

Experiment - 7

AIM :

Add a backup feature in windows server.

THEORY :

Backup : Backup is the process of creating a duplicate copy of data or files to protect against data loss or corruption.

Backups are essential for data recovery in case of hardware failure, software failure, human error, cyber attack or natural disaster.

Windows Server Backup :

Windows server backup is a feature in windows server 2016 that can be installed OS feature and allows you to backup data on your server to a local or network location. It is a reliable tool for protecting your server data and recovering it in the event of a disaster.

It also provides features such as recovery options, backup notifications and backup tags to help you manage and your backups efficiently.

PROCEDURE :

1. Create new volume for backup.
 - i) On search box, search for computer management.
 - ii) Within computer management click on storage → Disk management.
 - iii) Right click on volume (C:) and select shrink volume.
 - iv) A shrink dialogue box appears within.
 - v) Enter the amount of space to shrink, reduce it to 5000.
 - vi) Right click on it and select create new simple volume.
 - vii) A new simple volume wizard will open, without doing any changes keep clicking on next.
 - viii) At final page, click on Finish, new volume (F:) is created.

2. Creating Schedule Backup
 - i) On server manager, click on tools and select window backup.

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- ii) Within local backup, select backup schedule.
- iii) A backup wizard will open.
- iv) Within 'select backup configuration', select custom and click on next.
- v) Select items for backup by clicking on 'Add items'.
- vi) Within 'Specify backup Time', select time for run backup and click on next.
- vii) Within 'Specify destination type' select backup to a volume and click next.
- viii) Add new volume F and next.
- ix) A configuration page will open with all the configuration and setting, click on next.
- x) Schedule backup will be created.

3. Creating Backup Once

- i) On server manager, click on tools and select window server backup.
- ii) Within local backup, select backup once.
- iii) A backup once wizard will open.
- iv) Within Backup options, select different options and click on next.
- v) Within select backup configuration,

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- Select system and click on next.
- vi) Select items for backup and next.
- vii) Select local drives in 'Select destination type'.
- viii) Select Backup destination as new volume E.
- ix) A configuration page will open, click on Backup and proceed further.
- x) After certain instance, backup will be done. Click on Close.

OUTPUT :

Both backup once and schedule backup is done successfully in newly created volume E.

Learning Outcomes

- Learned how to add server backup feature in windows server.
- Learned how to create new volume.
- Learned how to schedule backup.
- Learned about different functionalities of windows server backup.

10/05/23

Teacher's Signature :

Experiment - 10

AIM :

Install active directory domain service
in windows 2008.

Theory :

Active directory domain service (ADDS) is a server role in Active directory that allows admins to manage and store information about resources from a network, as well as application data, in a distributed database.

ADDS helps admins manage network elements — both computing devices and users and reorder them into a custom hierarchical structure.

Procedure :

i) ~~Navigate to the Windows server manager.~~

ii) click on Add roles and Features. It will open a new wizard, click next.

iii) select the server from server pool and click next.

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- iv) In server roles click check box to select Active directory domain service. Read the description about it and click next.
- v) On the pop up window just click Add features.
- vi) On the description window of active directory domain services click next.
- vii) Click install on confirmation window and after installation is completed click next.
- viii) Now after installation, you can promote this server to a domain controller.
- ix) Click on post deployment configuration.
- x) Select add a new forest and give the root domain name and click next.

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xi) Enter the directory services restore mode password. Enter password confirm pass and click next.

xii) Ignore the warning message and click on next.

xiii) Use the default Net BIOS domain name and click next.

xiv) Use the default path and click next.

xv) Review and click next if no errors.

xvi) Click install and the domain controller is now set up.

Learning Outcomes

- Learned about active directory service.

- Learned about installation and of ADDS.

Domain setup