



70-647^{Q&As}

Windows Server 2008,Enterprise Administrator

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QUESTION 1

Your company has a main office and five branch offices. Each office contains servers that run Windows Server 2008 R2.

You need to prepare the environment for the installation of Active Directory domain controllers in the branch offices. The solution must meet the following requirements:

?Ensure that the minimum amount of replication traffic is sent between offices. ?Ensure that users always attempt to authenticate to a domain controller in their local office, unless it is unavailable.

You install the first domain controller on the network in the main office.

What should you do next?

- A. Disable the Bridge all site links option.
- B. Enable Universal Group Membership Caching.
- C. Create a site link and a site link bridge for each office.
- D. Create a subnet object and a site object for each office.

Correct Answer: D

To ensure that the minimum amount of replication traffic is sent between offices and that the users should always authenticate to their local domain controllers in their local office, unless the domain controller in their local offices is unavailable, you need to create a subnet object and a site object for each office. You should create sites for all locations in which you plan to place domain controllers and create subnet objects in AD DS for every IP subnet and subnet mask associated with each location. Subnet objects are used to represent all the IP addresses within the site

A well-designed site topology helps an organization to optimize the ability of client computers to locate the nearest resources, such as domain controllers and Distributed File System (DFS) servers. This helps client computers to authenticate to their nearest domain controllers.

Domain controllers use site information to inform Active Directory clients about domain controllers present within the closest site as the client. The domain controller also informs the client whether the chosen domain controller is the closest one to it. By finding a domain controller in the same site, the client avoids communications over WAN links. If no domain controllers are located at the client site, a domain controller that has the lowest cost connections relative to other connected sites advertises itself in the site that does not have a domain controller. The domain controllers that are published in DNS are those from the closest site as defined by the site topology. This process ensures that every site has a preferred domain controller for authentication.

Within sites, replication is optimized for speed--data updates trigger replication, and the data is sent without the overhead required by data compression. Conversely, replication between sites is compressed to minimize the cost of transmission over wide area network (WAN) links. When replication occurs between sites, a single domain controller per domain at each site collects and stores the directory changes and communicates them at a scheduled time to a domain controller in another site.

Reference: Creating a Site Design Deciding which locations will become sites

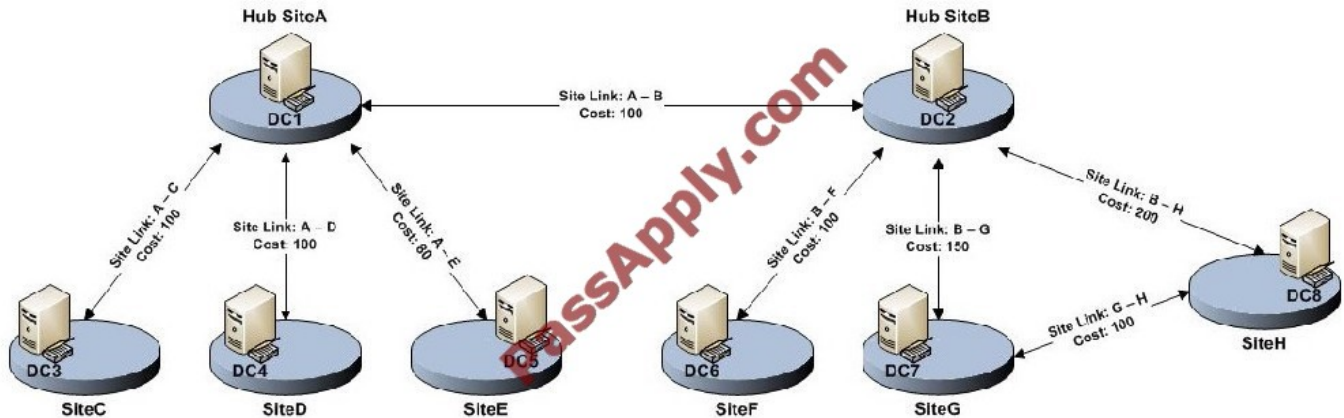
<http://technet2.microsoft.com/windowsserver2008/en/library/5ed8b9ca-e88a-4e06-a203-83d37b54d9bb1033.msp?mfr=true>

Reference: Site Functions <http://technet2.microsoft.com/windowsserver2008/en/library/5ed8b9ca-e88a-4e06-a203-83d37b54d9bb1033.msp?mfr=true>



QUESTION 2

Your network consists of one Active Directory domain. All domain controllers run Windows Server 2008 R2 and are configured as global catalog servers. The relevant portion of the network is configured as shown in the exhibit. (Click the Exhibit button.)



The Bridge all site links option is enabled.

You are designing a failover strategy for domain controller availability. You need to ensure that client computers in SiteH only authenticate to DC1 or DC2 if DC8 fails.

What should you do?

- A. Change the B-H site link cost to 50.
- B. Remove the global catalog server attribute from DC3, DC4, DC5, DC6, DC7, and DC8.
- C. Disable the Bridge all site links option. In SiteB, install a new writable domain controller that runs Windows Server 2008 R2.
- D. Prevent DC3, DC4, DC5, DC6, DC7, and DC8 from registering generic (non-site-specific) domain controller locator DNS records.

Correct Answer: D

To design a failover strategy to ensure the high availability of domain controllers and to ensure SiteH only authenticate to DC1 or DC2 if DC8 fails, you need to prevent the domain controllers of all the spoke sites from registering generic (nonsite-specific) domain controller locator DNS records.

Usually it is preferable that if all domain controllers/global catalogs in a satellite site become unavailable, a client that is searching for a domain controller/global catalog in that site will fail over to a domain controller/global catalog in a central hub and not in another satellite site.

To achieve this behavior, the domain controllers/global catalogs in the satellite offices should not register generic (non-site-specific) domain controller locator DNS records. These records are registered only by the domain controllers/global catalogs in the central hub. When clients cannot locate the domain controllers/global catalogs serving their site, they attempt to locate any domain controllers/global catalogs using these generic (non-site-specific) domain controller locator DNS records.



Reference: Section I: Hub-and-Spoke Topology <http://support.microsoft.com/kb/306602>

QUESTION 3

You need to recommend a solution for the Hyper-V servers that meets the company's technical requirements. What should you include in the recommendation?

- A. Host Failover Clustering
- B. Guest Failover Clustering
- C. Network Load Balancing (NLB) on the Hyper-V Servers
- D. Network Load Balancing (NLB) on the VMs

Correct Answer: A

REQUIREMENTS

Technical Requirements

Fabrikam must meet the following technical requirements:

- Minimize administrative effort.
- Support the use of Hyper-V live migration.
- Minimize the number of ports opened on all of the firewalls.
- Ensure that the VMs are available if a single host server fails.
- Minimize and control the amount of Active Directory replication traffic between the offices.
- Ensure that the users in the branch offices always authenticate to a local server when they log on.
- Ensure that the users are migrated to fabrikam.com can access the servers in research.fabrikam.com by using their current permissions.

PLANNED CHANGES

Fabrikam plans to implement the following changes in the fabrikam.com domain:

- In the main office, implement two Hyper-V servers.
- Migrate all of the user accounts from research.fabrikam.com to fabrikam.com.
- On the Hyper-V servers in the main office, deploy 20 virtual machines (VMs) that run Windows Server 2008 R2.
- In the perimeter network, implement a server that has the Routing and Remote Access service (RRAS) role service installed.

EXISTING ENVIRONMENT

Fabrikam.com contains application servers that run either Windows Server 2003, Windows Server 2008 Service Pack 2 (SP2), or Windows Server 2008 R2. All of the application servers run services that use domain user accounts as service accounts.

Each branch office contains the following servers:

- A domain controller for fabrikam.com that runs a 32-bit version of Windows Server 2008 SP2
- A member server that runs Windows Server 2008 R2 and has the Hyper-V server role installed

QUESTION 4

You deploy servers that run Windows Server 2008 on the network. You plan to deploy a client/server application. You plan to install the server component of the application on application servers.

You plan to install the client component of the application on all computers that run Windows Vista. The client component connects to the server component by using only RPC. After testing, you discover that an RPC time-out error occurs

when the client component connects to the server component through a network link that has high latency. You need to



provide a solution so that users can connect to the application through the Internet without receiving an RPC time-out error.

What should you do?

- A. Install RPC over HTTP Proxy. Create a proxy connection to the application servers.
- B. Install Microsoft Internet Security and Acceleration (ISA) Server 2006 and enable RPC filtering.
- C. Install Terminal Services, Terminal Services Gateway (TS Gateway), and the client component of the client/server application on the terminal server.
- D. Configure the Routing and Remote Access Service (RRAS). Configure all users to connect to the application servers from the Internet by using virtual private network (VPN) connections.

Correct Answer: C

The RPC time-out error was occurring on connecting the client component to the server component by using RPC because the network link had a high latency. To get rid of the RPC time-out error, you need to install Terminal Services, TS Gateway, and the client component of the client/server application on the terminal server

Terminal Services delivers applications and data via the Remote Desktop Protocol (RDP), an optimized transport mechanism low bandwidth. Traditional client server applications that slow end-user productivity over a slow network connection, receive a performance boost when delivered via Terminal Services to remote users

Reference: Remote Desktop Protocol http://209.85.175.104/search?q=cache:YHRCTn8lepAJ:download.microsoft.com/download/b/b/5/bb50037f-e4ae-40d1-a898-7cdfcf0ee9d8/TERMINAL_SERVICES/TS-TDM-Scenario-RemoteAccessScenario.docx+Terminal+Services,+TS+Gateway,+client/server+applicationandhl=enandct=clnkandcd=15andgl=in

QUESTION 5

You need to recommend changes to the Active Directory infrastructure to ensure that each user is redirected to file replicas in his or her local office. What should you include in the recommendation?

- A. Use additional connection objects.
- B. Use a domain-based Distributed File System (DFS) namespace.
- C. Place computer objects in the same AD sites as the local servers.
- D. Use additional site objects.

Correct Answer: C

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