Graphical user interface, diagram, schematic

Description automatically generated

*COSC2384 Assessment 2 – PART 2*

*Time Period: 110mins*

Logical Network Topology

Part 2: Scoring

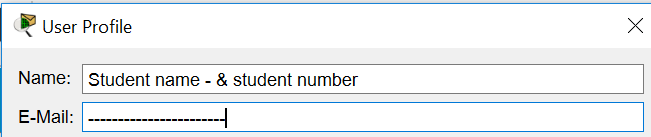
Part 1 Real Equipment Cabling & PuTTY interface (10min) /15 Marks

Part 2: Using supplied PKA Configure Each Set Task as directed below.(110min) / / 60 marks

Part 3: Shared eJournal – First 7 weeks of entries / / 25 marks

TOTAL out of / 100 marks

Part 2: Download Skills PKA – \*\* Locate the User Profile (under the Instructions window)

Please place your name and student number in the User profile 

Immediately change the existing file name with your name and student number

e.g John Smith S1234567 **COSC2384 Net 2 Skills 1 Updated s2-2023.pka** And SAVE the file to your desktop

**Ensure you attempt to complete the following Tasks 1 to 5 on the PKA:**

**Task 1 Tasks on MLS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. Configure VLANs (101 & 202) on MLS & assign host ports 2. Configure 2 SVIs for vlan 101 & 202 3. Configure Etherchannel Grp 2 for 4 links on MLS to **PAGP Desirable** 4. Configure DHCP for vlan 101 - pool Vlan101(exclude 192.168.101.1) | | | |  |  | |
|  |  |  | | |

**Task 2 Tasks on Sw\_1**

1. Configure Etherchannel Grp 2 for 4 links on MLS to **PAGP Auto**
2. Configure spanning tree **portfast** on the port used by Server22

**Task 3 Tasks on MLS**

1. Configure G0/1 as a routed port and address 22.0.0.2/30
2. Configure routing ability for MLS
3. Configure RIP routing Ver 2 - disable summarisation for its 3 connected netwks
4. Configure MLS to become RootBridge for vlan 1

**Task 4 Tasks on ISP router & Switch: Sw\_V**

1. Configure DHCP VoIP pool – name = VOICE ( excl ePhone default-gateway Ip)
2. On **Sw\_V** Assign ephone ports to voice **vlan 150** ( *at this stage Ephone will receive IPs*)
3. Configure **Telephony-services:**

max-ephone = 2

max-dn = 2

ip source-address & port

auto assign 1 to 1

auto assign 2 to 2

1st ePhone ?

type \_\_\_\_\_\_\_?

button 1:\_?

ephone-dn \_?

dial number =2021

2nd ePhone \_\_?

type \_\_\_\_\_?

button 1:\_\_?

ephone-dn \_\_\_?

dial number = 2022

**Task 5 Tasks on Gateway router.**

Troubleshoot IPv4 Extended ACL: BLOCK\_VLAN202\_GATEWAY\_WEBserver so that vlan 101 is denied WEB access to its connected WEB.

**\*\*\*End of Exam**

**PLEASE ensure that you upload your PKA File. \*\*\*SUBMIT FILE\*\*\***

\*\*Please ensure the you have shared you eJournal on OneDrive