

Module 4 Assessment (SK0-005)

Due May 7 at 11:59pm	Points 20	Questions 20
Time Limit 45 Minutes	Allowed Attempts 2	

Instructions

You have two attempts to take this assessment with the highest score being retained. The assessment has a time limit of 45 minutes.

Suggestion: take the assessment at the beginning of the module and then after the reading and assignments are done. You can then use the results of both to gauge your learning and retention.

Attempt History

	Attempt	Time	Score
KEPT	Attempt 2	6 minutes	20 out of 20
LATEST	Attempt 2	6 minutes	20 out of 20
	Attempt 1	21 minutes	17 out of 20

Score for this attempt: **20** out of 20
Submitted May 7 at 11:03pm
This attempt took 6 minutes.

Question 1

1 / 1 pts

Which windows command line tool is used to compress files?

☐ Compress

☐ Shrink

☐ Reduce

☒ Compact

Correct!

Question 2**1 / 1 pts**

What does rotational latency refer to?

- ☐ The speed at which disk platters spin
- ☐ The amount of time it takes to find data on a disc
- ☒ The amount of time it takes for platters to spin to the correct position
- ☐ The number of IO operations per second

Correct!**Question 3****1 / 1 pts**

Which raid level is disk mirroring?

- ☐ RAID 0
- ☒ RAID 1
- ☐ RAID 5
- ☐ RAID 6

Correct!**Question 4****1 / 1 pts**

Your server's dated disk is running low on disk space. Until more storage is available, what is a temporary solution?

Correct!

- ☐ Backup data and then delete it from the server.
- ☐ Enable volume shadow copies.
- ☒ Use compression.
- ☐ Delete log files.

Question 5**1 / 1 pts**

What can storage administrators configure to control server access to network storage?

Correct!

- ☐ Network ACLs
- ☐ Server encryption
- ☐ File encryption
- ☒ LUN masking

Question 6**1 / 1 pts**

Which of the following disk interfaces uses parallel transmission?

Correct!

- ☐ SATA
- ☐ USB
- ☒ SCSI
- ☐ SAS

Question 7**1 / 1 pts**

Which term is used to describe the speed at which hard disk platters spend?

☐ Seek time☐ Spin time☐ RAM☒ RPM**Correct!****Question 8****1 / 1 pts**

Server1 currently has 4TB of disk space with 70% of the space being used. Your IT director suspects that disk space requirements will increase by 25% yearly over the next two years as compared to current consumed disk space on server1. How many additional 4TB hard disks should you order to accommodate Server1 over the next two years?

☐ 0☒ 1☐ 2☐ 3**Correct!****Question 9****1 / 1 pts**

Users complain that they are receiving messages on their desktops about the server running out of disk space. After investigating, you discovered that some users are storing numerous large files in their home accounts on the file server. You would like to limit how much users can store in their accounts. What should you configure?

Correct!

- ☒ Disk quotas
- ☐ Volume shadow copy
- ☐ Compression
- ☐ RAID 5

Question 10**1 / 1 pts**

Your server is currently configured for RAID 1. You would like to stripe the mirror across disks for increased performance. What should you configure?

Correct!

- ☐ RAID 0
- ☐ RAID 5
- ☒ Raid 10
- ☐ Software RAID

Question 11**1 / 1 pts**

Which RAID level can tolerate up to two simultaneous disk failures?

Correct!

- ☐ RAID 0
- ☐ RAID 1
- ☐ RAID 5
- ☒ RAID 6

Question 12**1 / 1 pts**

Your database server contains 3 disks and has been performing terribly. He would like to configure raid to improve disk performance, but some fault tolerance must be included. What should you configure?

Correct!

- ☐ RAID 0
- ☐ RAID 1
- ☒ RAID 5
- ☐ RAID 6

Question 13**1 / 1 pts**

What is thin provisioning?

Correct!

- ☒ Overcommitting disk space, volumes grow as needed.
- ☐ Under committing disk space, volumes have fixed size.
- ☐ Volumes have fixed size that must be accommodated by disk space.

- ☐ Under committing disk space, volumes grow as needed.

Question 14**1 / 1 pts**

Which Windows Server requirement must be met before using user disk space quotas?

Correct!

- ☒ NTFS must be used.
- ☐ EFS must be used.
- ☐ The server must be joined to Active Directory.
- ☐ Users must be placed into domain local groups.

Question 15**1 / 1 pts**

Which term collectively refers to a Fibre Channel topology?

Correct!

- ☐ Star
- ☐ Switched storage
- ☒ Fabric
- ☐ Switch fabric

Question 16**1 / 1 pts**

Which disk speed factor does not apply to SSDs?

Correct!

- ☐ IOPS
- ☐ Capacity
- ☒ Rotational latency
- ☐ Transfer rate

Question 17**1 / 1 pts**

Your server environment requires the ability to replace a failed disk while systems remain running. What type of disk system must you use?

Correct!

- ☒ Hot-swappable
- ☐ UEFI
- ☐ Drive-swappable
- ☐ RAID

Question 18**1 / 1 pts**

How does a SAN differ from NAS?

- ☐ There is no difference.
- ☐ SANs use IP and NAS does not.
- ☐ SANs are local server storage and NAS is not.

Correct!

SANs that use specific block IO protocols and NAS uses standard file sharing protocols.

Question 19**1 / 1 pts**

You plan to add SSD to your network storage array. What benefits will be realized with this addition? (Choose two.)

Correct!

SSD have no need for additional HVAC.

Correct!

SSD make less noise than HDDs.



SSD have a larger capacity than HDDs.



SSD cost less than HDDs.

Question 20**1 / 1 pts**

Identify the windows supported file systems. Choose two.



eFAT

Correct!

ReFS



XFS

Correct!

NTFS

Quiz Score: 20 out of 20