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| **DOCUMENT RULES:** | |
| **There is no given name to the tasks:** | **For time consuming or scenario base tasks may be long explanation.** |
| **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 |
| **Group name:** | Dev\_ops\_ |
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| **#** | **Task names** | **Command steps and outputs** |
| **1** | * **Installation and configuration of Desktop Paravirtualization software on your Desktop.** * **Minimal installation of CentOS 7 or Ubuntu on the paravirtual software** * **Test internet access in the cli of guest VM** * **Update and upgrade latest version:** | Please, write commands below on each line  #sudo apt-get update  #sudo apt-get upgrade |
| **2** | * **Check status of firewall and take screenshot of the cli output:** * **Give permanent SSH access from your PC to VM** | **For instance: start**, **stop**, **enable**, **disable, status**  *#systemctl status firewalld* |
| **3** | * **Output of the previous command in the right column:** * **If you need extra lines, add the line next after it:** |  |
|  |  |  |
| **4** | * **To be check connectivity use commands:** | #*ping x.x.x.x* |
|  | * **Output result screenshot:** |  |
| **5** | * **To be check SSH port status:** | *#telnet x.x.x.x 22* |
|  | * **Output result screenshot:** |  |
| **6** | * **Install SSH client application on your work environment:** | Putty  MobaXterm |
| **7** | * **Change host name to anything:** | *Your name with prefix local rahim.local* |
|  | * **Output result screenshot:** |  |
| **8** | * **Reboot system and repeat 9 and 11 commands** | #reboot  Find alternative commands like *#init 0-6*  <https://linuxonfire.wordpress.com/2012/10/19/what-are-init-0-init-1-init-2-init-3-init-4-init-5-init-6-2/> |

**Additional task for increasing the knowledge of students:**

file zilla server and client installation

apache

wordpress installation

LAMP stack installation

Apache install on lin and win

sftp on lin and win

Open VPN

**dns on lin and win**

**disk mgmt on lin and win**

**nfs creation and connections for lin and win**

Git installation and connection lin and win