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| **DOCUMENT RULES:** | |
| **Task Number / Name:** | **Task 9 / GitHub** |
| **Task name & column name should be written:** | **Bold (CTRL+B)** |
| **Commands should be written in the after # sign:** | *Italic (CTRL+I) #hostname* |
| **Output photo should be cropped or compressed:**  **Photo could be more than one:**  **If you need extra lines, add the line next after it:** | ***Description photo should be with title bar (CTRL + I + B)*** |
| **All other text should be written:** | Standard |
| **Font name and text size:** | Calibri and 9 |
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| **#** | **Task names** | **Command steps and outputs** |
| **1** | 1. **Lab requirements:**   **-We need 1 Ubuntu VM on Desktop Hypervisor with Snapshoot**  **- MobaXterm terminal Client software should access to guest VM** | Ubuntu 18.04 Bionic Beaver mini.iso |
| **2** | 1. **Check status of firewall and take screenshot of the CLI output.** 2. **If firewall is not installed left it as have.** 3. **Give permanent SSH access from.** 4. **SSH virtual port is 22. If SSH server is not installed, please install it.** 5. **To be check connectivity use commands.** 6. **Update the system and application.** | **For instance: start**, **stop**, **enable**, **disable, status**  *# firewall-cmd –state*  #*ping x.x.x.x*  *#telnet x.x.x.x 22*  *#sudo apt-get update* |
|  | Installing Nginx | *#sudo apt install nginx* |
|  | 1. **Adjusting firewall** | *#sudo ufw app list*  *#sudo ufw status* |
|  | 1. **Checking Web Server** | *#systemctl status nginx* |
|  | 1. **access the default Nginx landing page** | *#curl -4 icanhazip.com* |
|  | 1. **Start** | *#sudo systemctl stop nginx* |
|  | 1. **Stop** | *#sudo systemctl start nginx* |
|  | 1. **Restart** | **#** sudo systemctl restart nginx |
|  | 1. **Reload** | *#sudo systemctl reload nginx* |
|  | 1. **Disabling** | *#sudo systemctl disable nginx* |
|  | 1. **Enabling** | *#sudo systemctl enable nginx* |
|  | 1. **Setting up Server Block** | *#sudo mkdir -p /var/www/your\_domain/html*  *#sudo chown -R $USER:$USER /var/www/your\_domain/html*  *#sudo chmod -R 755 /var/www/your\_domain*  *#sudo nano /var/www/your\_domain/html/index.html*  *#sudo nano /etc/nginx/sites-available/your\_domain*  *#sudo ln -s /etc/nginx/sites-available/your\_domain /etc/nginx/sites-enabled/*  *#sudo nano /etc/nginx/nginx.conf*  *#sudo nginx -t*  *#sudo systemctl restart nginx* |