**Hawaii Cluster – Grading Rubric**

**Part I. PINGS (Within Hawaii)**

Create a Scenario called **Hawaii**. Make sure you don’t erase your other cluster scenarios. Put these PINGs in it. These test connectivity inside and outside Hawaii. All of these should be successful.

|  |  |  |
| --- | --- | --- |
| **Source** | **Destination** | **Successful? (√)** |
| M1 | Oahu-Switch |  |
| K2 | Mo3 |  |
| O2 | WestHawaii-Switch |  |
| EH1 | Kauai-Switch (assuming .254) |  |
| K1 | Maui-Switch |  |
| M2 | Google-PC |  |
| Mo2 | Detroit-LAN#2 |  |
| K3 | palin.com webserver |  |
| WH1 | DB-LAN(Daytona Beach) |  |
| EH2 | Austin-Printer |  |
| M3 | Watertown-LAN |  |
| O3 | SD-PC (San Diego) |  |

**Part II. HTTP**

We should be able to read via a browser the following domains now: palin.com, disney.com, nyse.com and google.com

Using the browser, on the specified device, test connectivity to the shown domain name.

|  |  |  |
| --- | --- | --- |
| **Source (Device)** | **Domain** | **Successful? (√)** |
| O2 | palin.com |  |
| O2 | google.com |  |
| WH3 | nyse.com |  |
| WH3 | disney.com |  |
| EH1 | palin.com |  |
| Mo3 | google.com |  |
| M2 | nyse.com |  |
| K1 | disney.com |  |

**Part III. Email**

Configure Email on the following devices for the following accounts:

WH2 – goofy@disney.com K2– wolf@nyse.com

MO3 – minnie@disney.com O1 – donald@nyse.com

These devices had previous been set up with email accounts. Use them again for the next section:

Austin-Laptop – mickey@disney.com Iditarod2 – admin@nyse.com

LA3-Laptop – walt@disney.com

**Be sure to erase any email message that had previously been sent before the next part!!!**

Send the following email. Verify their receipt on the destination device. The contents of the email should be simply, “Hello, username”. Ex: “Hello, Goofy!” or “Hello, Donald!”

|  |  |  |
| --- | --- | --- |
| **Source (Device)** | **Destination** | **Successful? (√)** |
| mickey@disney.com (Austin Laptop) | goofy@disney.com (WH2) |  |
| wolf@nyse.com (K2) | walt@disney.com (LA3-Laptop) |  |
| admin@nyse.com (Iditarod2) | goofy@disney.com (WH2) |  |
| minnie@disney.com (MO3) | admin@nyse.com (Iditarod2) |  |
| walt@disney.com (LA3-Laptop) | minnie@disney.com (MO3) |  |

**Part IV. FTP**

FTP to nyse.com using admin account. Try to download the lotto.txt file. Fill out the table below:

|  |  |  |
| --- | --- | --- |
| **Device** | **Connected to nyse.com (via FTP) (Yes/No)** | **Downloaded lotto.txt (Yes/No)** |
| K2 |  |  |
| M3 |  |  |
| EH1 |  |  |
| WH3 |  |  |
| MO1 |  |  |
| O2 |  |  |

**Part V. ACLs**

Perform each of the requested actions and check either “Success” or “Failure”

|  |  |  |
| --- | --- | --- |
| **Action** | **Success** | **Failure** |
| Ping DB-LAN to Molokai-Switch |  |  |
| Ping DB-LAN to O3 |  |  |
| Visit palin.com in browser on O2 |  |  |
| Visit disney.com in browser on O2 |  |  |
| Visit palin.com in browser on K3 |  |  |
| Visit google.com in browser on K3 |  |  |
| Find the IP address of S0/0/0 on Oahu. On Miami router, type in connect <IP> using the IP on S0/0/0 of Oahu. Are you able to connect to Oahu router from Miami? |  |  |
| Find the IP address of S0/0/0 on Maui. On Miami router, type in connect <IP> using the IP on S0/0/0 of Maui. Are you able to connect to Maui router from Miami? |  |  |
| Find the IP address of F0/0 on Maui. On Kauai router, type in connect <IP> using the IP on F0/0 of Maui. Are you able to connect to the Maui router from Kauai? |  |  |

**Part VI. Screenshots**

Directions – Fill out the table below for each of your Hawaii ACLs.

|  |  |  |  |
| --- | --- | --- | --- |
| **ACL #** | **Router where ACL was built** | **Interface ACL applied to** | **Direction ACL was applied** |
| 22 |  |  |  |
| 55 |  |  |  |
| 105 |  |  |  |
| 134 |  |  |  |
| 156 |  |  |  |
| 180 |  |  |  |
| 195 |  |  |  |

For each of your ACLs, go to the router where you configured them and copy and paste your ACL commands below. Reformat the syntax to make it a manageable size and format, removing extra spacing, etc….:

**22**

<Copy and Paste ACL 22 syntax here>

**55**

<Copy and Paste ACL 55 syntax here>

**105**

<Copy and Paste ACL 105 syntax here>

**134**

<Copy and Paste ACL 134 syntax here>

**156**

<Copy and Paste ACL 156 syntax here>

**180**

<Copy and Paste ACL 180 syntax here>

**195**

<Copy and Paste ACL 195 syntax here>