Osys3030 – network services with linux

Install / Change Log

Date \_\_\_\_\_\_\_\_\_\_9/12/2024\_\_\_\_\_\_\_\_\_\_\_

Name \_\_\_\_\_\_\_\_\_\_\_kyle walker\_\_\_\_\_\_\_\_\_

W#\_\_\_\_\_\_\_\_\_\_\_\_0263439\_\_\_\_\_\_\_\_\_\_\_\_

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| **Install Log** | | | | | |
| **Project: CentOS Stream 9 Virtual Machine Server** | | | | | **Date: 09/12/2024** |
| **Activity ID No.** | **Activity Name** | **Description of Work** | | | **Responsibility** |
| A001 | Documentation required for install and configuration. | *OSYS3030 Assignment 1 v9.10.24*  *Naming Convention Document v1.3.24* | | |  |
| A002 | Resources required for install. | *CentOS-Stream-9-20240909.0-x86\_64-dvd1* | | |  |
| A003 | Documentation of object names required for implementation. | **Specify object names in preparation for implementation** | | |  |
| **VM** Folder: | E:\2024 Semester 3\OSYS3030\VMs | |
| **VM** Name: | OSYS3030-LX01 | |
| **VM** OS (selected during VM build): | CentOS Stream 9 (GUI) | |
| **System** Hardware Configuration: | Primary HD | 60GB |
| Additional HDs | 10GB + 5GB + 5GB |
| RAM | 8GB |
| Processors/Cores | 1 / 1 |
| Network | IP Address (Static/DHCP) | 192.168.208.20/24 |
| Subnet Mask | 255.255.255.0 |
| G/W Address | 192.168.208.2 |
| DNS Server Addresses (2) | 8.8.8.8 |
| Installation Mode | New Installation | |
| Time Zone: | AST | |
| Server Type | Linux Server (DNS) | |
| **Server** “Administrator” Password: | User: sysop.kaw  Passw0rd (also root) | |
| **Server** Host Name: | lx01a1cu28.kaw.osys3030.ca | |
|  |  | |
|  |  | |
| Domain Name: | KAW.osys3030.ca | |
| **Additional** User: | Only if required. | |
| Additional User Password: | Only if required. | |
| DSRM Password: | Only if required. | |
|  | | |
| *Name and description of each snapshot to be taken during install.*  *Create a schedule of regular rollback points of the server and take regular snapshots of your server in shutdown state.* |  | |
| A004 | Required configurations or settings applied during initial install. | English, AST Time Zone, Installation on 60GB hard drive.  Server With GUI  Add-Ons:  DNS Name Server  File and Storage Server  Network File System Client  Network Servers  Performance Tools  Remote Management for Linux  Security Tools  System Tools | | |  |
| A005 | “Backup” information: Regular rollback points, snapshots, etc. | Save Gold Copy immediately after successful installation of OS and save Snapshot as per “PreA1” naming conventions. Any additional Snapshots should be taken before any major changes to server as per “Pre\*ChangeHere\*” | | |  |
| A006 | “Gold” Copy information: Rollback or restore options for the system. | GoldCopy saved to E:\2024 Semester 3\OSYS3030\GoldCopies | | |  |
| A007 | Test Plan location | N/A | | |  |

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| **Change No.** | **Change Type** | **Description of Change** | **Date Completed** | **Status** | **Comments / Troubleshooting notes** |
| CR001 | Configuration change. | Edited /etc/hosts | 09/16/2024 | Completed | Added 192.168.208.20 line,  Edited loopback address “localhost4” to be “kaw.osys3030.ca” |
| CR002 | Security Modification | Edited /etc/selinux/config | 09/16/2024 | Completed | Changed from “SELINUX=enforced” to “permissive”  Followed by “sudo setenforce 0” |
| CR003 | Security Modification | Changed firewall settings | 09/16/2024 | Completed | “sudo firewall-cmd --permanent --add-service={http,https,dns,freeipa-ldap,freeipa- ldaps,kerberos,kpasswd,ntp}”  Reports back “success”  “sudo firewall-cmd –reload”  Also success. |
| CR004 | Software Installation | Installed FreeIPAServer | 09/16/2024 | Completed | “sudo dnf install freeipa-server” |
| CR005 | Software Installation | Began configuring DNS | 09/16/2024 | Completed | “sudo dnf install ipa-server-dns bind-dyndb-ldap -y --skip-broken” |
| CR006 | DNS Settings Update | Changed from Google DNS to Server IP | 09/16/2024 | Completed | “sudo nmcli connection modify ens33 ipv4.dns "192.168.208.20"  Able to ping self at above IP afterwards, assumed to be successful |
| CR007 | DNS Server Installation | Installed and configured DNS | 09/16/2024 | Completed | “sudo ipa-server-install –setup-dns” completed following all default/imported guidelines.  DNS forwarders to Google (8.8.8.8)  “Continue to configure … = yes”  Username: admin  Password: Passw0rd  Directory Manager Password: Passw0rd |
| CR008 | Ports Enabled | Opened various ports with TCP/UDP | 10/03/2024 | Completed | “sudo firewall-cmd –permanent –add-port=(PORT #)/(TCP/UDP)”  “sudo firewall-cmd –reload” |
| CR009 | Password Policy Edited | Changed settings under Policy > Password Policy | 10/03/2024 | Completed | Max lifetime = 100  History size = 2  Min length = 10  Lock duration = 60 |
| CR0010 | Users and Groups Added | Added new Host Group, Net Group and Users | 10/03/2024 | Completed | Added host group “ipaworkstations”  Added net group “ipaadmins”  Added user “bkadmin” (Passw0rd@2024)  Added user “aanton” (Temppass@12345)  Added user “bbrown” (Temppass@12345) |

## Documentation:

A screenshot of a computer

Description automatically generated A screenshot of a computer

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