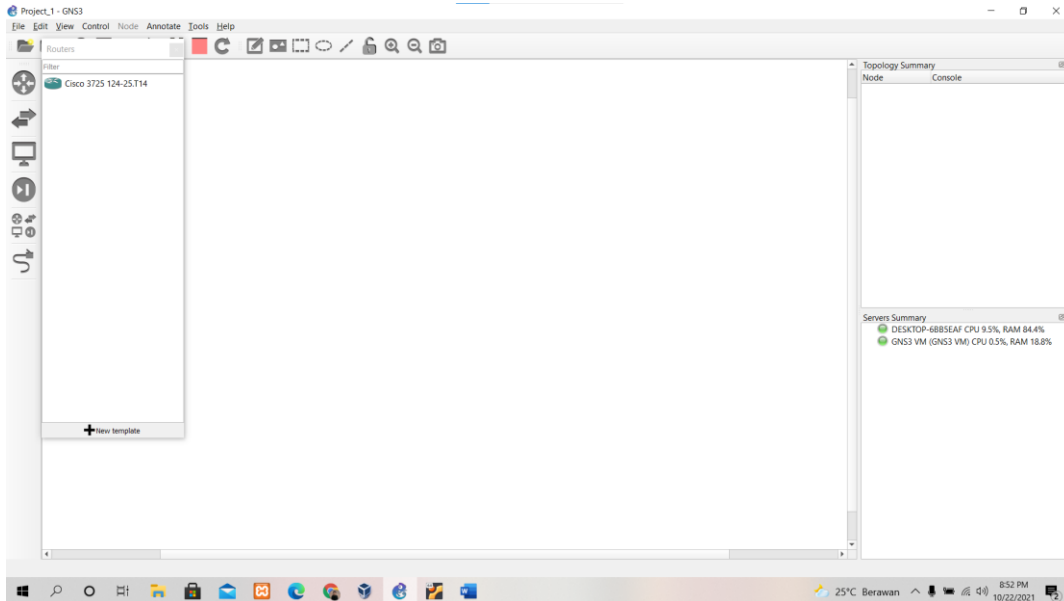


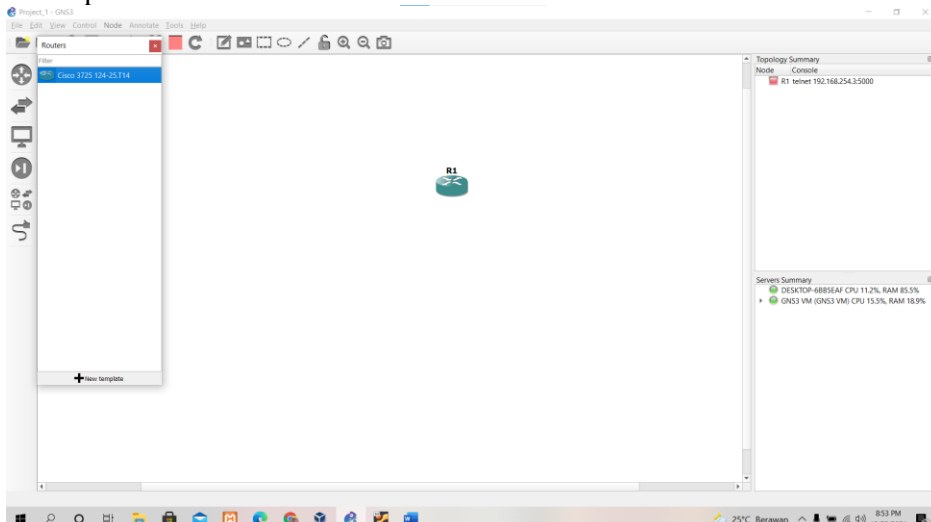
Nama : Timothy Agalliasis
NIM : 191402084
Matkul : Administrasi dan Desain Jaringan
Kelas : KOM-A

GNS 3

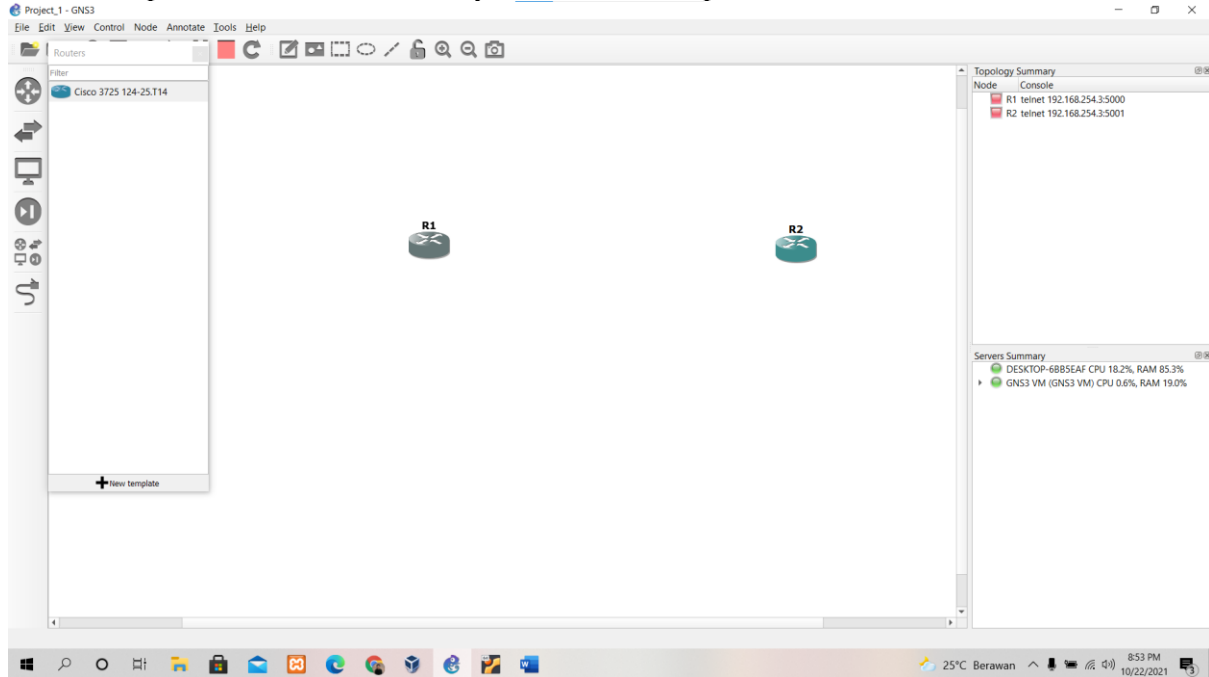
1. Untuk membuat topologi GNS3 baru, pilih sekelompok perangkat di Devices Toolbar dengan mengklik tombol Browse Routers. Router yang tersedia akan tergantung pada konfigurasi GNS3 Anda. Dalam contoh ini tersedia router lokal dan router VM GNS3



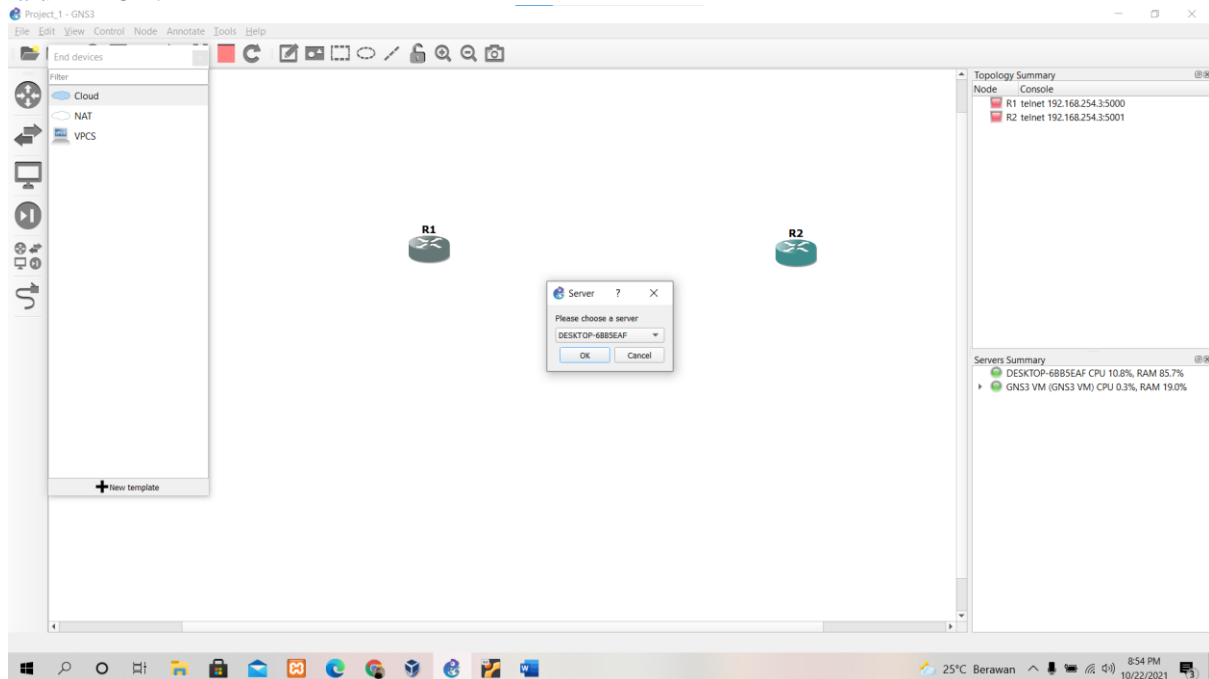
2. Seret dan lepas router lokal ke GNS3 Workspace. Sebuah instance dari node menjadi tersedia di Workspace



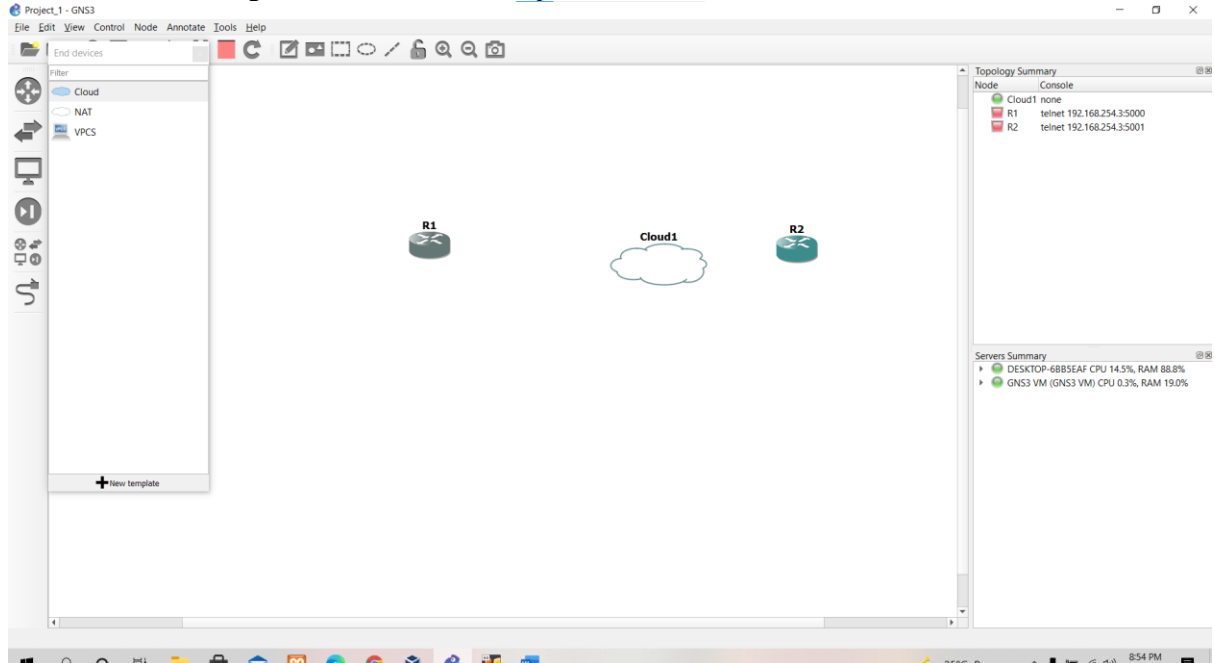
3. Seret dan lepas router server lokal lainnya ke GNS3 Workspace



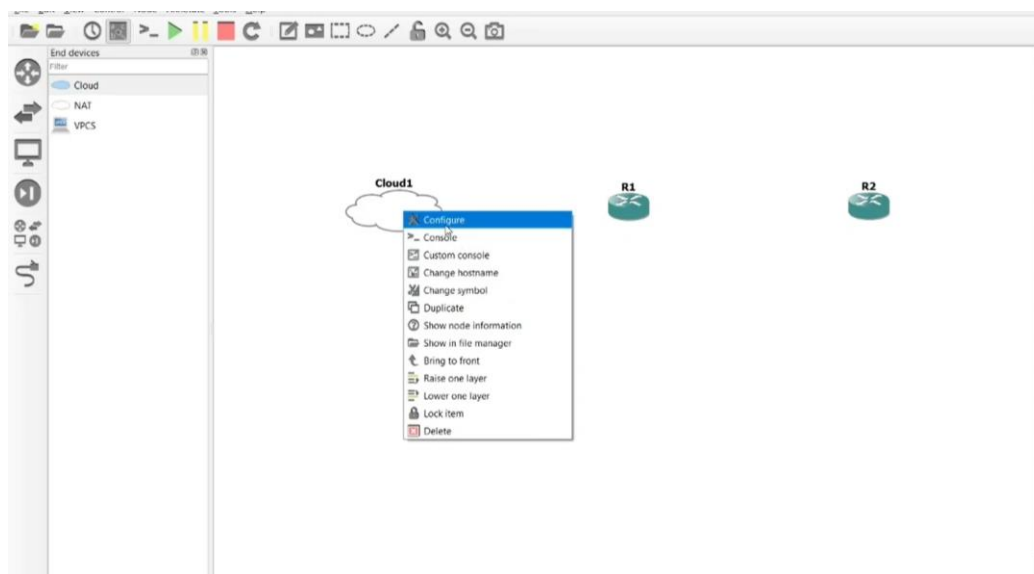
4. Klik tombol browse end device. Lalu seret dan lepas node Cloud ke Workspace, pilih server lokal, lalu klik OK.



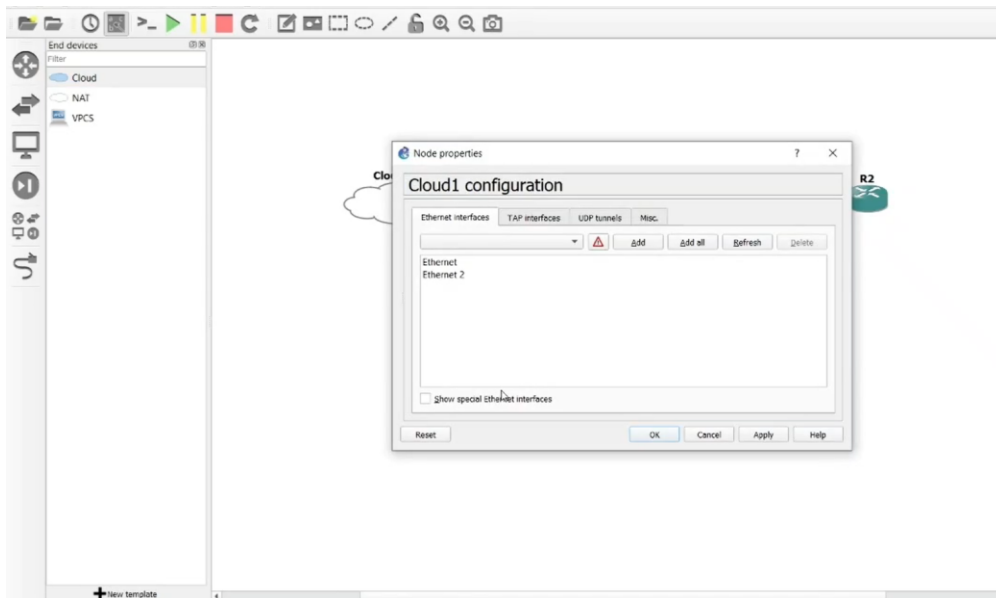
5. Node Cloud sekarang akan muncul di Workspace



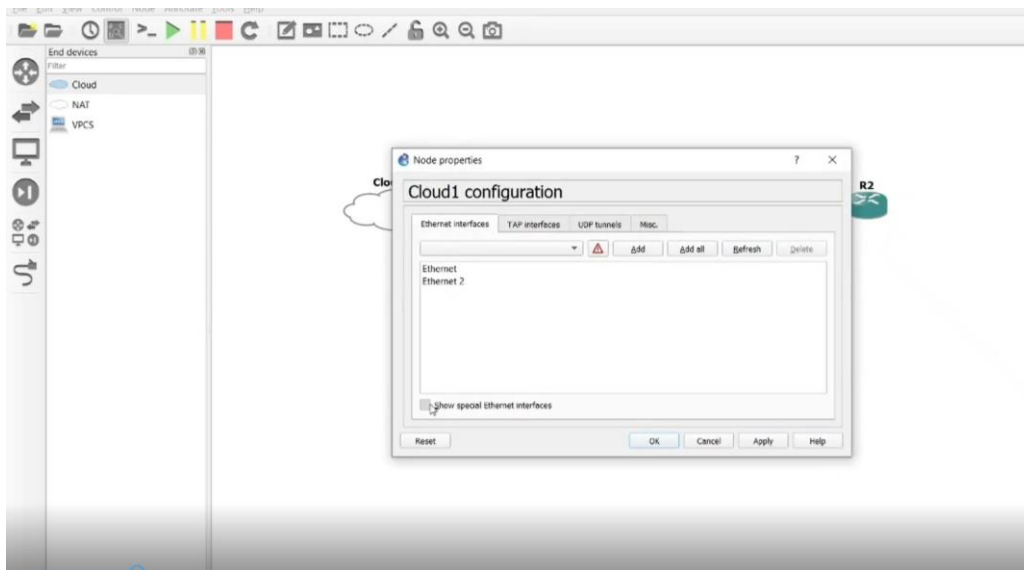
6. Klik tombol Perangkat Toolbar lagi untuk menutup grup. Lalu, Klik kanan pada Cloud dan kemudian klik Configure.



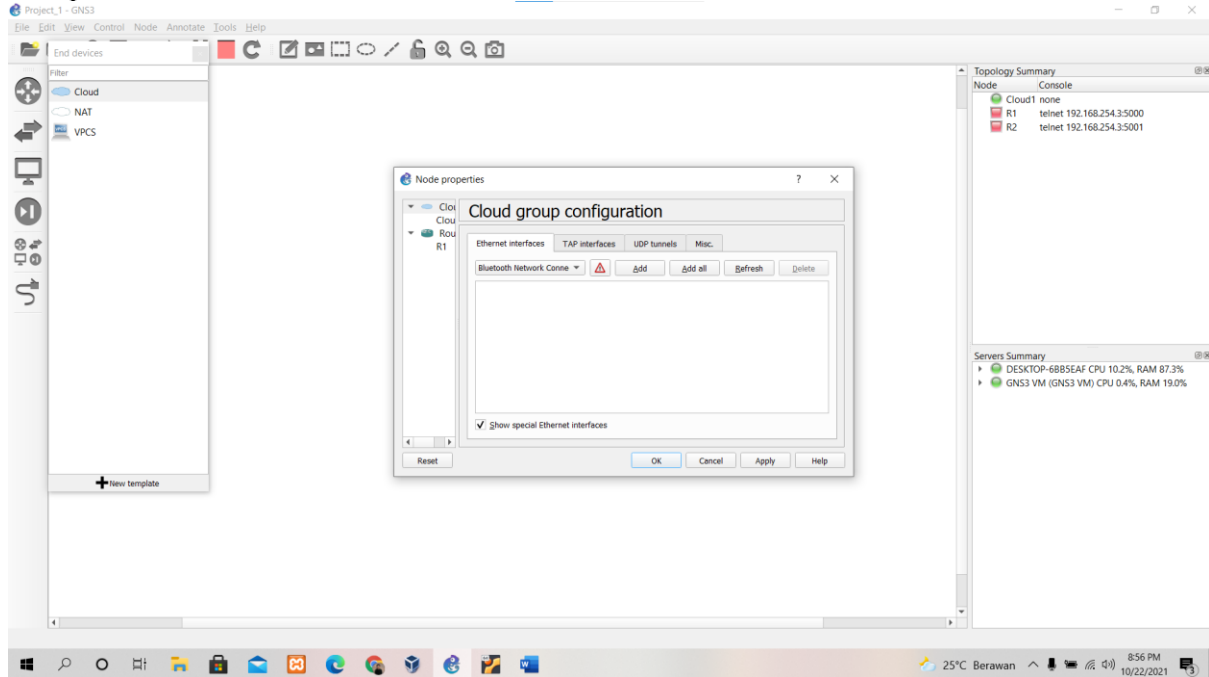
7. Daftar antarmuka Ethernet yang tersedia terdaftar:



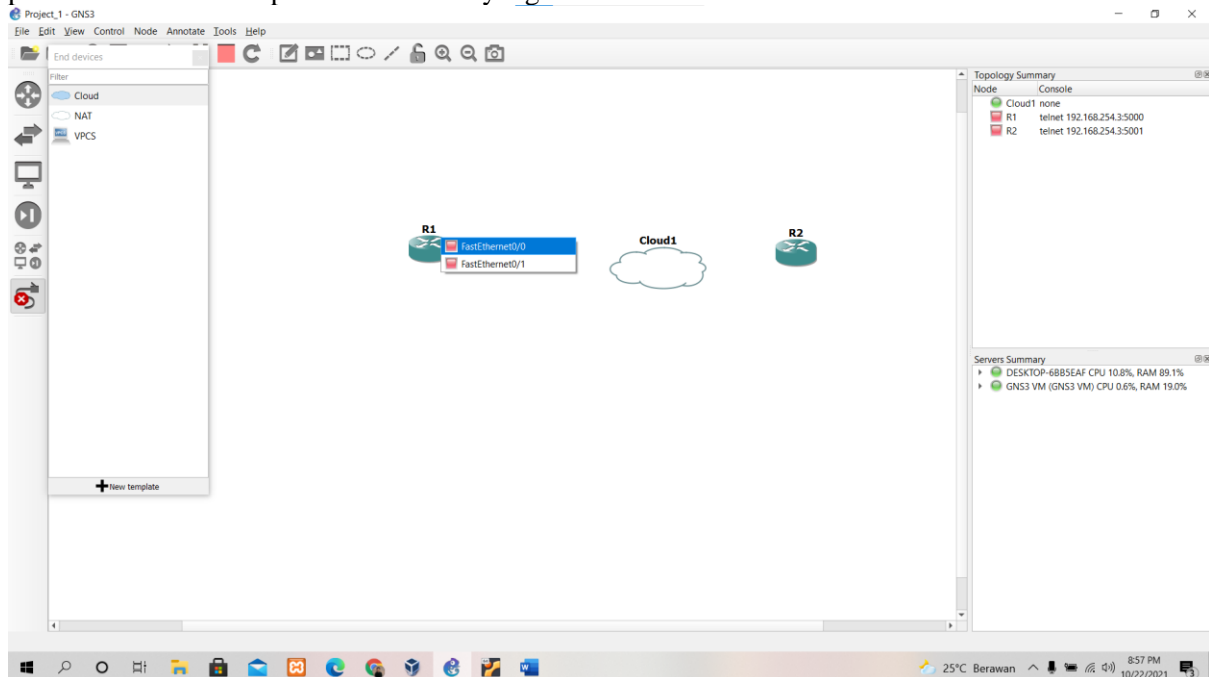
8. Lalu centangi "show special ethernet interfaces"



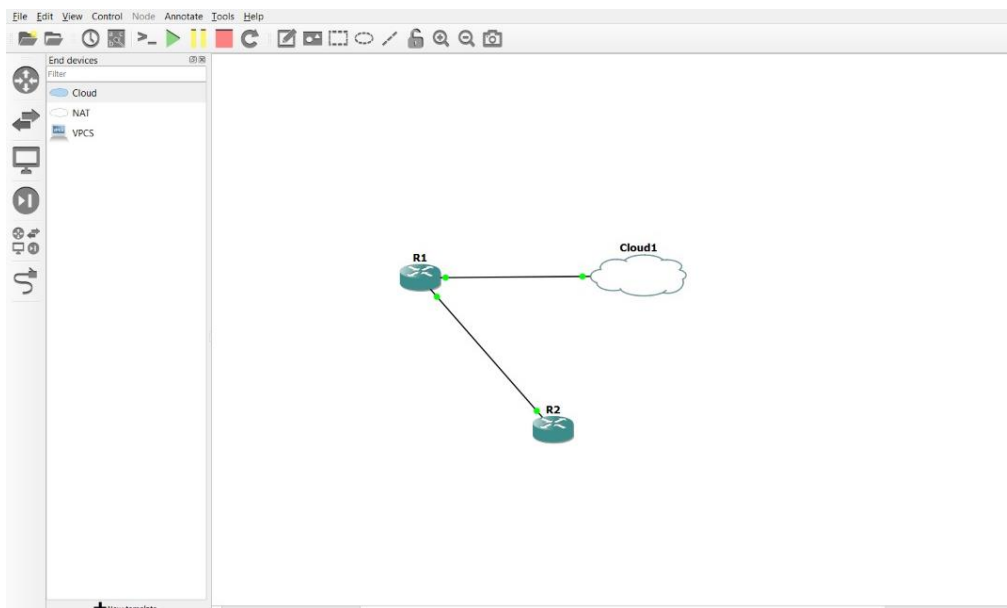
9. Lalu pilih “Bluetooth Network Connection”



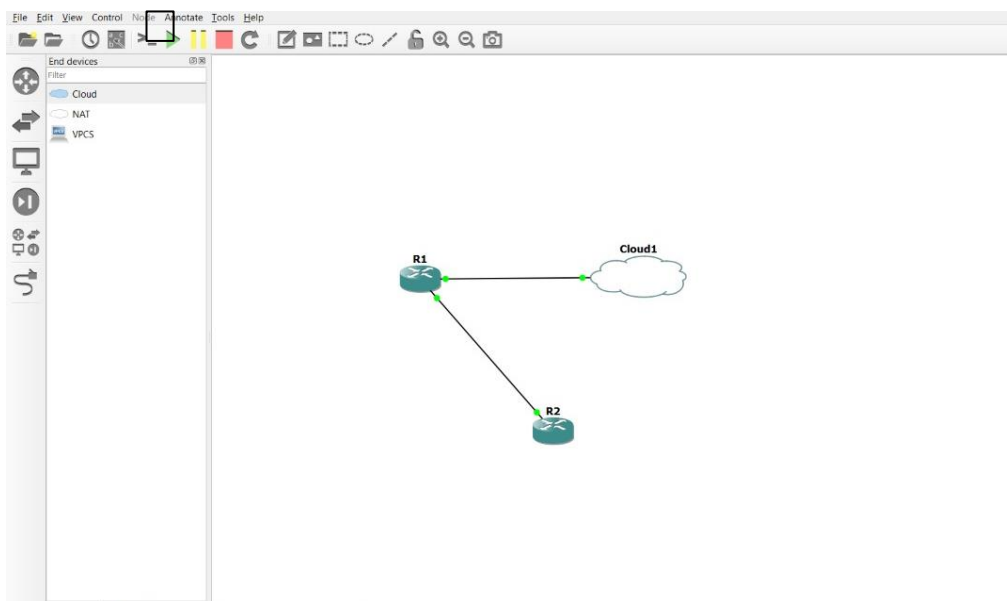
10. Klik tombol “Add a Link” untuk mulai menambahkan link ke topologi Anda. Kursor mouse akan berubah untuk menunjukkan bahwa tautan dapat ditambahkan. Lalu, klik pada topologi router pertama untuk menampilkan antarmuka yang tersedia.



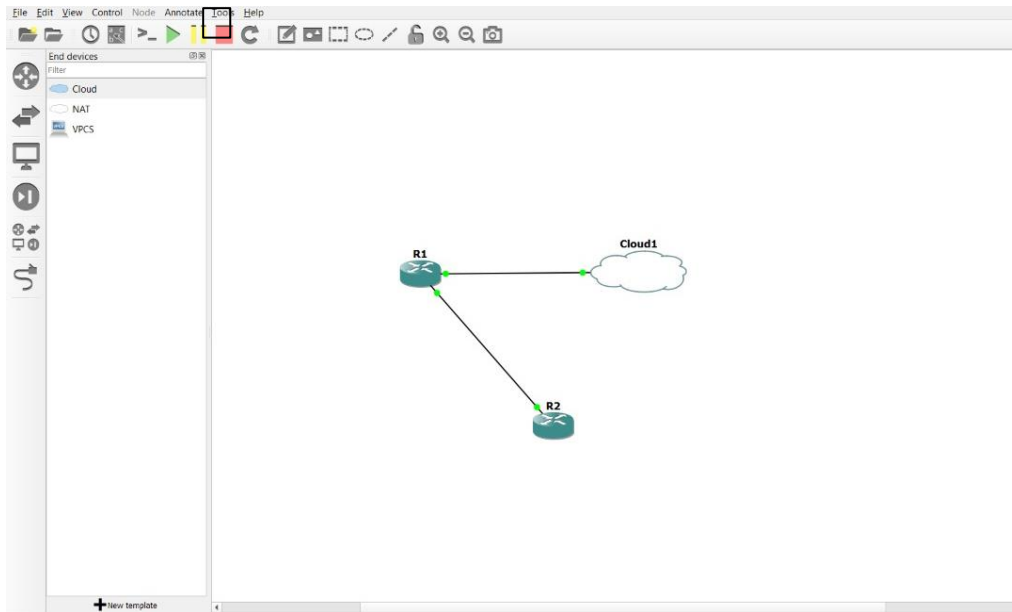
11. Pilih antarmuka di Cloud untuk menyelesaikan koneksi. Dalam contoh ini, Ethernet di Cloud 1 dipilih. tautan lain antara R2 dan R1



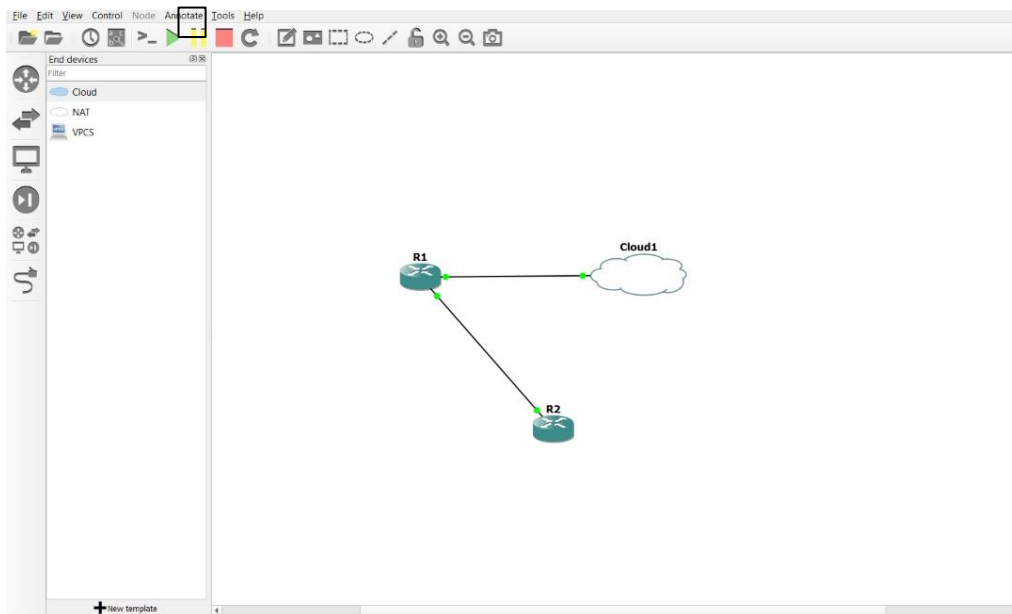
12. Klik tombol “Add a Link” atau klik kanan pada sembarang tempat untuk berhenti menambahkan tautan. Cursor mouse akan berubah kembali ke normal untuk menunjukkan bahwa Anda telah berhenti menambahkan tautan. Lalu, jika belum dilakukan, klik tombol Show/Hide interface labels pada GNS3 Toolbar untuk menampilkan label interface pada topologi Anda.



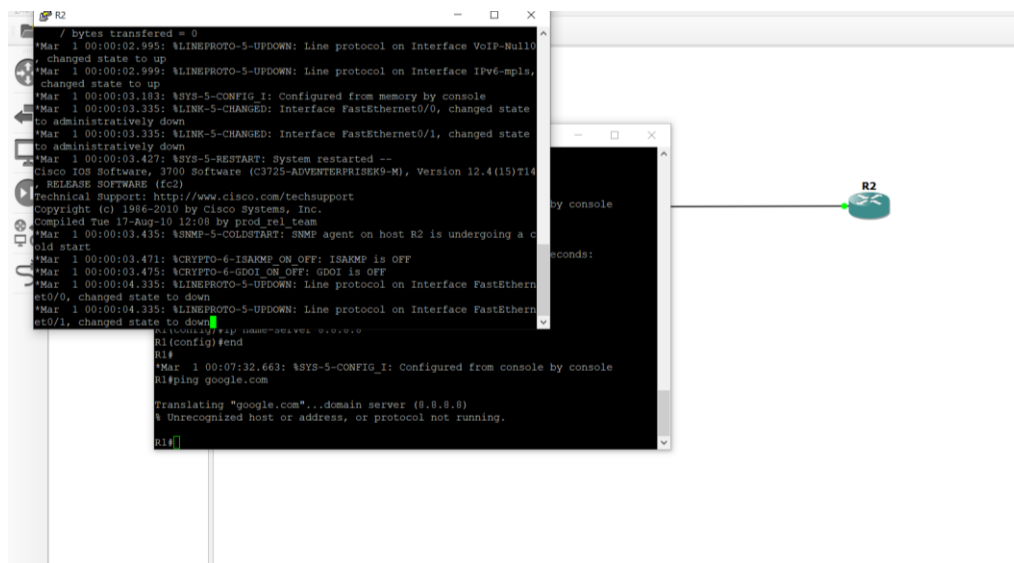
13. Anda sekarang siap untuk menyalakan perangkat jaringan Anda. Klik tombol Start/Resume pada GNS3 Toolbar untuk memulai perangkat jaringan Anda.



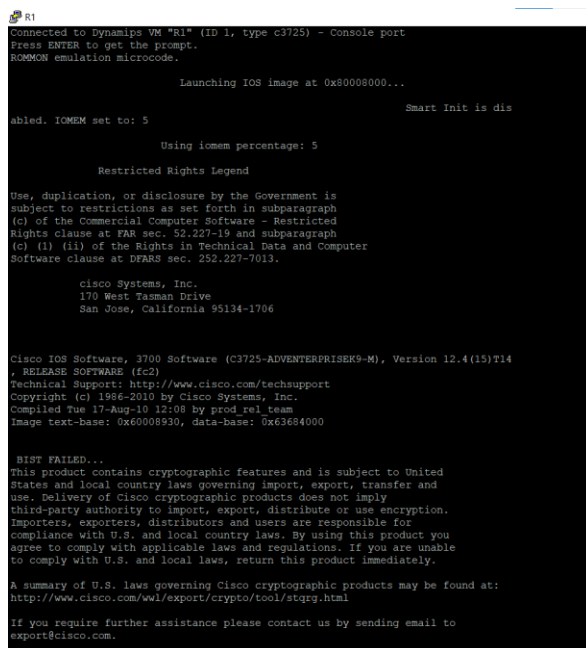
14. Anda sekarang siap untuk mengonfigurasi perangkat Anda. Klik tombol Console sambungkan ke semua perangkat di Toolbar untuk membuka koneksi ke setiap perangkat di topologi



15. Koneksi konsol dibuka ke setiap router di topologi



16. Ikuti segala tahap dan query di topologi untuk setiap router hingga hasilnya sukses.



R1

<http://www.cisco.com/ww1/export/crypto/tool/stqrg.html>

If you require further assistance please contact us by sending email to
export@cisco.com.

Cisco 3725 (R7000) processor (revision 0.1) with 124928K/6144K bytes of memory.
Processor board ID FTX0945W0MY
R7000 CPU at 240MHz, Implementation 39, Rev 2.1, 256KB L2, 512KB L3 Cache
2 FastEthernet interfaces
DRAM configuration is 64 bits wide with parity enabled.
55K bytes of NVRAM.
Installed image archive

SETUP: new interface FastEthernet0/0 placed in "shutdown" state
SETUP: new interface FastEthernet0/1 placed in "shutdown" state
% Crashinfo may not be recovered at flash:crashinfo
% This file system device reports an error

Press RETURN to get started!

```
*Mar 1 00:00:02.899: %SW_VLAN-4-IFS_FAILURE: VLAN manager encountered file oper
ation error: call = ifs_open/read / code = 3588 (No device available)
/ bytes transferred = 0
*Mar 1 00:00:02.915: %LINEPROTO-5-UPDOWN: Line protocol on Interface VoIP-Null0
, changed state to up
*Mar 1 00:00:02.919: %LINEPROTO-5-UPDOWN: Line protocol on Interface IPv6-mp1s,
changed state to up
*Mar 1 00:00:03.087: %SYS-5-CONFIG_I: Configured from memory by console
*Mar 1 00:00:03.243: %LINK-5-CHANGED: Interface FastEthernet0/0, changed state
to administratively down
*Mar 1 00:00:03.243: %LINK-5-CHANGED: Interface FastEthernet0/1, changed state
to administratively down
*Mar 1 00:00:03.243: %SYS-5-RESTART: System restarted --
Cisco IOS Software, 3700 Software (C3725-ADVENTERPRISEK9-M), Version 12.4(15)T14
, RELEASE SOFTWARE (fc2)
Technical Support: http://www.cisco.com/techsupport
Copyright (c) 1986-2010 by Cisco Systems, Inc.
Compiled Tue 17-Aug-10 12:08 by prod-rel-team
*Mar 1 00:00:03.327: %SNMP-5-COLDSTART: SNMP agent on host R1 is undergoing a c
old start
*Mar 1 00:00:03.371: %CRYPTO-6-ISAKMP_ON_OFF: ISAKMP is OFF
*Mar 1 00:00:03.371: %CRYPTO-6-GDOI_ON_OFF: GDOI is OFF
*Mar 1 00:00:04.243: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
et0/0, changed state to down
*Mar 1 00:00:04.243: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
et0/1, changed state to down
R1#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
```

R1

```
*Mar 1 00:00:04.243: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
et0/1, changed state to down
R1#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#interface FastEthernet 0/0
R1(config-if)#no shutdown
R1(config-if)#
*Mar 1 00:01:45.987: %LINK-3-UPDOWN: Interface FastEthernet0/0, changed state t
o up
*Mar 1 00:01:46.987: %LINEPROTO-5-UPDOWN: Line protocol on Interface FastEthern
et0/0, changed state to up
R1(config-if)#ping 192.168.1.249
^
% Invalid input detected at '^' marker.
R1(config-if)#configure terminal
^
% Invalid input detected at '^' marker.
R1(config-if)#end
R1#
*Mar 1 00:03:23.199: %SYS-5-CONFIG_I: Configured from console by console
R1#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
R1(config)#interface FastEthernet 0/0
R1(config-if)#ip address 192.168.1.123 255.255.255.0
R1(config-if)#no shutdown
R1(config-if)#exit
R1(config)#ip route 0.0.0.0 0.0.0.0 192.168.1.249
^
% Invalid input detected at '^' marker.
R1(config)#end
R1#
*Mar 1 00:06:00.959: %SYS-5-CONFIG_I: Configured from console by console
R1#ping 192.168.1.249

Type escape sequence to abort.
Sending 5, 100-byte ICMP Echos to 192.168.1.249, timeout is 2 seconds:
.....
Success rate is 0 percent (0/5)
```