NETW2500 – INTRODUCTION TO NOS II

Install / Change Log

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

Name \_\_\_\_\_\_\_\_\_\_\_KYLE WALKER\_\_\_\_\_\_\_\_

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

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| **Install Log** | | | | | |
| **Project: Server 2** | | | | | **Date:** 9/11/2024 |
| **Activity ID No.** | **Activity Name** | **Description of Work** | | | **Responsibility** |
| A001 | Documentation required for install and configuration. | NETW2500\_Assign1 v9.10.24.docx  Naming Convention Document v1.3.24.docx  Testing Plan Template v19.12.19 | | |  |
| A002 | Resources required for install. | Windows Server 2019 ISO  (en-us\_windows\_server\_2019\_x64\_dvd\_f9475476.iso) | | |  |
| A003 | Documentation of object names required for implementation. | **Specify object names in preparation for implementation** | | |  |
| **VM** Folder: | E:\2024 Semester 3\NETW2500\VMs\NETW2500-DC02 | |
| **VM** Name: | NETW2500-MS01 | |
| **VM** OS (selected during VM build): | Windows Server 2019 Standard (Desktop Experience) | |
| **System** Hardware Configuration: | Primary HD | 150GB |
| Additional HDs | 60GB |
| RAM | 8GB |
| Processors/Cores | 2 / 1 |
| Network | IP Address (Static/DHCP) | (No Network Discovery)  192.168.208.12 /24 |
| Subnet Mask | 255.255.255.0 |
| G/W Address | 192.168.208.2 |
| DNS Server Addresses (2) | DNS Server IP |
| Installation Mode | New Installation | |
| Time Zone: | AST | |
| Server Type | Member Server | |
| **Server** “Administrator” Password: | Sysop.kaw - Passw0rd | |
| **Server** Host Name: | MS01A1C22 | |
| Domain Name: | N/A | |
| **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. | Confirm/install VMWare Tools (may install automatically) • Add required lines to \*.vmx file • View all hidden items and file extensions • Turn Off IE Enhanced Security for Administrators ONLY • Install 7-zip and Notepad ++ • Perform all critical Windows Updates to date • Add your Member server to your domain • Pin PowerShell Console and Server Manager to the System Operators Taskbar • Add your Domain Controller to Server Manager on your Member Server (Server 2) | | |  |
| A005 | “Backup” information: Regular rollback points, snapshots, etc. | Snapshots will be taken before and after each assignment (“PostA1” conventionally) and before any major changes to the server, to be noted upon creation of said snapshot. | | |  |
| A006 | “Gold” Copy information: Rollback or restore options for the system. | E:\2024 Semester 3\NETW2500\Backups | | |  |
| A008 | Workstation Added to Domain | After configuration of DC01A1C20, machine added to domain “kaw.netw2500.ca”, logged with new OU user created sysop.kaw | | |  |
| A009 | DC01A1C20 Remote Access Enabled | Added DC01A1C20 to Server Manager, AD and DNS working as intended. | | |  |

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| **Test ID** | **Description** | **Action** | **Expected result** | **Tech** | **Status** | **Repeat test** | **Notes:** |
| A001 | Check Network and Names | In PowerShell, use the “hostname” command, check System in Control Panel for correct computer name | Hostname should reflect install plan, as should computer name |  | Success | 2 | Default computer name was applied, updated to match install log |
| A002 | Confirm Domain Connection | Ensure DC01A1C20 is running during Domain change | No errors during domain connection |  | Success | 1 | Domain joined successfully |
| A003 | Remote Server Connection | “Add Server” in Server Manager, if configured properly, DC01A1C20 should appear in list | DC01A1C20 appears for access |  | Success | 1 | Remote access granted |
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**Testing Plan**

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| **Change No.** | **Change Type** | **Description of Change** | **Date Completed** | **Status** | **Comments / Troubleshooting notes** |
| C001 | Added Server Roles | Enabled various RSAT Tools | 09/25/24 | Complete | Group Policy Management  AD DS and AD LDS Tools (all)  Remote Desktop Service Tools  Windows Server Update Tools (all)  DHCP Server Tools  DNS Server Tools |
| C002 | Created Event Log | “CustomLog2024” added in Event Viewer | 09/25/24 | Complete | Logged: Any time  All Event Levels  By Log: GroupPolicy (including Operational)  DNS Client Events (including Operational) |
| C003 | NIC 2 Installed and Configured | Second NIC added for Remote Access | 10/03/2024 | Complete | NIC 2 (Ethernet1) added with IP address 10.0.0.13 |
| C004 | Remote Access Tools Installed | Remote Access (VPN) enabled | 10/03/2024 | Complete | Remote Access setup with static range 10.0.0.2 - 22 |
| C005 | User Added | Added User for Remote Access | 10/03/2024 | Complete | User: Ruser  Password: Remote@2024  Allowed Network Access Permission |
| C006 | Event Viewer Scheduled | Custom View Created | 10/03/2024 | Complete | Added “CustomLog2024” to Custom Views list |
| C007 | Subscription Added | Added Subscription to log Critical, Error and Warning events for ALL Windows logs | 10/03/2024 | Complete | Collects system performance statistics, set to run every Monday at 1:45pm for 2 minutes, limits 1 minutes, max size 2mb, stops when finished |
| C008 | IIS Role Added | Web Server functionality enabled | 10/03/2024 | Complete | Web Server role added, IIS settings configured to launch “index.html” by default with application pool “NETWPool” |
| C009 | Secondary Drive Initialized | Enabled Secondary E:\ Drive | 10/19/2024 | Complete | 60GB NVMe Virtual Drive added during install configured and formatted with drive letter E:\ |
| C010 | Windows Server Backup Configured | System State backup saved to E:\ Drive | 10/19/2024 | Complete | Windows Server Backup tools installed, used to create backup at E:\windowsimagebackup\DC01A1C20 |
| C011 | Added AD Subnet | Created Subnet via AD Sites and Services | 10/19/2024 | Complete | Name: NETWSite  IP Address: 192.168.208.0/24 |
| CR012 | Created OU’s and Users | Remote Office OU added, Remote User added | 10/19/2024 | Complete | Name: remoteadmin  Password: Radmin@2024 |
| CR013 | Home Shared Folder Set Up for Users | Added FSRM, set up E:\ drive with share Home$ in E:\Home | 10/19/2024 | Complete | New users in Staff OU assigned Home drives via share, For specific configuration see Staff OU. |
| C011 | Created and Executed Script to Create Users and Groups | Script refers to .csv file on MS to create users | 10/28/2024 | Complete | Scripts location: “C:\dcscripts”  .csv file “\\MS01A1C22\Scripts” |
| C012 | Default Domain Policy Edited | Password Policy updated; restrictions added for Sales Group | 10/29/2024 | Complete | Password Settings object “SalesPassObj” created for Sales\_gp |
| C013 | New Group/OU Added with specific permissions | Created group “CasualTechs\_gp”, added new user Sysop.BBB (Passw0rd2500) | 10/29/2024 | Complete | Gave CasualTechs\_gp permission to add computers to domain. Added client VM CLR31601A4. |
| C014 | Default Domain Policy Updated | Modified GPO to redirect users Documents folder to their new Home drive | 10/29/2024 | Complete | Home$ share set up on SD01A1U30, see SD changelog for details |
| C015 | Startup Script Added | Script added to be run on Authenticated Users and Domain Controllers | 10/29/2024 | Complete | Script added to server to clean temp files on connected computers, GPO updated in accordance |