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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** | 1. **Installation and configuration of Desktop Paravirtualization software on your Desktop.** 2. **Minimal installation of CentOS 7 or Ubuntu on the paravirtual software** 3. **Test internet access in the cli of guest VM** 4. **Update and upgrade latest version:** | Please, write commands below on each line  #sudo apt-get update  #sudo apt-get upgrade |
| **2** | 1. **Check status of firewall and take screen shoot of the cli output:** 2. **Give permanent SSH access from your PC to VM** | **For instance: start**, **stop**, **enable**, **disable**  *#systemctl status firewalld #sudo ufw status*    *#sudo apt-get install openssh-server*  *#sudo service ssh start* |
| **3** | 1. **Output of the previous command in the right column:** 2. **If you need extra lines, add the line next after it:** | Managing system firewall on Red Hat Enterprise Linux |
| **4** | 1. **To be check connectivity use commands:** | #*ping* [*www.google.com*](http://www.google.com)  *#ping -a* [*www.google.com*](http://www.google.com)  #ping 172.217.169.100 |
|  | 1. **Output result screen shoot:** |  |
| **5** | 1. **To be check SSH port status:** | *#telnet x.x.x.x 22 #sudo systemctl status ssh* |
|  | 1. **Output result screen shoot:** |  |
| **6** | 1. **Install SSH client application on your work environment:** | Putty    MobaXterm |
| **7** | 1. **Change host name to anything:** | Your name with prefix local  *#hostname*  *#sudo su*  *#hostname Huseyin* |
|  | 1. **Output result screen shoot:** |  |
| **8** | 1. **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

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