Week 5 Project Worksheet

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| 1. As you work through the project, complete the network documentation sheet. The current access passwords have been included. Change and document all passwords. Create different passwords for each device and function. For IP addresses, if device receives address from DHCP, type DHCP. If statically assigned, type the IP Address | Points Possible | Points Awarded |
| |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | Device | Interface | IP Address | CIDR | Secret Password | Telnet Password | | Stud 1-4 |  | dhcp | /24 | N/A | N/A | | Classroom Laptop |  | dhcp | /24 | N/A | N/A | | ClassSwitch |  | 192.168.1.3 | /24 | Cisco123 | Cisco321 | | OfficeSwitch |  | 192.168.1.2 | /24 | Cisco123 | Cisco321 | | Network Laptop |  | 192.168.1.26 | /24 | N/A | N/A | | MgtRouter |  | 192.168.1.99 | /24 | ? | ? | |  | 192.168.2.2 |  | | DHCP Router |  | 192.168.3.1 | /24 | Cisco123 | Cisco321 | |  |  |  | |  |  |  | |  |  |  | | WebSwitch |  | 192.168.3.2 | /24 | Cisco123 | Cisco321 | | WebServer |  | 192.168.3.3 | /24 | N/A | N/A | | AdminSwitch |  | 192.168.3.2 | /24 | Cisco123 | Cisco321 | | “C” Computers |  | dhcp |  | N/A | N/A | | 5 |  |

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| 1. Why is network communication blocked by the Management Router? Describe the problem and how you fixed it. | Points Possible | Points Awarded |
| Write comments here. On the offceswitch use “sho cdp nei detail” to find out the MgtRouter ip address, then configure the network laption’s because it has the wrong ip address. | 3 |  |
| Text, letter  Description automatically generated  Graphical user interface, text, application  Description automatically generated | 1 |  |

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| 1. Disable the ClassSwitch port that is connected to the “Rogue” Laptop. Secure the laptop until the Boss returns from his fishing trip. | Points Possible | Points Awarded |
| Table  Description automatically generated | 1 |  |

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| 1. Configure a DHCP Pool for the Classroom and Main Office network. Don’t forget to exclude addresses of statically configured devices (Network Laptop, ClassSwitch, OfficeSwitch, MgtRouter | Points Possible | Points Awarded |
| Text  Description automatically generated | 2 |  |

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| 1. Access any of the Stud# computers. Show the DHCP address assignment. Open the web browser and attempt to access the “Internet” (192.168.5.2). | Points Possible | Points Awarded |
| Graphical user interface, application  Description automatically generatedText  Description automatically generated | 2 |  |

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| 1. Assuming the Stud# computers received DHCP assignments, what command(s) must have been configured on the gi0/1 interface of the MgtRouter? | Points Possible | Points Awarded |
| Command(s): ip helper-address | 1 |  |

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| 1. Create DNS “A” records for the ClassSwitch, OfficeSwitch, WebSwitch, WebServer, and AdminSwitch. | Points Possible | Points Awarded |
| Graphical user interface, application, table  Description automatically generated | 2 |  |

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| 1. From the Network Laptop, attempt to ping any of the resources assigned “A” records in DNS using the created name | Points Possible | Points Awarded |
| Text  Description automatically generated | 1 |  |

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| 1. Configure the Admin Switch for telnet access. Take any other steps required to have a relatively secure switch (passwords, line configurations, console configurations) | Points Possible | Points Awarded |
| Graphical user interface, text, application, email  Description automatically generatedText  Description automatically generated | 2 |  |

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| Total Possible Points | Total Points |
| 20 |  |