NETw2500 Nos administration ii

Install / Change Log

Date \_\_\_\_\_\_\_\_\_\_9/11/2024\_\_\_\_\_\_\_\_\_

Name \_\_\_\_\_\_\_\_\_\_Kyle walker\_\_\_\_\_\_\_

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

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| **Install Log** | | | | | |
| **Project: Server 1** | | | | | **Date: 09/11/2024** |
| **Activity ID No.** | **Activity Name** | **Description of Work** | | | **Responsibility** |
| A001 | Documentation required for install and configuration. | NETW2500\_Assign1 v9.10.24.docx  Azure for Education (for ISOs) | | |  |
| A002 | Resources required for install. | Windows Server 2022 ISO  (en-us\_windows\_server\_2022\_updated\_july\_2023\_x64\_dvd\_541692c3.iso) | | |  |
| A003 | Documentation of object names required for implementation. | **Specify object names in preparation for implementation** | | |  |
| **VM** Folder: | E:\2024 Semester 3\NETW2500\NETW2500-DC01 | |
| **VM** Name: | NETW2500-DC01 | |
| **VM** OS (selected during VM build): | Windows Server Standard 2022  VDYBN-27WPP-V4HQT-9VMD4-VMK7H | |
| **System** Hardware Configuration: | Primary HD | 150GB |
| Additional HDs | 60GB |
| RAM | 4GB |
| Processors/Cores | 2 / 1 |
| Network | IP Address (Static/DHCP) | NIC 1: 192.168.208.10/24  NIC 2: 192.168.208.11/24 |
| Subnet Mask | 255.255.255.0 |
| G/W Address | 192.168.208.2 |
| DNS Server Addresses (2) | 192.168.208.10 (NIC 1)  192.168.208.11 (NIC 2) |
| Installation Mode | New Installation | |
| Time Zone: | AST | |
| Server Type | Domain Controller | |
| **Server** “Administrator” Password: | Passw0rd | |
| **Server** Host Name: | DC01A1C20 | |
| Domain Name: | KAW.netw2500.ca | |
| **Additional** User: | Only if required. | |
| Additional User Password: | Only if required. | |
| DSRM Password: | Passw0rd | |
|  | | |
| *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. | Core Installation (No GUI)  Perform all critical Windows updates  Install VMWare Tools  Confirm admin password is not set to expire  Change Network Settings to match Install Log | | |  |
| A005 | “Backup” information: Regular rollback points, snapshots, etc. | Snapshots to be taken before and after each assignment or before any large updates or procedures. Snapshots outside of this convention must be noted. | | |  |
| A006 | “Gold” Copy information: Rollback or restore options for the system. | GoldCopy saved at E:\2024 Semester 3\NETW2500\Backups | | |  |
| A008 | Active Directory + DNS Installation | Dcpromo.exe ran with script “DCPromoScript.txt”  “dcpromo.exe /unattend:C:\DCPromoScript.txt”  After adding script to above directory. (script located in E:\2024 Semester 3\NETW2500) | | |  |
| A009 | OU’s Added and Edited | AD OU created, “SystemOperators”, group “Sysops\_gp” added within OU. User made for myself, added to group with permissions:  New-ADUser -Name "Kyle Walker" ` -GivenName "Kyle" ` -Initials "KAW" ` -Surname "Walker" ` -SamAccountName "SysOp.KAW" ` -UserPrincipalName "SysOp.KAW@kaw.netw2500.ca" ` -Path "OU=SystemOperators,DC=kaw,DC=netw2500,DC=ca" ` -AccountPassword (ConvertTo-SecureString "Passw0rd" -AsPlainText -Force) ` -Description "System Operator – Kyle Walker" ` -Enabled $true | | |  |

**Testing Plan**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Test ID** | **Description** | **Action** | **Expected result** | **Tech** | **Status** | **Repeat test** | **Notes:** |
| A001 | Test Internet Connectivity | Ping Google DNS 8.8.8.8 | All pings return after a few attempts at least | KW | Success | 1 |  |
| A002 | Ensure hostname and network settings are correct | Compare Network settings to Install Plan | All addresses match correctly | KW | Success | 1 | All NIC settings match exactly |
| A003 | Ensure all Windows Updates installed correctly | Attempt a full install of updates, note any discrepancies | All updates should be installed correctly | KW | Success | 1 | Initial update successful, no updates available upon retry |
| A004 | Check Network | In PowerShell, use “hostname” to ensure correct setup | Correct Hostname Should Display | KW | Success | 1 | As per install plan, correct name is shown |
| A005 | Check Administrator | Use “net user Administrator” to ensure correct settings | Admin should have correct permissions, password set correctly | KW | Success | 1 | Matching |
| A006 | Ensure Services Installed Correctly | Use “Get-Service adws,kdc,netlogon,dns” | All services should show “running” | KW | Success | 1 | All called services are running |
| A007 | Check Initial AD Installation | In PowerShell, use “Get-ADDomain kaw.netw2500.ca” | Correct configuration should display | KW | Success | 1 | Domain is active |
| A008 | DC Confirmation | “Get-ADDomainController” | DC should appear with correct names as per install log | KW | Success | 1 | All names and services displayed properly |

**Change Log**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Change No.** | **Change Type** | **Description of Change** | **Date Completed** | **Status** | **Comments / Troubleshooting notes** |