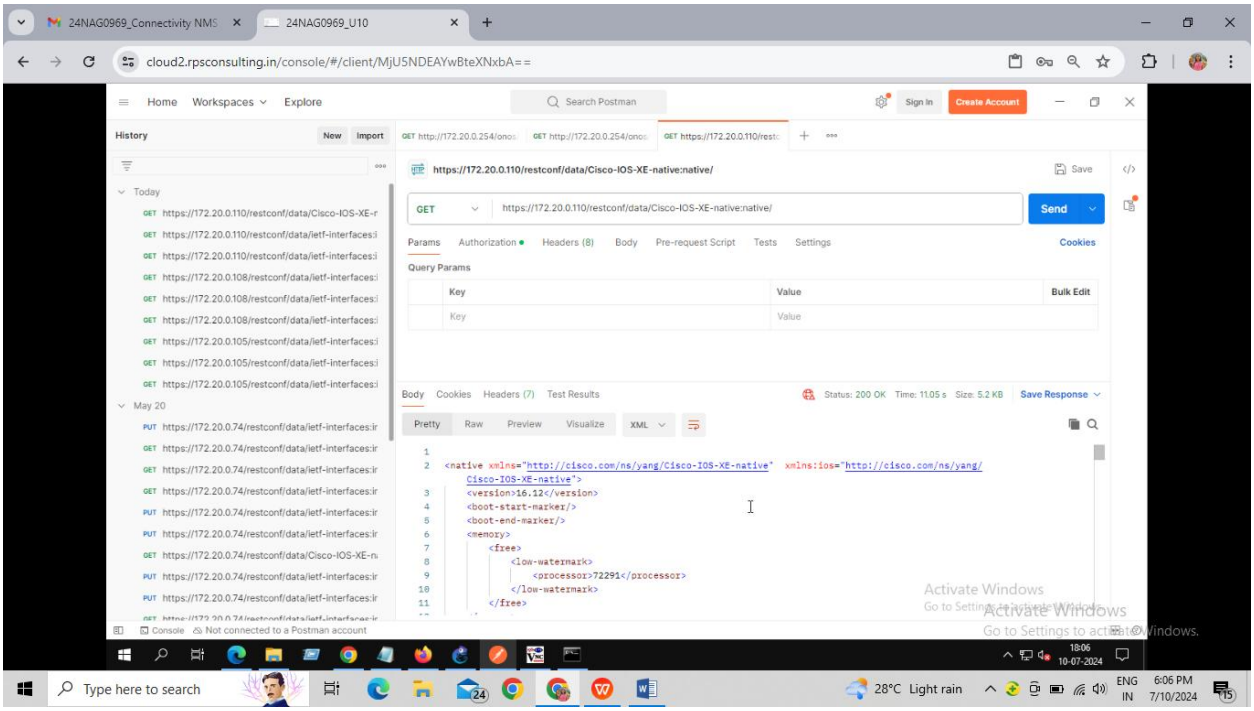


GET : https://IP address of server/restconf/data/ietf interfaces:interfaces

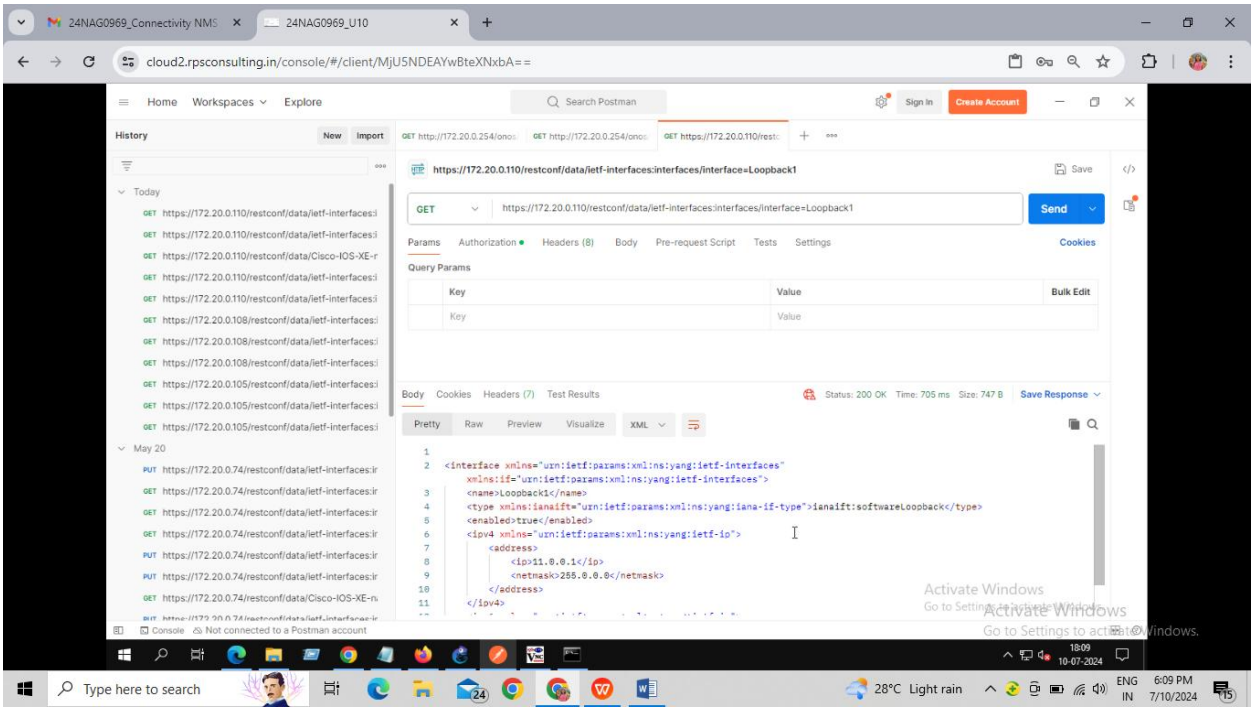


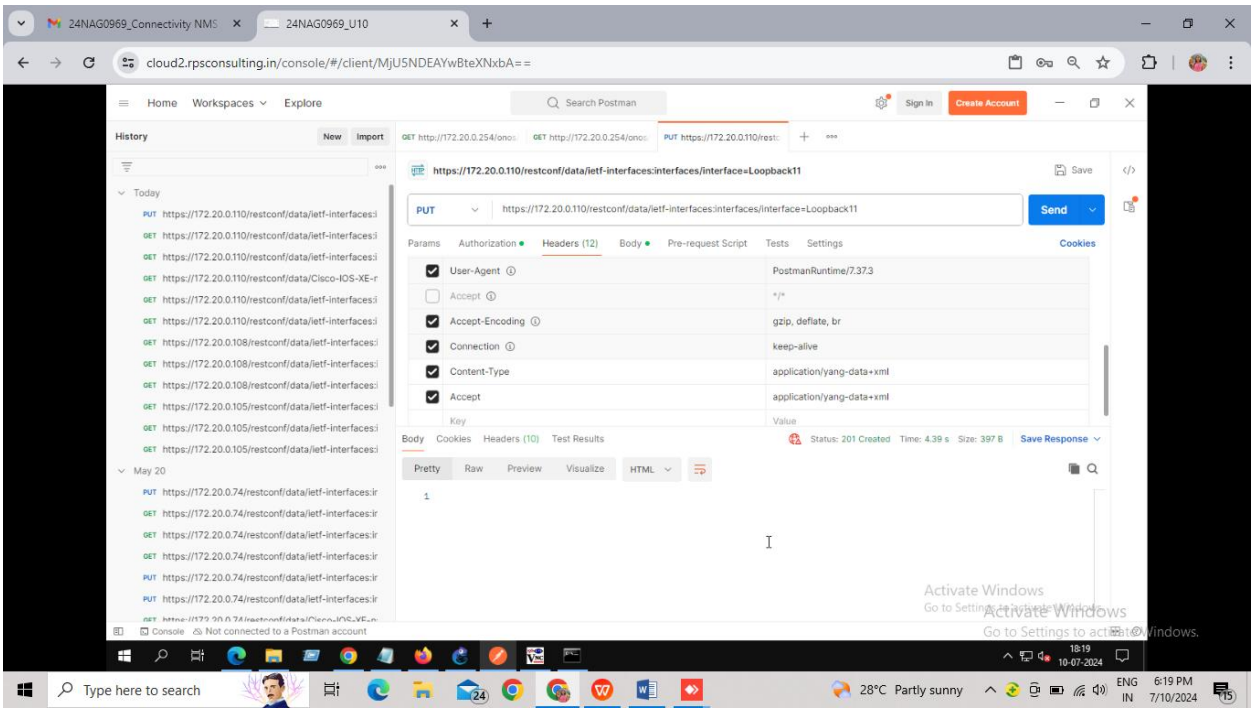

24NAG0969_Connectivity NMS
24NAG0969_U10
cloud2.rpsconsulting.in/console/#/client/MjU5NDEAYwBteXNxbA==
Home
Workspaces
Explore
Search Postman
Sign In
Create Account
History
New
Import
https://172.20.0.110/restconf/data/ietf-interfaces:interfaces/interface=GigabitEthernet2
GET
https://172.20.0.110/restconf/data/ietf-interfaces:interfaces/interface=GigabitEthernet2
Send
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
Cookies
Query Params
Key
Value
Bulk Edit
Body
Cookies
Headers (7)
Test Results
Status: 200 OK
Time: 841 ms
Size: 752 B
Save Response
Pretty
Raw
Preview
Visualize
XML
<interface xmlns="urn:ietf:params:xml:ns:yang:ietf-interfaces"
xmlns:if="urn:ietf:params:xml:ns:yang:ietf-interfaces">
<name>GigabitEthernet2</name>
<type xmlns:ianaift="urn:ietf:params:xml:ns:yang:iana-if-type">ianaift:ethernetCsmacd</type>
<enabled>true</enabled>
<ipv4 xmlns="urn:ietf:params:xml:ns:yang:ietf-ip">
<address>
<ip>10.0.0.1</ip>
<netmask>255.0.0.0</netmask>
</address>
</ipv4>
Activate Windows
Go to Settings to activate Windows.
Console
Not connected to a Postman account
Type here to search
28°C Light rain
ENG
IN
6:04 PM
7/10/2024

Get Config

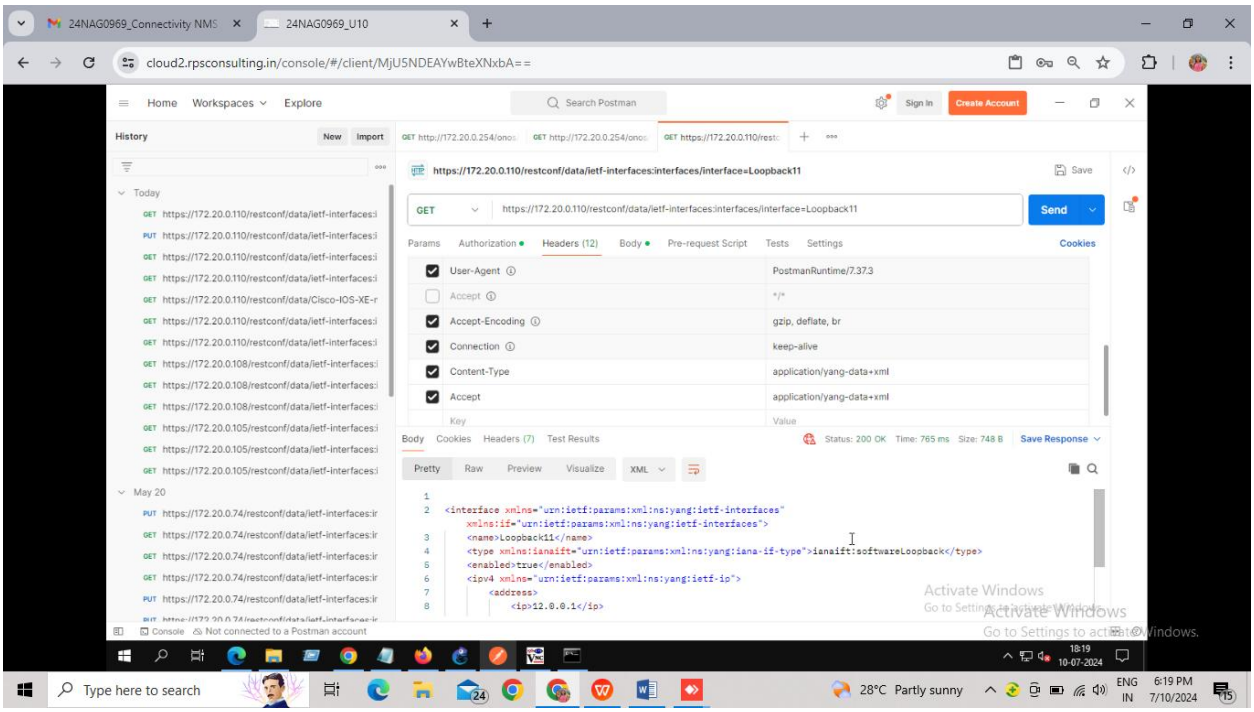

24NAG0969_Connectivity NMS
24NAG0969_U10
cloud2.rpsconsulting.in/console/#/client/MjU5NDEAYwBteXNxbA==
Home
Workspaces
Explore
Search Postman
Sign In
Create Account
History
New
Import
https://172.20.0.110/restconf/data/Cisco-IOS-XE-native:native/
GET
https://172.20.0.110/restconf/data/Cisco-IOS-XE-native:native/
Send
Params
Authorization
Headers (8)
Body
Pre-request Script
Tests
Settings
Cookies
Query Params
Key
Value
Bulk Edit
Body
Cookies
Headers (7)
Test Results
Status: 200 OK
Time: 11.05 s
Size: 5.2 KB
Save Response
Pretty
Raw
Preview
Visualize
XML
<native xmlns="http://cisco.com/ns/yang/Cisco-IOS-XE-native" xmlns:ios="http://cisco.com/ns/yang/
Cisco-IOS-XE-native">
<version>16.12</version>
<boot-start-marker/>
<boot-end-marker/>
<memory>
<free>
<low-watermark>
<processor>72291</processor>
</low-watermark>
</free>
Activate Windows
Go to Settings to activate Windows.
Console
Not connected to a Postman account
Type here to search
28°C Light rain
ENG
IN
6:06 PM
7/10/2024

Create the new Loopback interface on router via CLI

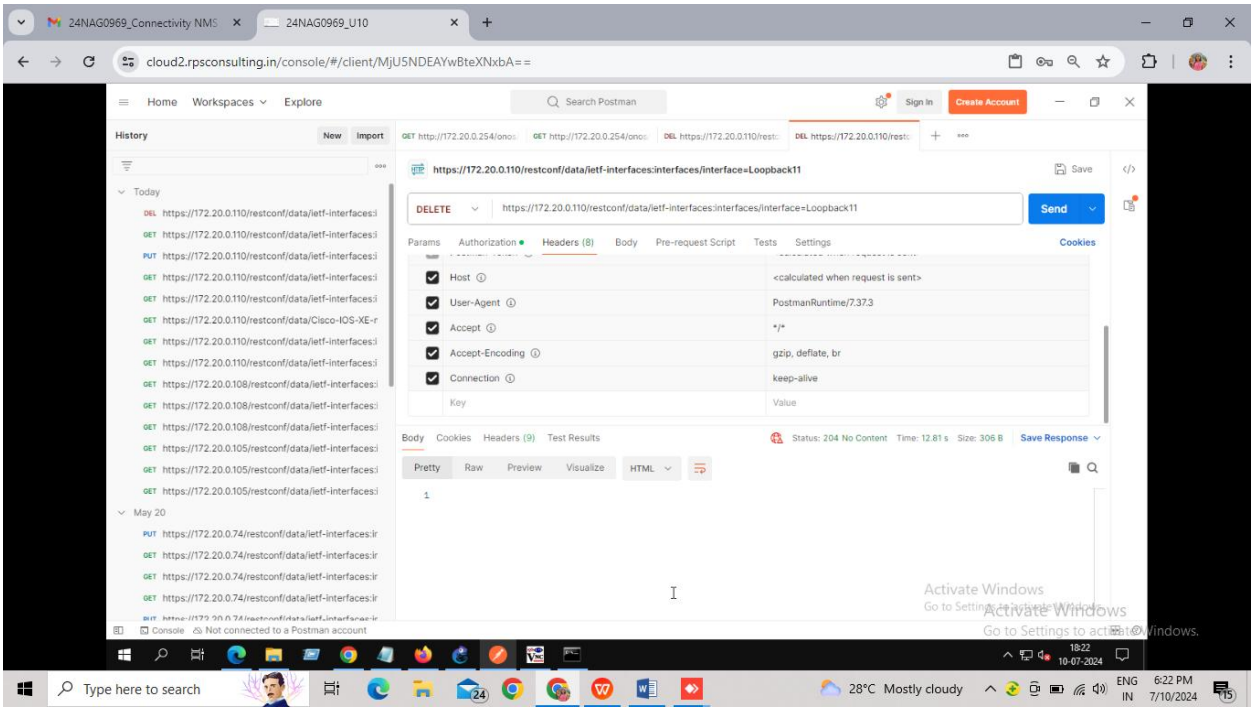




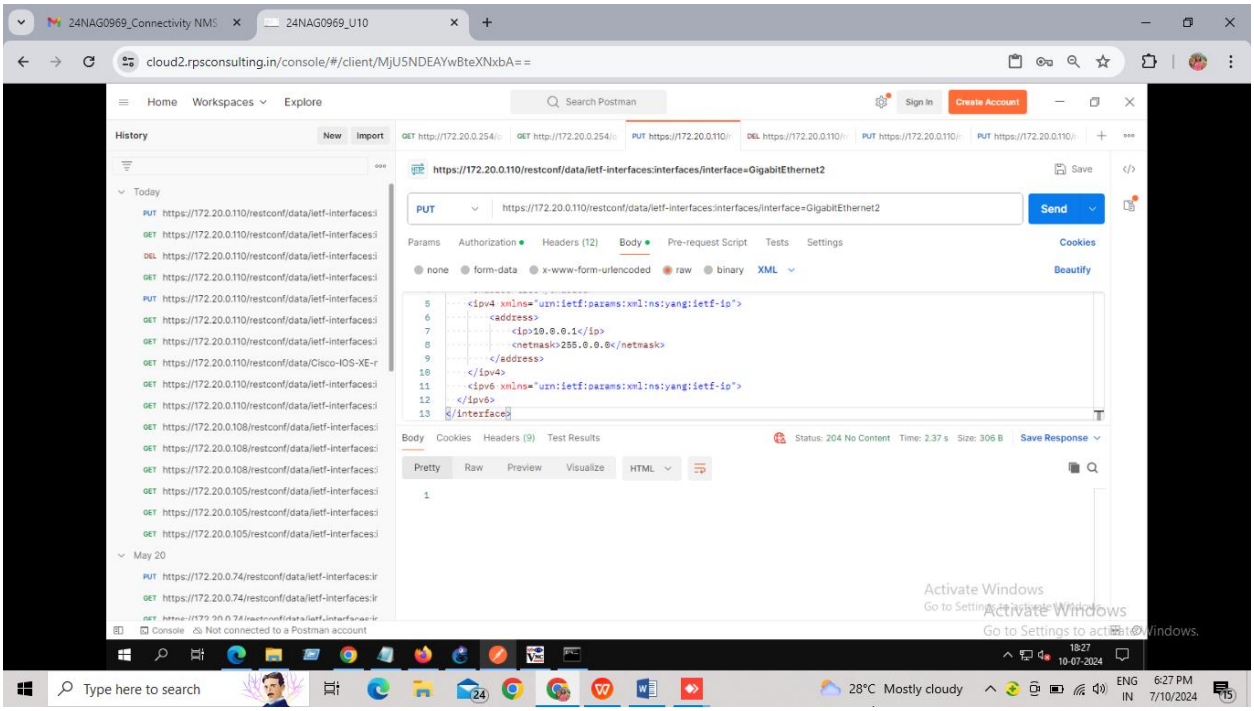
Example : Create the Loopback interface via Postman



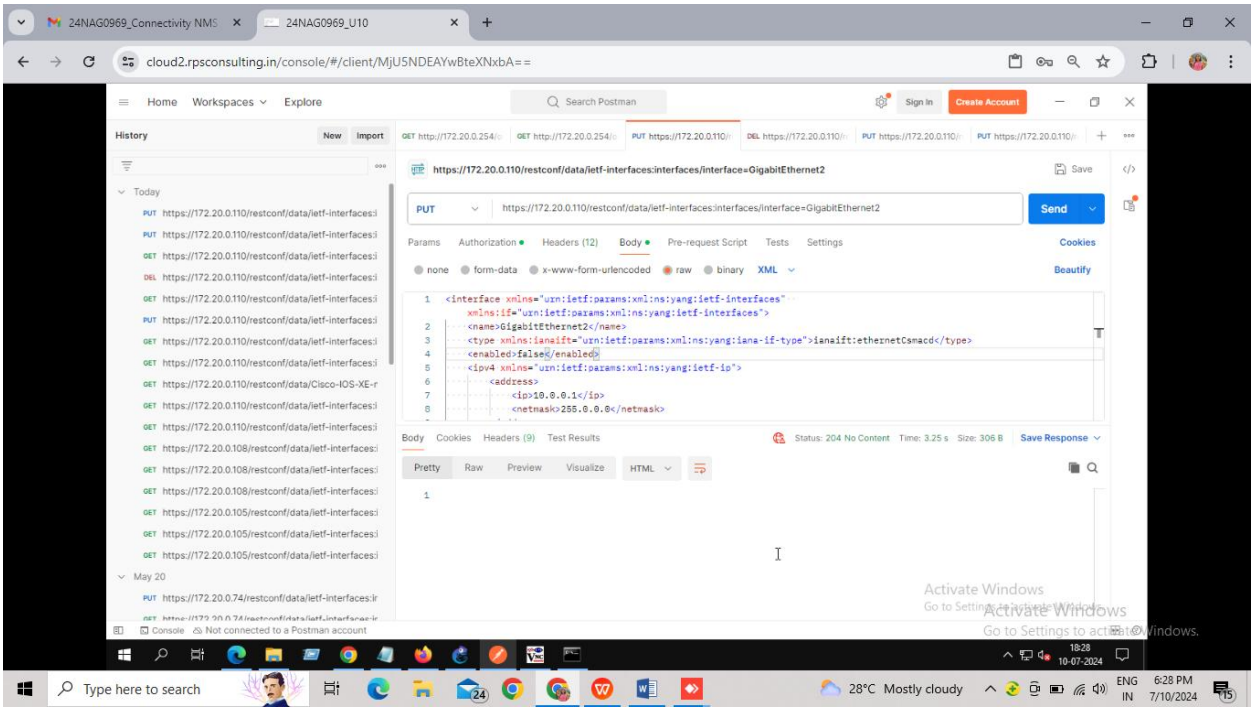
Delete the Loopback interface



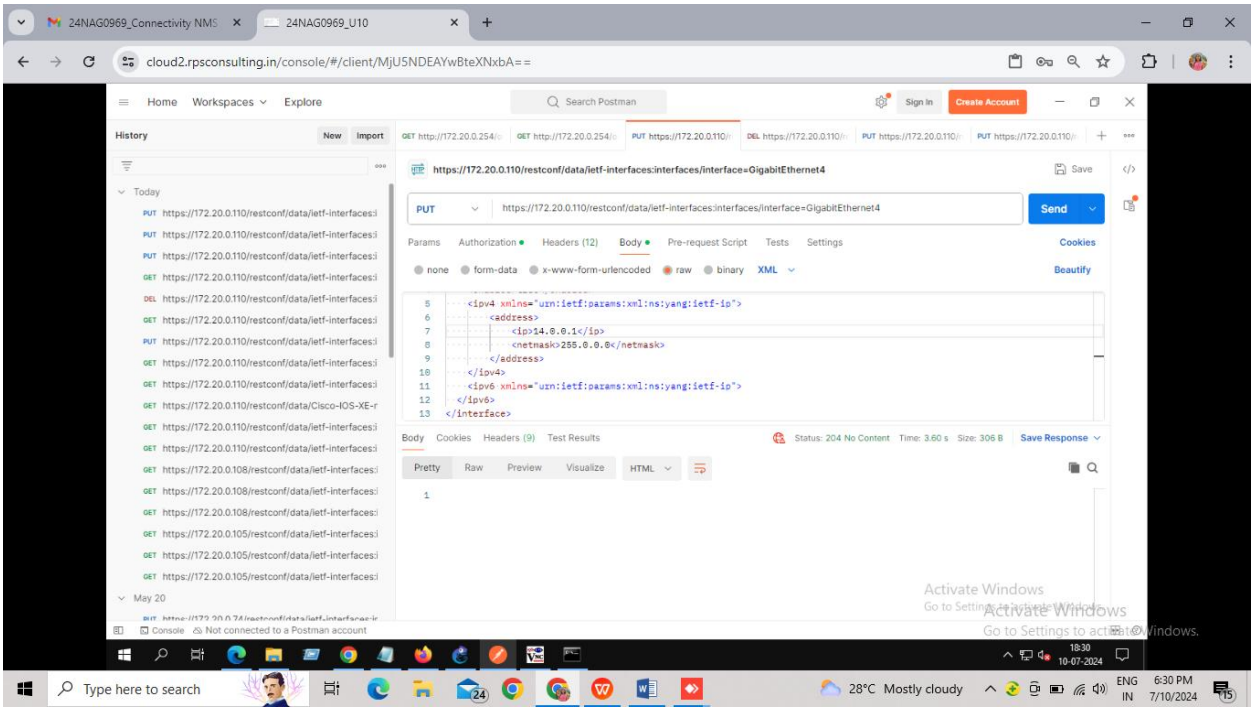
Change the Interface status to UP for GigabitEthernet2 interface



Change the Interface status to down for GigabitEthernet2 interface



Assign the interface IP address



Remove the Interface IP address