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Topic: Lab 3

Screenshot 1:

A screenshot of a computer

Description automatically generated

Screenshot 2:

A screenshot of a computer

Description automatically generated

Screenshot 3: A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Screenshot 4:

A screenshot of a computer

Description automatically generated

Screenshot 5:

A screenshot of a computer

Description automatically generated

Screenshot 6:

A screenshot of a computer

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A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Screenshot 7:

A screenshot of a computer

Description automatically generated

Screenshot 8:

A screenshot of a computer

Description automatically generated

Additional Questions:

Question 1:

The default setting of “Inherited Permissions” is necessary to remove because it would help restrict the access to “B:\Data\Finance” folder and will allow to set NTFS rights. The permissions important to the parent folder are automatically applied to the child folder when inherited. In order to bypass the inheritance one needs to delete the inherited rights and grant “Finance” folder explicit permissions in order to limit the access.

Question 2:

While performing mapping to a shared folder at a specific local drive automatically the Group Policy Objects provides a lot features in comparison to manual steps. To perform this one may use GPO for the following reasons:

1. Centralised Consistency: Group Policy allows you to manage the domain drive mapping in a centralized manner for multiple users or computers in an organization. GPO allows us to configure drive mapping for all computers at one place. This eliminates the risk of error while configuration and ensures consistency on every device.
2. Security: GPO allows us to implement fine grained access controls and enforces security policies throughout the organization. It also ensures secure connections between different devices of the organization and makes sure that specific users have access to specific files.

Question 3:

In windows server domains 7 characters is set as default for minimum passwords. If we would not have changed the minimum passwords character to 8 characters, then it would have stayed as 7 characters for all the user domain under SLC Policy.

Question 4:

* Share tab on the “B:\Data\Finance” folder (“Advanced Security Settings for Data” window) and add it team’s AD group to have read-only access to the folder to audit.

• Effective Permissions Tab on the “B:\Data\Finance” folder (“Advanced Security

Settings for Finance” window) to review and verify the activity.

Question 5:

Using Access Based Enumeration(ABE) users access are hidden in a shared location for specific files and folders. This provides high level security across the organization and channelizes the folder hierarchy in order to make sure that users have access to what they’re authorized to.

Question 6:

The following are the benefits of Data Deduplication:

* Network Efficiency: It helps with fast data replication in any possible bandwidth scenario.
* Data Integrity and Recovery: Restoration and data loss prevention is a great feature that is provided for Data Deduplication.
* Bandwidth Savings

Question 7:

Disadvantages:

* This needs to have sufficient CPU and memory capacity to identify and eliminate duplication.
* Possibility of unique copy of data being corrupt and data duplication which leads to more disk space.