Tankeekperiment / Repetisjon – DSOslo2023

Skriv stikkord – nok til at du kan komme med innspill når vi går gjennom i plenum!

Oppgavene som er markert i rødt er ting vi ikke har snakka noe særlig om, og som IKKE er pensum.

Jobb gjerne sammen!

# Scenario 1

Adatum has 2,000 workstations running Windows 8.1.   
The company plans to implement Windows 10. Adatum management wants to minimize the effects of the changes and it intends to roll out the new operating system over a weekend.   
All computers are less than two years old and must be running Windows 10 Enterprise at the end of the project.

As a consultant for Adatum, answer the following questions:

**1. What is the most appropriate method for Adatum to implement Windows 10?**

**2. How can you reassure management whether devices meet the minimum system requirements?**

**3. What deployment method could you use to minimize the disruption to Adatum employees?**

**4. How would you plan to activate the devices once they are running Windows 10?**

# Scenario 2

Adatum has recently implemented Microsoft 365 Business with all devices using Windows 10 Pro.   
The company has a head office with 200 people using desktop computers, a branch office where 25 members of the design team work, and a remote salesforce of 50 people.   
Each member of the sales team uses a Surface Pro device. Adatum is concerned about security, especially on the mobile devices.  
  
Members of the sales and finance teams need to access the Adatum intranet to produce quotes and manage sales orders. The intranet does not display properly using Microsoft Edge.

Answer the following questions to address Adatum concerns:

**1. What sign-on method would you recommend for the mobile devices?**

**2. What encryption technology could you implement on the mobile devices?**

**3. How would you recommend the sales and finance team access the Adatum intranet website?  
4. What feature would you recommend if the sales team wanted to browse NSFW websites and still maintain their privacy?**

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# Scenario 3

Adatum has 3,000 workstations currently running Windows 10. Most of the users belong to the Active Directory domain, but 50 research engineers in the R&D department do not. The research engineers need to access special 3D printing hardware that is located within their secure area. Adatum needs to ensure that only the research engineers can use the specialized printing devices.

As a consultant for Adatum, answer the following questions:

**1. What type of group will you use for the research engineers?**

**2. How will you ensure that only the research engineers are able to print to the 3D printer?**

**3. You find that a user has been using the 3D printer for personal use outside of normal office hours. How would you investigate this matter?**

**4. What measures could you undertake to reduce the likelihood of users printing outside of normal office hours?**

# Scenario 4

You have been hired to deploy Windows 10 at a new office for Adatum Corporation. The office was a greenfield site with no computer infrastructure, and it only has the network cabling and wireless infrastructure (which was installed by a contractor). You must help plan and implement networking services at the new location and verify that all equipment is working on the network

As a consultant for Adatum, answer the following questions about networking:

1. **You connected a number of devices to the wireless APs in the new building. They seem to be connected, but you want to verify that they can communicate with each other. Is it true that the Test-Connection Windows PowerShell cmdlet is the equivalent of the Ping commandline tool?**

1. **You want to be able to view the current network configuration of the installed laptops in the new building. Which of the following commands enable you to do this?**

**A. Ping**

**B. Tracert**

**C. NSlookup**

**D. IPconfig**

**E. Get-NetIPAddress**

**F. Netsh**

1. **You are troubleshooting name resolution to the LON-DC1 domain controller. You suspect a problem might reside with the configured DNS server that was just installed at the site. If you create an entry for LON-DC1 in the local Hosts file of a test computer running Windows 10, which is used first, the DNS server or the local resolver cache?**

1. **You have been asked to set up a VPN solution for some users who want to work from home. Which VPN tunneling protocols can you use with Windows 10?**

1. **You notice that one of your computers has an IPv4 address that starts 169.254. What could this mean**

# Scenario 5

You have recently implemented a new network-shared storage facility for your organization. This storage is formatted using NTFS and has been shared to groups containing users within Active Directory. Users of the design department will use the local storage to store CAD drawings in two folders: Current Projects and New Projects. The files within the New Projects folder are confidential. You notice that users who are not part of the design department are able to access the CAD files.

You must ensure that the network-shared storage facility is accessed by the design department personnel only.

Answer the following questions for your manager:

1. **How will you ensure that only design department personnel can access the storage?**
2. **What share-level permissions should you grant on the storage?**
3. **You need to confirm to your manager that members of the organization who are not in the design department do not have access to the files contained in the storage. How will you reassure your manager?**
4. **You need to provide an audit trail of the access to the New Projects folder. How will you proceed?**

# Scenario 6

You want to use the Backup And Restore (Windows 7) tool to create a backup of your files contained on your computer to a removable USB hard drive or SDHC memory card. You want to create a custom schedule. Answer the following questions relating to the Backup And Restore (Windows 7) tool:

1. **What is the default backup schedule for the Backup And Restore (Windows 7) tool?**
2. **How would you modify the schedule so that you can be more specific? For example, say you want to back up the data every 30 minutes.**
3. **What triggers are available that could be used to begin the backup task?**
4. **You no longer want to use the Backup And Restore (Windows 7) tool for your Windows 10 Pro tablet. What built-in backup tool could you use instead? How could the data be safeguarded from theft?**

# Scenario 7

Your company has recently upgraded half of its computers from Windows 7 to Windows 10 Pro.   
Staff members use Office and a web-based line-of business application.   
The help desk manager has received several complaints from users who state a variety of problems following the upgrade, including that the following:

- Their computers are slow.   
- Apps stop responding.   
- Websites are slow to load.

The remaining Windows 7–based computers do not exhibit the same issues. You need to offer the help desk some advice on how to diagnose these problems and recommend how to resolve them as soon as possible.

Answer the following questions from the help desk:

1. **Why might the computers be slow after the upgrade?**
2. **Which tool could you recommend to assist the help desk support members verify which apps are freezing?**
3. **You suspect that the network card could be a performance bottleneck. How could this suspicion be tested?**
4. **How would a network card bottleneck present itself?**

# Scenario 8

You work as a desktop support technician. Your Windows 10 deployment for 5,000 devices is now complete, and you are now busy supporting your users. Answer the following questions about using advanced management tools and techniques for your organization:

1. **You find that you are repeatedly performing the same management task on multiple computers. At the moment, you use several customized Microsoft Management Consoles to perform the required tasks. How could you achieve this more easily?**
2. **A number of users are experiencing problems with their computers. You determine that the issue relates to a service that occasionally stops and is then restarted. Where can you track information about this problem?**
3. **What command-line tools can you use for managing services?**

# Scenario 9

You work in support at Adatum Corporation. Many of your users work in small branch offices. Some work from home, using work laptops. It is important for you to be able to manage these users’ computers remotely. As a consultant for Adatum, answer the following questions about remote management in the Adatum organization:

1. **One of your users phones the help desk, requiring assistance with an application. They need to know how to perform a grammar check with Microsoft Word 2019. They are not very experienced, and despite your best efforts and explanation of how the process works, they are still confused. What remote management tool might you consider using in this situation?**
2. **Another user calls the help desk. They’ve lost a file and need you to locate it. They’re due to leave the office for a conference this afternoon, and they tell you that’s the best time for you to resolve the issue. What remote management tool would you use?**

1. **You try to connect to this user’s computer later that afternoon, but despite knowing that the necessary Windows Firewall settings are configured, you cannot connect. Why?**