

Nama : Vincent Sirait

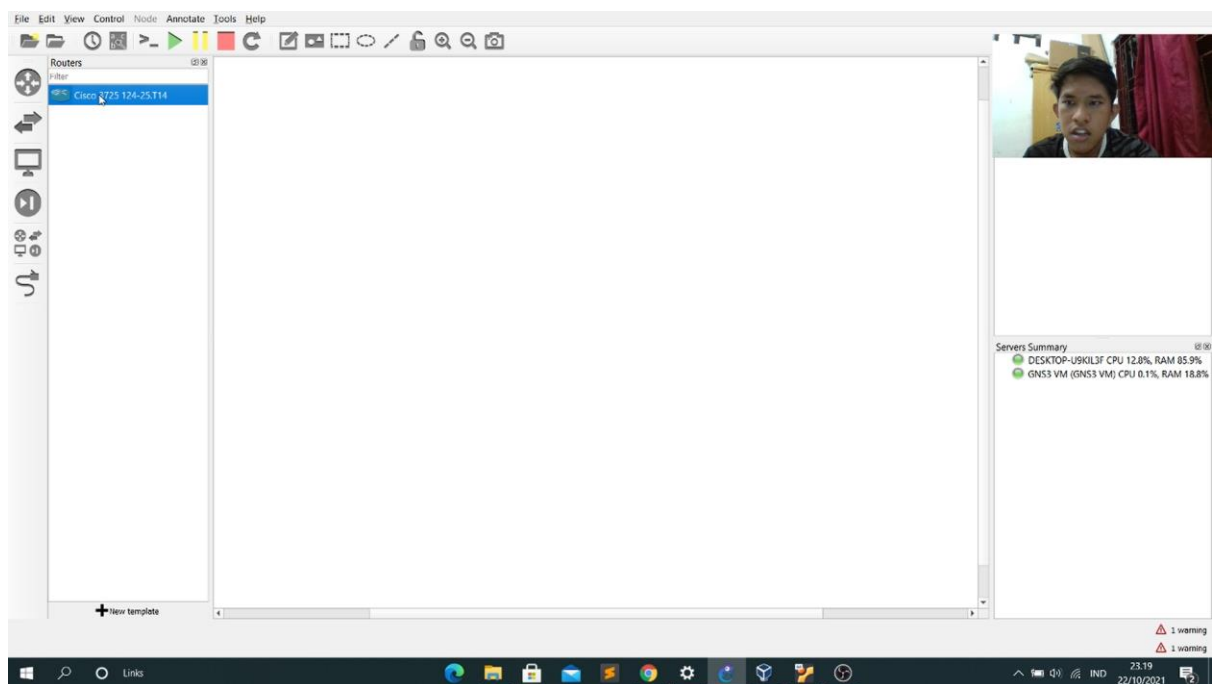
NIM : 191402081

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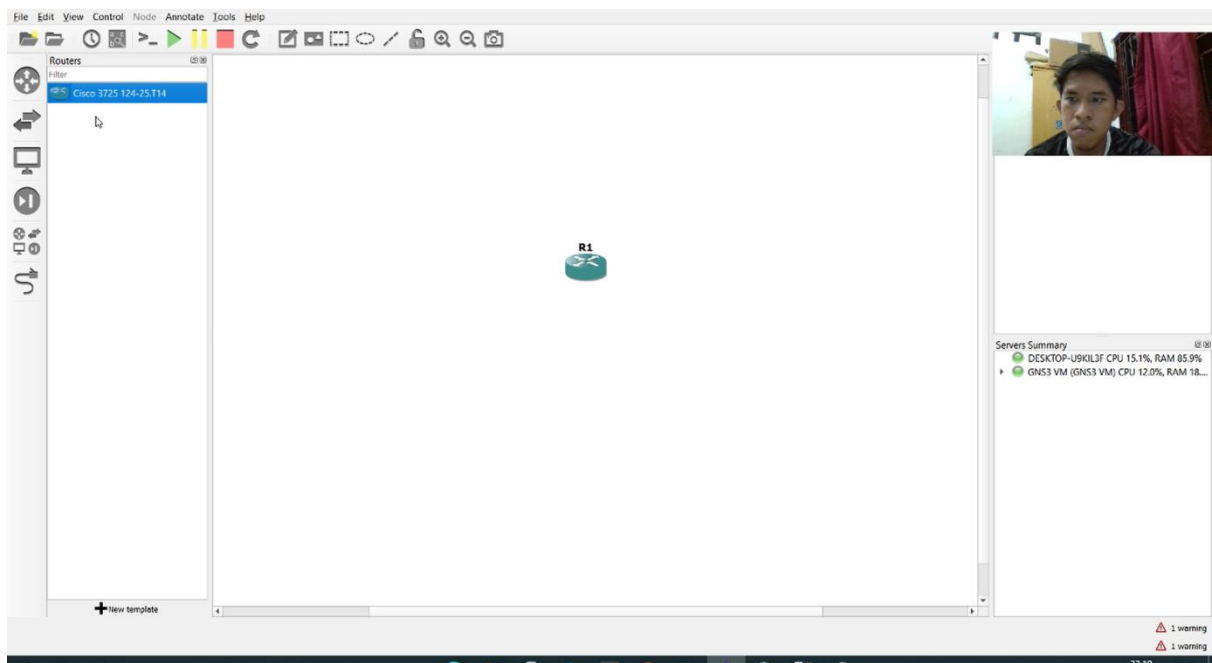
Mata Kuliah : Administrasi dan Desain Jaringan

Laporan UTS Tentang GNS3

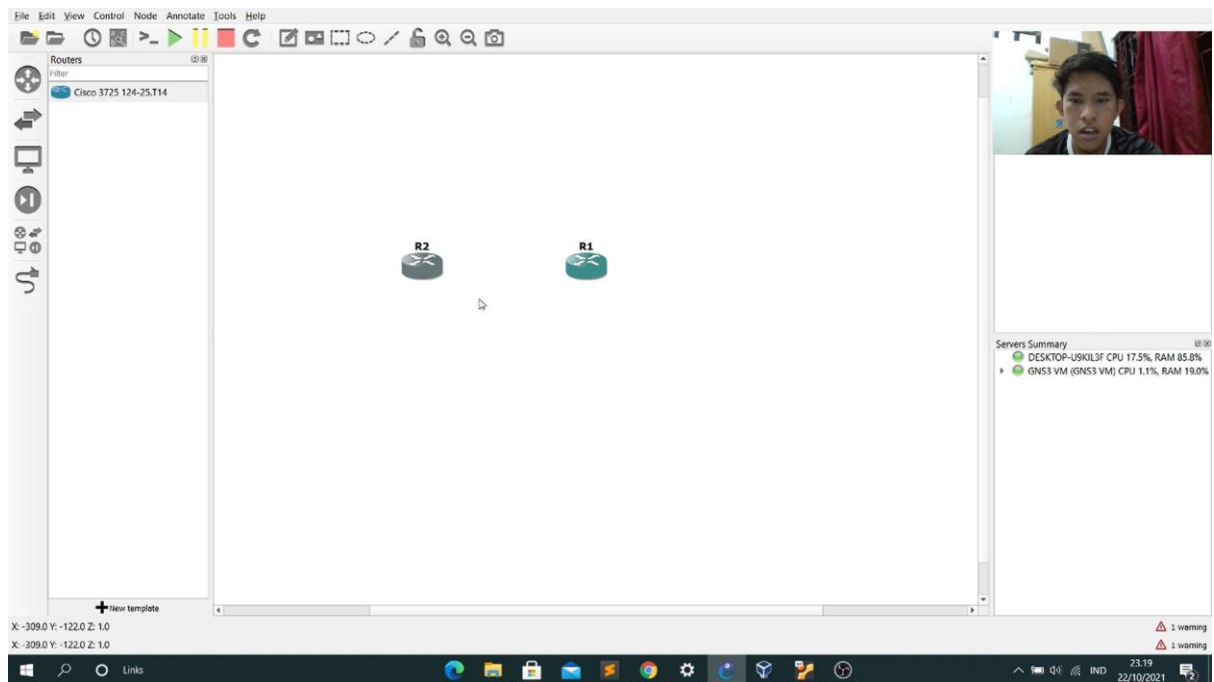
1. Untuk membuat topologi GNS3 baru, pilih sekelompok perangkat di Devices Toolbar dengan mengklik tombol Browse Routers. Router yang tersedia akan tergantung pada konfigurasi GNS3 Anda. Dalam contoh ini tersedia router lokal dan router VM GNS3



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

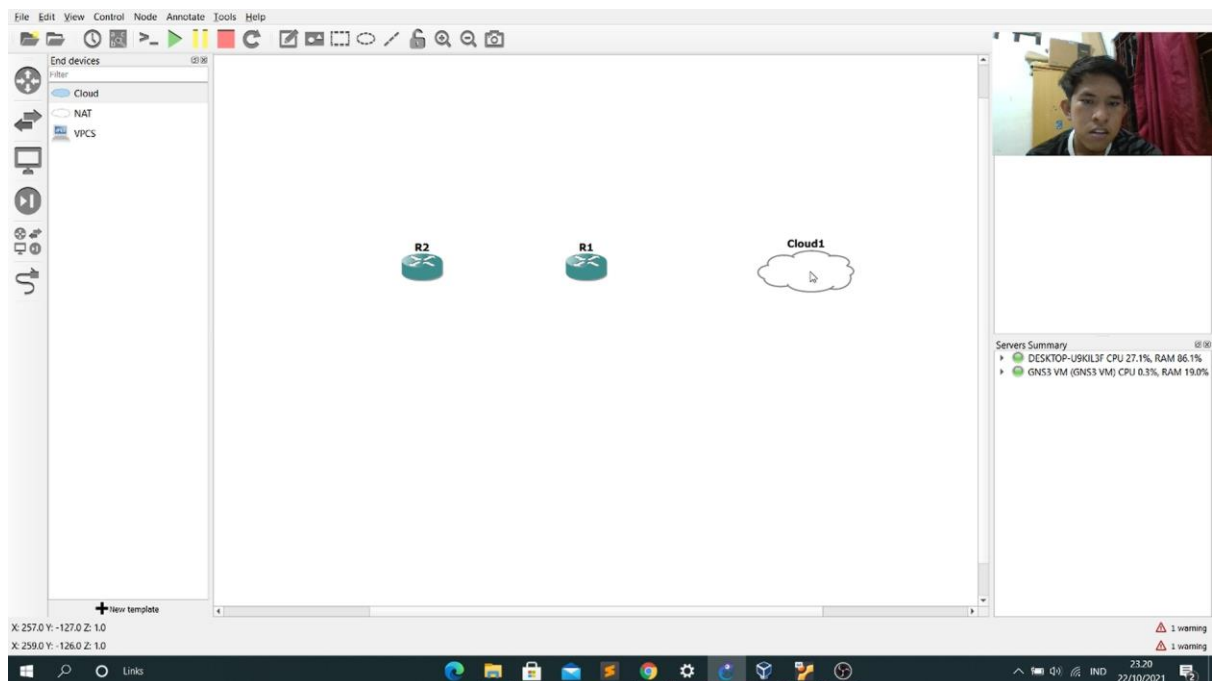


3. Seret dan lepas router server lokal lainnya ke GNS3 Workspace



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

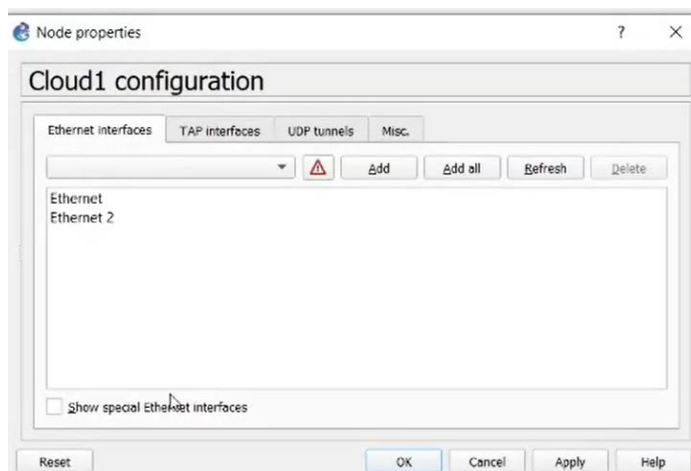
5. Node Cloud sekarang akan muncul di Workspace



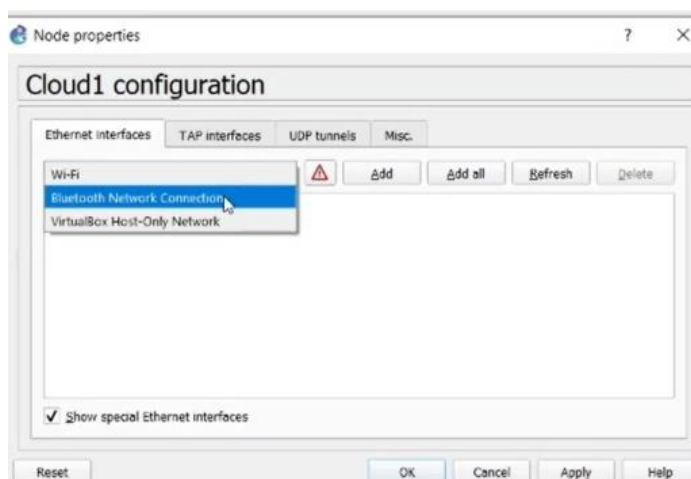
6. Klik tombol Perangkat Toolbar lagi untuk menutup grup. Lalu, Klik kanan pada Cloud dan kemudian klik Configure.



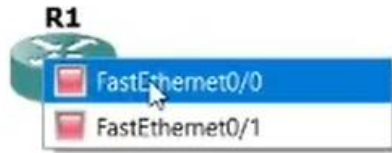
7. Daftar antarmuka Ethernet yang tersedia terdaftar:



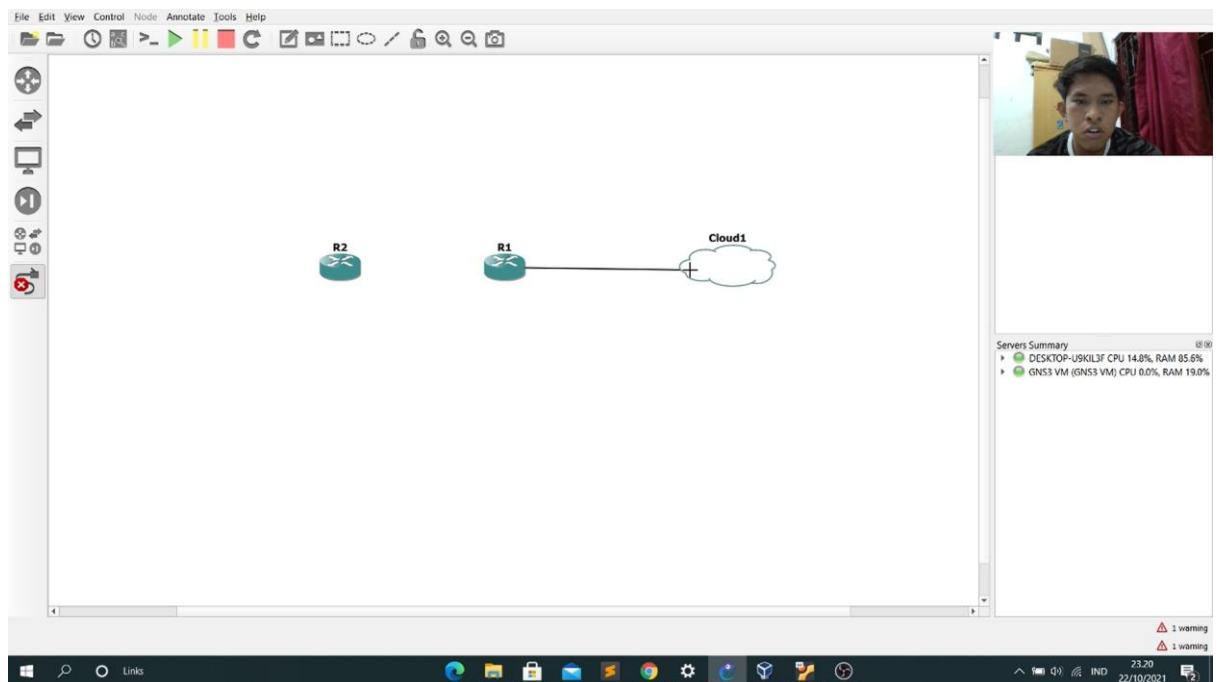
8. Lalu centangi "show special ethernet interfaces"



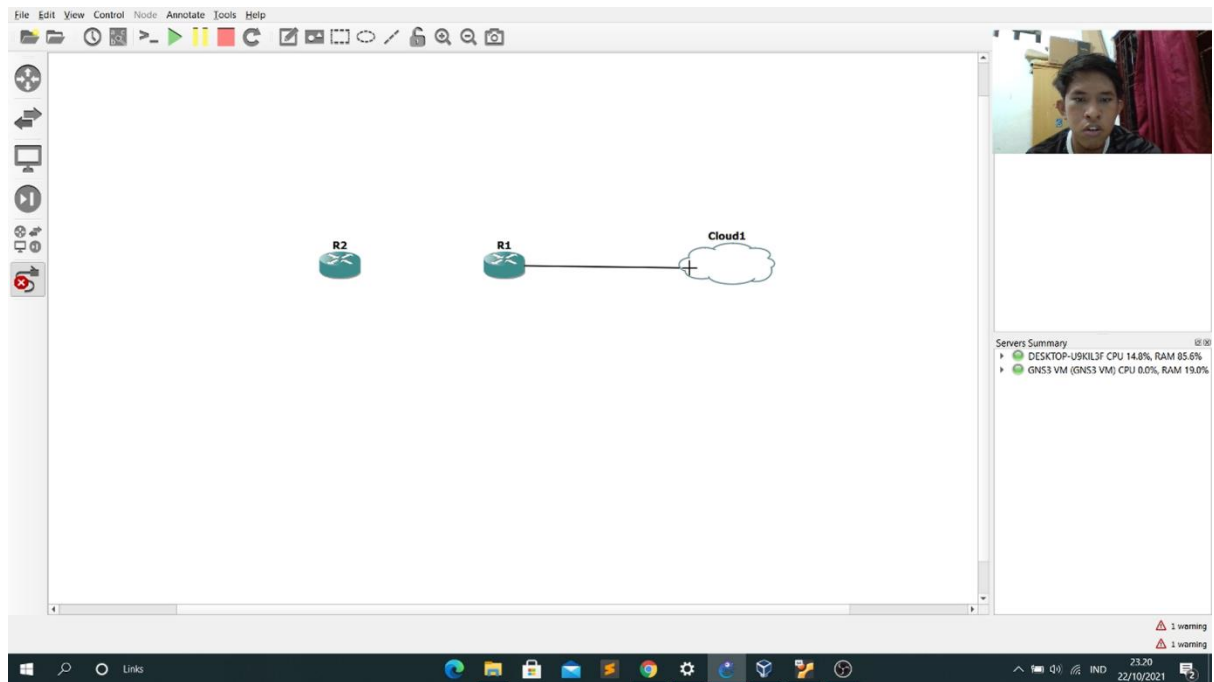
9. Klik tombol “Add a Link” untuk mulai menambahkan link ke topologi Anda. Cursor mouse akan berubah untuk menunjukkan bahwa tautan dapat ditambahkan. Lalu, klik pada topologi router pertama untuk menampilkan antarmuka yang tersedia



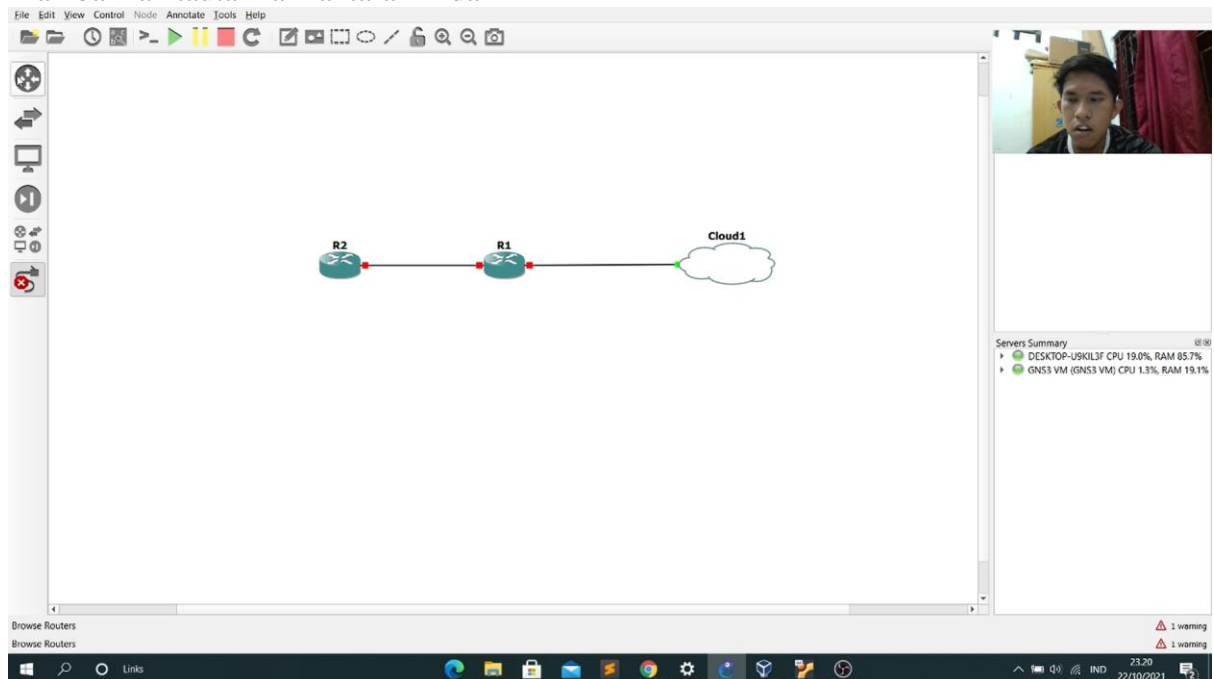
10. Klik antarmuka dan kemudian pilih cloud di topologi untuk menghubungkan antarmuka ke sana. Dalam contoh ini Ethernet 2 pada R1 dipilih. Selanjutnya, klik pada node Cloud, untuk melihat daftar antarmuka yang tersedia.



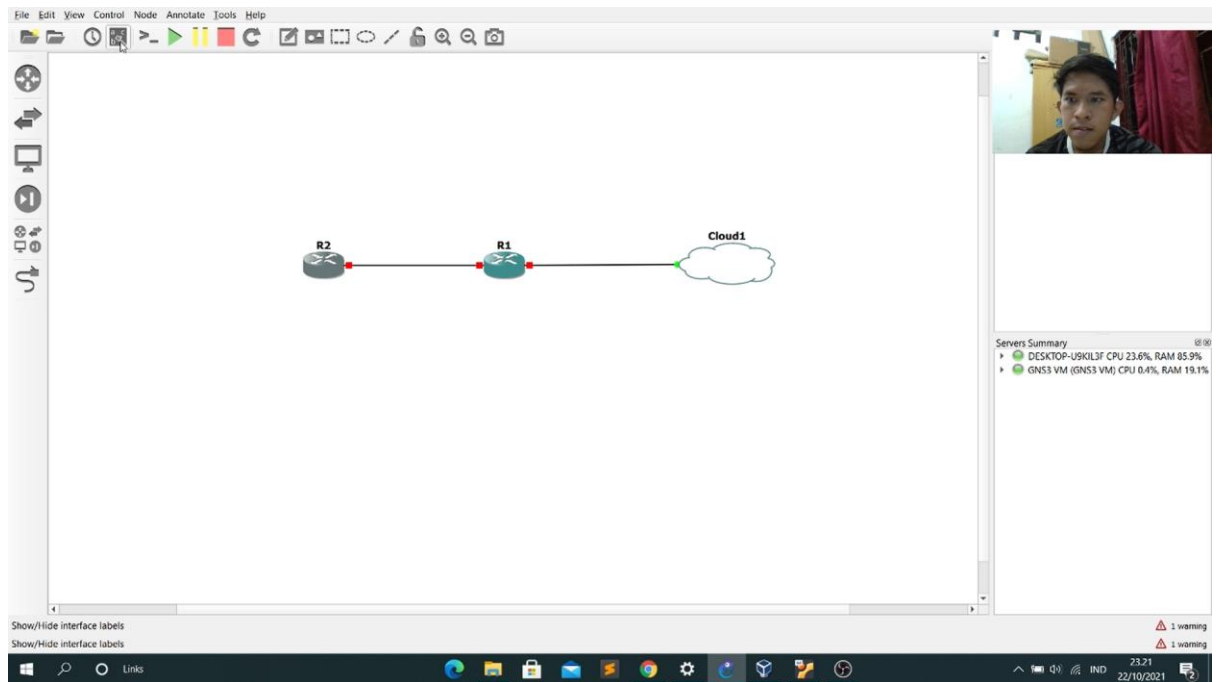
11. Pilih antarmuka di Cloud untuk menyelesaikan koneksi. Dalam contoh ini, Ethernet di Cloud 1 dipilih



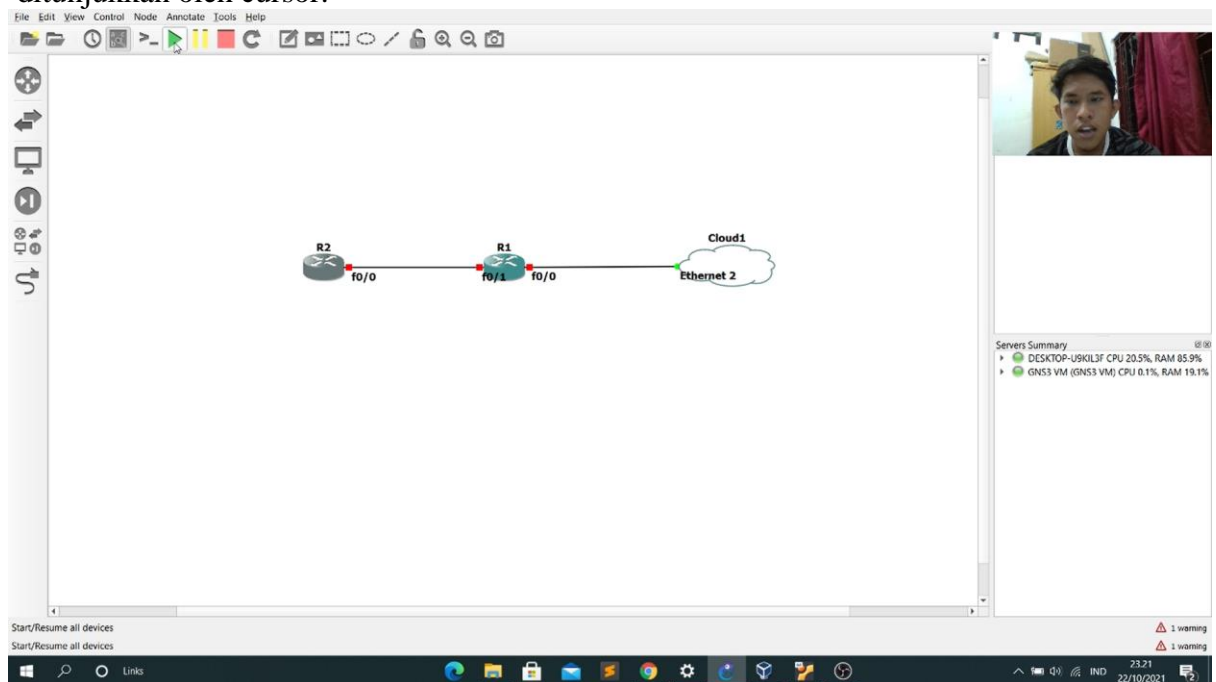
12. Tambahkan tautan lain antara R2 dan R1



13. Klik tombol “Add a Link” atau klik kanan pada sembarang tempat untuk berhenti menambahkan tautan. Kursor 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 seperti yg di tunjukkan cursor.



14. Anda sekarang siap untuk menyalakan perangkat jaringan Anda. Klik tombol Start/Resume pada GNS3 Toolbar untuk memulai perangkat jaringan Anda seperti yang ditunjukkan oleh cursor.



- FileEditViewControlNodeAnnotateToolsHelp

Servers Summary

- DESKTOP-USKUL3F CPU 37.4%, RAM 82.7%
 - GNS3 VM (GNS3 VM) CPU 50.9%, RAM 30...

Console to all devices

Console to all devices

1 warning

1 warning

Windows taskbar with icons for File Explorer, Edge, and other applications. System tray shows date 22/10/2021 and time 23:21.

-
- The screenshot displays a virtual machine environment. The main window shows a terminal window with the following content:
- ```

Project 01 - GNS3
File Edit View Control Node Annotate Tools Help

[Icons]

R1 R2
use. Delivery of Cisco cryptographic products does not imply
third-party authority to import, export, distribute or use encryption.
Importers, exporters, distributors and users are responsible for
compliance with U.S. and local country laws. By using this product you
agree to comply with applicable laws and regulations. If you are unable
to comply with U.S. and local laws, return this product immediately.

A summary of U.S. laws governing Cisco cryptographic products may be found at:
http://www.cisco.com/wol/export/crypto/tool/stg.html

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

Cisco 3725 (K9NM) processor (revision 0.1) with 128028K/6144K bytes of memory.
Processor board ID F7A00A1000
K9NM CPU at 240MHz, Implementation 29, Rev 2.1, 256K L2, 512K L3 Cache
2 FastEthernet Interface
DRAM configuration is 64 bits wide with parity enabled.
512K bytes of NVRAM.
Installed image archive

SETUP: new interface FastEthernet0/0 placed in "Shutdown" state
SETUP: new interface FastEthernet0/1 placed in "Shutdown" state
A Configlet may not be recovered at FastEthernet0
A This file system device reports an error.

Press RETURN to get started!

*Mar 1 00:00:00.727: %SYS_VLAN-4-IF3_FAILURE: VLAN manager encountered file operation error: call = ifp_open/read / code = 3588 (No device available)
/ bytes transferred = 0
*Mar 1 00:00:00.811: MLINEPROTO-3-UPDOWN: Line protocol on Interface VOP-Malla, changed state to up
*Mar 1 00:00:00.811: MLINEPROTO-3-UPDOWN: Line protocol on Interface IP-Malla, changed state to up
*Mar 1 00:00:00.111: VOY-5-CONF10_1: Configured from memory by console
*Mar 1 00:00:00.472: %CHANGED: Interface FastEthernet0/0, changed state to administratively down
*Mar 1 00:00:00.483: MLINE-3-CHANGED: Interface FastEthernet0/1, changed state to administratively down
*Mar 1 00:00:00.643: VOY-5-RESTART: System restarted --
Cisco IOS Software, 2900 Software (C172-90N1290M1250-K9), Version 12.4(1)T1, RELEASE SOFTWARE (fc2)
Technical support: http://www.cisco.com/techsupport
Copyright (c) 1986-2008 by Cisco Systems, Inc.
Compiled Tue 17-Aug-18 12:08 by prod_rel_team
*Mar 1 00:00:00.67: %SYS-3-CHOLD761: Show agent on host R1 is undergoing a cold start
*Mar 1 00:00:00.715: %KEXPRIO-6-LSA00M_ON_OFF: LSA00M is OFF
*Mar 1 00:00:00.755: %KEXPRIO-6-GOOD_ON_OFF: GOOD is OFF
*Mar 1 00:00:00.479: MLINEPROTO-3-UPDOWN: Line protocol on Interface FastEthernet0/0, changed state to down
*Mar 1 00:00:00.482: MLINEPROTO-3-UPDOWN: Line protocol on Interface FastEthernet0/1, changed state to down
*
solarwinds Solar-PuTTY new tool
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```
- On the right side, there is a video call window showing a man in a white shirt. Below the video call, there is a "Servers Summary" section:
- ```

Servers Summary
+ DESKTOP-UBUNTU3P CPU 17.4%, RAM 89.9%
+ GNS3 VM (GNS3 VM) CPU 1.6%, RAM 30.8%

```
- The bottom of the screen shows a Windows taskbar with various icons and the system clock displaying 23:32 on 22/10/2021.

17. Ikuti segala tahap dan query yang terdapat pada topologi untuk setiap router hingga hasilnya sukses.

