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QUESTION 1

You need to recommend a strategy for managing Windows Firewall that meets the company\\\'s technical requirements. What should you include in the recommendation?

A. domain-based Group Policy objects (GPOs)

B. local Group Policy objects (GPOs)

C. Starter Group Policy objects (GPOs)

D. System Starter Group Policy objects (GPOs)

Correct Answer: A

http://technet.microsoft.com/en-us/library/ee461027.aspx The Windows PowerShell command-line and scripting language can be used to automate many Group Policy tasks, including configuring registry-based policy settings and various Group Policy Management Console (GPMC) tasks. To help

you perform these tasks, the Group Policy module for Windows PowerShell provides the cmdlets covered in this section. You can use these Group Policy cmdlets to perform the following tasks for domain-based Group Policy objects (GPOs): Maintain GPOs: GPO creation, removal, backup, reporting, and import.

Associate GPOs with Active Directory Directory Services (AD DS) containers: Group Policy link creation, update, and removal.

Set inheritance and permissions on AD DS organizational units (OUs) and domains.

Configure registry-based policy settings and Group Policy Preferences Registry settings.

Topic 11, Fabrikam Inc Scenario COMPANY OVERVIEW Fabrikam Inc. is a manufacturing company that has a main office and a branch office. PLANNED CHANGES You plan to deploy a failover cluster named Cluster1 in the branch office. Cluster1 will be configured to meet the following requirements:

-

The cluster will host eight virtual machines (VMs).

-

The cluster will consist of two nodes named Node1 and Node2.

-

The quorum mode for the cluster will be set to Node and Disk Majority.

-A user named Admin1 will configure the virtual switch configuration of the VMs.

-The cluster nodes will use shared storage on an iSCSI Storage Area Network (SAN).

You plan to configure a VM named File2 as a file server. Users will store confidential files on File2.

You plan to deploy a Microsoft Forefront Threat Management Gateway (TMG) server in each site.

The Forefront TMG server will be configured as a Web proxy.

EXISTING ENVIRONMENT

The research department is located in the branch office. Research users frequently travel to the main office.

Existing Active Directory/Directory Services

The network contains a single-domain Active Directory forest named fabrikam.com. The functional level of the forest is Windows Server 2008.

The relevant organizational units (OUs) for the domain are configured as shown in the following

table.

OU name	OU description
Main Office Users	Users in the main office
Main Office Computers	Computers in the main office
Main Office Servers	Servers in the main office
Branch Office Users	Users in the branch office
Branch Office Computers	Computers in the branch office
Branch Office Servers	Servers in the branch office
Domain Controllers	Domain controllers

The relevant sites for the network are configured shown in the following table.

Active Directory site name	Site description
MainOfficeSite	Main office
BranchOfficeSite	Branch office

The relevant group policy objects (GPOs) are configured as shown in the following table.

GPO name	Linked to
Default Domain Policy	Fabrikam.com domain
Default Domain Controllers Policy	Domain Controllers OU
GPO1	Fabrikam.com domain
GPO2	Main Office Computers OU
GPO3	Branch Office Computers OU
GPO4	MainOfficeSite site
GPO5	BranchOfficeSite site

Existing Network Infrastructure

All users run windows server 2008 R2. The relevant servers are configured as shown in following table.

Server name	Role service	Server site
File1	File Services	MainOfficeSite
DC1	Active Directory Domain Services (AD DS)	MainOfficeSite
DC2	Active Directory Domain Services (AD DS)	MainOfficeSite
WSUS1	Windows Server Update Services (WSUS)	MainOfficeSite
WSUS2	Windows Server Update Services (WSUS)	MainOfficeSite

WSUS2 is configured as a downstream replica server.

File1 contains a share named Templates. Users access the Templates share by using the path \\fabrikam.com\dfs\templates.

File1 has the Distributed File System (DFS) Replication role service and the DFS Namespaces role service installed.

TECHNICAL REQUIREMENTS

-Fabrikam must meet the following requirements:

-

Minimize the cost of IT purchases.

-

Minimize the potential attack surface on the servers.

-

Minimize the number of rights assigned to administrators.

-

Minimize the number of updates that must be installed on the servers.

-

Ensure that Internet Explorer uses the local ForeFront TMG server to connect to the Internet.

-

Ensure that all client computers continue to receive updates from WSUS if a WSUS server fails.

-Prevent unauthorized users from accessing the data stored on the VMs by making offline copies of the VM files.

Fabrikam must meet the following requirements for the Templates share:

-Ensure that users access the files in the Templates share from a server in their local site.

- Ensure that users always use the same UNC path to access the Templates share, regardless of the site in which the users are located.

QUESTION 2

You need to configure Internet Explorer to meet the company\\\'s technical requirements.

Which GPO or GPOs should you modify?

A. Default Domain Policy

B. GPO1

C. GPO2 and GPO3

D. GPO4 and GPO5

Correct Answer: D

The company has 2 sites

He following list contains example applications of policy:

A GPO linked to a site applies to all users and computers in the site.

A GPO applied to a domain applies to all users and computers in the domain and, by inheritance, to all users and computers in child organizational units. Be aware that policy is not inherited across domains.

A GPO applied to an organizational unit applies directly to all users and computers in the organizational unit and, by inheritance, to all users and computers in child organizational units.

QUESTION 3

You need to recommend the minimum number of logical unit numbers (LUNs) that must be provisioned for Cluster1. The recommendation must support the company\\'s planned changes. Which number should you recommend?

A. 1

B. 2

C. 8

D. 9

Correct Answer: B

LUN Stands for "Logical Unit Number." LUNs are used to identify SCSI devices, such as external hard drives, connected to a computer. Each device is assigned a LUN, from 0 to 7, which serves as the device\\'s unique address.

LUNs can also be used for identifying virtual hard disk partitions, which are used in RAID configurations. For example, a single hard drive may be partitioned into multiple volumes. Each volume can then be assigned a unique LUN.

A failover cluster is a group of independent computers that work together to increase the availability of applications and services. The clustered servers (called nodes) are connected by

physical cables and by software. If one of the cluster nodes fails, another node begins to provide service (a process known as failover).

Users experience a minimum of disruptions in service.

In simple terms, the quorum for a cluster is the number of elements that must be online for that cluster to continue running. In effect, each element can cast one "vote" to determine whether the cluster continues running. The voting elements

are nodes or, in some cases, a disk witness or file share witness. Each voting element (with the exception of a file share witness) contains a copy of the cluster configuration, and the Cluster service works to keep all copies synchronized at all

times.

There are four quorum modes:

Node Majority: Each node that is available and in communication can vote. The cluster functions only with a majority of the votes, that is, more than half.

Node and Disk Majority: Each node plus a designated disk in the cluster storage (the "disk witness") can vote, whenever they are available and in communication. The cluster functions only with a majority of the votes, that is, more than half.

Node and File Share Majority: Each node plus a designated file share created by the administrator (the "file share witness") can vote, whenever they are available and in communication. The cluster functions only with a majority of the votes,

that is, more than half.

No Majority: Disk Only: The cluster has quorum if one node is available and in communication with a specific disk in the cluster storage.

Choosing the quorum mode for a particular cluster

The following table describes clusters based on the number of nodes and other cluster characteristics, and lists the quorum mode that is recommended in most cases.

A "multi-site" cluster is a cluster in which an investment has been made to place sets of nodes and storage in physically separate locations, providing a disaster recovery solution.

Description of cluster
Odd number of nodes
Even number of nodes (but not a multi-site cluster)
Even number of nodes, multi-site cluster
Even number of nodes, no shared storage

as the Quorum will be set to Node And Disk Majority this means we need an even number of nodes which we have (node1 and node2)

QUESTION 4

You need to recommend a solution that meets the company\\'s Application provisioning requirements.

What should you recommend?

A. Create a new MEDV workspace.

B. Publish a new RemoteApp program.

C. Create an Application compatibility shim.

D. Package a new Application by using the AppV Sequencer.

Correct Answer: A

MED-V Benefits The key benefit of MED-V is that it helps enterprises deal with incompatibility between applications and the operating system. For instance, if a user needs to run an early version of Internet Explorer and that version of Internet Explorer is not supported on Windows Vista, the administrator can use MED-V 1.0 to deploy this early version of Internet Explorer to the user as part of a Windows XP virtual image. (And when MED-V 1.0 SP1 becomes available in Q1 of 2010, the user will be able to do the same thing on computers running Windows 7.) The user can then have two copies of Internet Explorer running simultaneously on his desktop--the most recent version (running on the host computer) and the earlier version (running in the MED-V workspace). From the user\\'s perspective, both copies of Internet Explorer appear as if they were running on the local computer.

MED-V does this by allowing users to run legacy applications within a virtual machine that has an earlier version of Microsoft Windows installed. The user can then access these applications either from a virtual desktop (as with Virtual PC

2007 running natively on a system) or by using application windows that are seamlessly integrated into the local desktop of the user\\'s computer (similar to RemoteApp in Remote Desktop Services).

MED-V Usage Scenarios The key usage scenario for MED-V is resolving application-to-operating system Incompatibility to accelerate the upgrade path to a new operating system. Businesses that need to continue to run legacy line-of-business applications on users\\' desktop computers can do so by using Virtual PC. Incompatibility between legacy applications and newer versions of Microsoft Windows can often be a primary blocking issue preventing an enterprise from upgrading to the latest version of Windows, such as Windows Vista, to take advantage of the many new features and enhancements offered by this version. By delivering those applications in a Virtual PC that runs a previous version of the operating system (for example, Windows XP or Windows 2000), MED-V allows administrators to break the tight dependency between a computer\\'s underlying hardware and the operating system, and it can help remove such blocking issues so that your users can benefit from having the latest version of Windows deployed on their desktop computers. From the user\\'s perspective, with MED-V, these applications are accessible from the Start menu and appear side by side with regular applications--so there is minimal change to the user experience.

App1 is only xp compatible but needs to be available on win7 clients, it also needs to be centrally managed. So Med-V fits the needed requirements

Topic 16, Proseware, Inc Scenario

COMPANY OVERVIEW

Proseware, Inc. is a publishing company that has a main office and a branch office. The main office is located in New York. The branch office is located in Sydney. The main office has 5,000 users. The branch office has 1,000 users.

PLANNED CHANGES

Proseware plans to deploy a new 64-bit Application named App2 to 10 users in the branch office. Only members of the local Administrators group can run App2.

Proseware is evaluating whether to deploy virtual desktop pools. The virtual desktop pools must meet the following requirements:

-Apply the settings in GPO1 to the virtual machines (VMs).

-Prevent the VMs from receiving the Automatic Updates settings from GP02,

-Ensure that only the host VM is affected if a virtual hard disk (VHD) file becomes corrupt.

-

Minimize the amount of storage used to support the VMs.

-

Minimize the amount of memory and CPU resources used by the VMs.

-

Minimize administrative effort.

EXISTING ENVIRONMENT

All servers run either Windows Server 2008 or Windows Server 2008 R2. All of the client computers in the main office run Windows 7. All of the client computers in the branch office run

Windows XP (x86) with Service Pack 3 (SP3).

All of the client computers in the main office are configured as Microsoft Enterprise Desktop Visualization (MED-V) and Microsoft Application Virtualization (App-V) clients.

A two-node Hyper-V cluster is deployed in the main office. The cluster uses Clustered Shared Volumes.

Existing Active Directory/Directory Services

The network contains a single Active Directory domain named proseware.com. The functional level of the forest is Windows Server 2008.

The relevant organizational units (OUs) for the domain are configured as shown in the following table.

OU name	OU description
NYC	User accounts and computer accounts in the main office
SYD	User accounts and computer accounts in the branch office

A custom Group Policy object (GPO) named GPO1 is linked to the domain, GPO1 contains corporate computer security settings.

A custom GPO named GP02 is linked to both office OUs. GP02 contains Windows Server Update Services (WSUS) settings.

Existing Network Infrastructure

Each office has servers that have the following server roles or role services installed:

-WSUS

-Hyper-V

-File Services

-

Remote Desktop Web Access (RD Web Access)

-

Remote Desktop Session Host (RD Session Host)

-

Remote Desktop Virtualization Host (RD Virtualization Host)

-

Remote Desktop Connection Broker (RD Connection Broker)

REQUIREMENTS

Technical Requirements

When users interactively logs on to any of the client computers in the branch office, they must automatically receive the local administrator rights to that computer. When users logs off, they must lose the administrator rights.

The disk space on all file servers must be monitored. If any file server has less than 20% free disk space on a volume, a script must run that deletes temporary files.

Problem Statements

The main office has a shared folder named Legal. The Legal share is only accessed by users in the legal department. Legal department users report that it takes a long time to locate files in the Legal share by using keyword searches.

QUESTION 5

You need to recommend a highavailability solution for the file servers in Branch2 that supports the museum\\\'s planned changes. What should you include in the recommendation?

A. a standalone Distributed File System (DFS) namespace and DFS Replication

B. a domain-based Distributed File System (DFS) namespace and DFS Replication

C. Failover Clustering and Clustered Shared Volumes

D. Network Load Balancing (NLB) and Storage Manager

Correct Answer: B

Distributed File System (DFS)

DFS is a method of both simplifying your organization\\\'s shared folder structure and providing data redundancy through replication. DFS lets you collect shared folders located on different servers into one or more logically structured

namespaces. Rather than having to remember which server hosts a specific shared folder, they can access the DFS namespace and find all shared folders.

You can replicate a DFS namespace and folders within a site and across WAN links. A user connecting to files within the shared folder structures contained in the DFS namespace will connect automatically to shared folders in the same

Active Directory Directory Services (AD DS) site (when available) rather than across a WAN. You can have several DFS Namespace servers in a site and spread over several sites, so if one server goes down a user can still access files

within the shared folder structure. The architecture of DFS ensures that a change to a file on a DFS share is replicated

quickly and efficiently to all other replicas of that DFS share.

Creating a DFS Namespace

You can create a namespace when you install the DFS Management role service, as shown in Figure 10-2, or create it later.

You can add additional namespaces by right-clicking DFS Namespaces in the DFS Management console and selecting New Namespace. You can create namespaces on a member server or domain controller running Windows Server 2008.

However, you cannot create more than one namespace on a server running Windows Server 2008 Standard edition. You can create multiple namespaces on servers running Windows Server 2008 Enterprise and Datacenter editions.

A namespace is a virtual view of shared folders in an organization, and it has a path to a namespace similar to a Universal Naming Convention (UNC) path to a shared folder. You can

create two types of namespaces:

Domain-Based Namespaces

A domain namespace uses a domain as its namespace root, such as \\adatum.com\MyNameSpace. A domainbased namespace can be hosted on multiple namespace servers to increase its availability, and its metadata is stored in AD DS.

Domain-based namespaces can be created on one or more member servers or domain controllers in the same domain, and metadata for a domain-based namespace is stored by AD DS. Each server must contain an NTFS volume to host

the namespace. Multiple namespace servers increase the availability of the namespace. A domain-based namespace cannot be a clustered resource in a failover cluster. However, you can locate the namespace on a server that is also a

node in a failover cluster provided that you configure the namespace to use only local resources on that server.

Standalone Namespaces

A stand-alone namespace uses a namespace server as its namespace root, such as \\ServerA\MyNameSpace.

A stand-alone namespace is hosted on only one server. You would choose a stand-alone namespace if your organization does not use AD DS, if you needed to create a single namespace with more than 5,000 DFS folders but your

organization did not support Windows Server 2008 mode, or if you wanted to use a failover cluster to increase availability.

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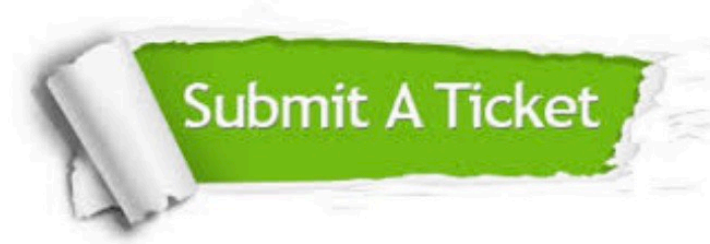Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

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