

# Method short description –. 11 long description

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Method of Procedures Operating Systems and Systems In INFO2270 Siddhartha Rudraksha Punj 7724693 January 4, 2018 Table of Contents Basic Installing of Windows Server 2012. 3 Short Description -. 3 Long Description -. 3 Pre - Implementation Test Plan -. 3 Implementation Plan -. 3

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13 Creating AD Domain Users and Groups. 14 Short Description -. 14 Long Description -. 14 Pre - Implementation Test Plan -. 14 Implementation Plan -. 14

14 Verification Plan -. 15 Back out Plan -. 16 Basic Installing of Windows Server 2012 This part of the Method of Procedures aims at the basic install of a Windows Server 2012. Windows Server 2012 is the most used server edition. The process of installing Windows Server 2012 is a short process, if done carefully.

Short Description - In this part we will install Windows Server 2012, using Windows Server 2012 iso file. Long Description - In order to install Windows Server 2012, for this assignment we will be using VMware Workstation 12 Player, in order to illustrate the basic steps involved in the installing process.

<https://assignbuster.com/method-short-description-11-long-description/>

The reason behind choosing VMware Workstation Player, for illustrating the install process of the Windows Server 2012, is its platform independability, and free of cost. Pre - Implementation Test Plan -The Pre - Implementation plan for Windows Server 2012 install are as follows -· In this case the VMware Workstation 12 Player downloaded and installed. · The Windows Server 2012 iso file. · Enough space on the hard drive to store the Windows Server 2012 files. Implementation Plan -The Implementation plan for Windows Server 2012 install are as follows -· Open VMware Workstation 12 Player.

· Click Create a New Virtual Machine Icon, and connect the Windows Server 2012 iso. Click Next. · Provide the meaningful Username to the virtual machine. Specify the location where the machine will be stored on the host computer.

· Specify the maximum disk size for your Windows Server. Click on the Store virtual disks as a single file checkbox. · Confirm the virtual machine settings and configuration. Click Next. The upcoming steps are similar to a regular Windows Server 2012 install on a real host computer. · Set the language, time, and currency format and the default keyboard or input method.

Click Next. · Click on the Install now button. · Select the Windows Server 2012 R2 Standard Evaluation (Server with a GUI), option.

Click Next. · Read the Microsoft License Terms, and click on “ I Accept the License Terms” checkbox. Click Next. · Select Custom: Install Windows only (advanced) option.

· Select the hard disk on which the operatingsystem will be installed.

Click Next. · The Windows Setup will begin. Wait for thesetup to complete. It may take few minutes.

· Wait for the system to Restart. · Enter the Passwordfor the Administrator account. After entering the password reenter the same password. Click Finish.

· Login with Administrator account, by enteringthe password created in the above step. Press Enter button after entering thepassword. · Wait for the server to boot up. · After booting up successfully, the WindowsServer 2012 is ready to use. Verification Plan -Thesuccessful install of Windows Server 2012, can be confirmed or verified by thefollowing method -

· The server managerconfiguration Figure 1 - Screenshot showing the servermanager of the newly installed Windows Server 2012, thereby verifying itssuccessful install.

Back out Plan -However, backing out the Windows Server 2012 install is abit complicated and not usually recommended. The best thing you can do if youwant to back out is just delete the files of the Windows Server 2012 on thehard drive. This method will result in the crashing of the Windows Server andthen you can install another version or not. The better and most recommended wayfor a better performance is upgrading the Windows Server

to a new version, by performing upgrades. Installing the Active Directory Role on a Windows Server 2012 This Part of the Method of Procedures aims at Installing the Active Directory Role on a Windows Server 2012. Short Description - In this part we will install the Active Directory Role on a Windows Server 2012. Long Description - In installation of Active Directory Role on a Windows Server 2012, enables it to use the features of the Active Directory, thereby increasing its functionality.

This part describes the method of adding an Active Directory Role on the Server, and does not talk about promoting the server to the Domain Controller. Pre - Implementation Test Plan - The Pre - Implementation plan for installing an Active Directory Role on the Windows Server 2012 are as follows

- A Windows Server 2012 booted up and running. A secure and stable internet connection for support the install operation. Enough space on the hard disk to store the new files after installing the Active Directory Role. Implementation Plan - The Implementation plan for installing Active Directory Role on the Windows Server 2012 are as follows - Open the Server Manager of the Windows Server 2012. Click on the Manage button present on the right - top corner of the server manager screen. Click on Add Roles and Features option.

An Add Roles and Features wizard will pop up. Click Next. Select Role-based or feature-based installation checkbox.

Click Next. In the Server Selection, select "select a server from the server pool" checkbox. This will automatically select the available server, highlighted by a blue line. Click Next.

- In the ServerRole, select “ Active DirectoryDomain Service” role checkbox. Figure 2 - Screenshot showing the rolethat has to be installed - Active Directory Domain Service.· After click on theActive Directory Domain Service checkbox, a new box will pop up. Click the Add Feature button.· Click Next.
- In Features, keep the default settings. Click Next.· In AD DS (Active Directory Domain Service), click Next.· In Confirmation, Do Not click “ Restart the destinationserver automatically if required” checkbox. The feature is not recommendingbecause it results in automatic restart of the server without the userpermission, and therefore can cause loss of data.· Click Install.· View the InstallationProgress, and wait for its successful completion.

This may take a few minutes.· After completion youwill see a yellow triangle in right top corner and the Close button will behighlighted. Click Close. The yellow triangle will suggest prompting the serverto the Domain Controller (Not discussed in this part).

- The installation ofActive Directory Role is now complete. Verification Plan -Theinstallation of the successful Active Directory Role on the Windows Server 2012can be verified by the following methods - · The yellow trianglesuggesting promoting the server to the domain controller. This occurs only whenthe Active Directory Role is installed successfully.

- The server managershowing the new AD DS feature. Figure 3 - Screenshot illustrating thesuccessful installation of Active Directory Role on

the Windows Server 2012. Back out Plan -Inorder to back out from the install of Active Directory Role perform thefollowing step -- In the Server Manager, click Manage, and then click on the RemoveRole and Feature.· A wizard similar to theAdd Role and Feature will pop up. Click Next and then select the ActiveDirectory Domain Service Role. Click Remove Feature button. Wait till theremoving process completes. Promoting a Windows Server 2012 to be the First AD DomainController for a New DomainThispart of the Method of Procedures aims at Promoting a Windows Server to be theDomain Controller.

Short Description -Inthis part we will promote a Windows Server 2012 to be the first AD DomainController for a New Domain. Long Description -Thisstep is in continuance to the task of adding Active Directory Role performed inthe above step. In this step we will use promote the server with AD DS featureto the first Domain Controller of the New Domain, which was suggested by theyellow triangle obtained after the Active Directory Role install. Pre - Implementation Test Plan -ThePre - Implementation plan for promoting a Windows Server 2012 to be the firstAD Domain Controller for a New Domain are as follows -- A server with ActiveDirectory Domain Services installed.

· A secure and stableinternet connection required for the promotion of the server to the domaincontroller. Implementation Plan -TheImplementation plan for promoting a Windows Server 2012 to be the first ADDomain Controller for a New Domain are as follows -- Open the Server Managerof the Windows Server 2012.· Click on the yellownotification triangle present on the right - top corner of the server

managerscreen. · Click on the “ Promote this server to a domain controller”. · An Active DirectoryDomain Service Configuration Wizard will pop up.

· In Deployment Configuration, click on the “ Add a new forest” checkbox. Enter the meaningful root domain name in the blank space. Click Next. · In Domain Controller Options, enter and confirm the password for the new domain that has to be created. Click Next. · DNS Options, click Next.

· The system will automatically verify the NetBIOS name. This might take few seconds. After the process is complete click Next. · In Paths, keep the default settings.

Click Next. · In Review Options, review the configuration settings and then click Next. · The system will automatically perform the Prerequisites check.

After the check is complete click Install. · View the installation progress and wait for its successful completion. This might take few

minutes. · After the successful promotion of the server, the system will restart. · Login with the Administrator account of the new domain. Open the server manager and observe that a new domain is created and the server is promoted to be the first domain controller of the domain.

Task successful. Verification Plan - The promotion of the server to be the domain controller can be verified by the following methods - · Open the



server manager and click on tool (present on the right top corner of the server manager screen). Click Active Directory Users and Computers option.

· Expand the newly created domain and then click Domain Controller option, by clicking that you will be able to see the domain controller of the domain. Figure 4 - Screenshot showing the Domain Controller of the domain created, shown by the highlighted region. Back out Plan - In order to back out from above performed step of promoting a server to be the domain controller of the new domain, you have to demote the domain controller to be a regular server. This can be done by removing the Active Directory Role feature from the server. Removal of this role will automatically demote the domain controller to be a regular server. Creating AD Domain Users and Groups In this part of the Method of Procedures aims at creating AD Domain Users and Groups. Short Description - In this part we will create AD Domain Users and Groups Long Description - In order to create new AD Domain Users and Groups we make use of Active Directory Users and Computers option.

Creating domain users and groups in a Windows Server 2012 is an easy and quite straight forward process. Pre - Implementation Test Plan - The Pre - Implementation plan for creating AD Users and Groups are as follows -

· A Windows Server 2012 which has been promoted as the domain controller of the domain, containing ADDS feature. · Logged in as the Administrators account of the domain controller. Implementation Plan - The Implementation plan for creating AD Users and Groups are as follows -

· Open Server Manager.

Click on Tools, present on the right- top corner of the server manager

screen. · Click Active Directory Users and Computers. A new window of

Active Directory Users and Computers will pop up. Expand the domain icon

present on left - top corner of the window screen. · Right click the

domain name. Click on New and then click User.

(This method is used for creating new domain user) · A New Object - User,

box will pop up. Enter the user details (First and Last name, User logon). Click

Next. · Enter and confirm the password for the concerned user. Click on

the " Password never expires" checkbox. Click Next. · Review the user

details entered and then click Finish. The new user created will show up in the

domain.

· Perform similar action in order to create Groups, but choose Groups

instead of User in this step. A New Object - Group, box will pop up. Enter the

group name, type and scope.

Click Next. · The group will show up in the domain. We can create other

object by performing similar steps. Verification Plan - The creation of new AD

Users and Groups can be verified by the following method - · Open Server

manager of the server.

Click on tools and then open Active Directory Users and Computers. Click on

the Domain and the Users and Group will be shown in the right hand side of

the screen. Figure 5 - Screenshot showing Users and Groups created. Back

out Plan - In order to back out from the creation of Domain Users and Groups

we just delete the newly created Domain Users and Groups.

Just rightclick on the User or Group that has to be deleted and then click on the deleteoption, and the concerned user or group will be deleted from the domainhistory.