

# C9060-509<sup>Q&As</sup>

IBM Tivoli Storage Manager V7.1 Fundamentals

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### QUESTION 1

What controls the flow of data from a primary random disk storage pool to a sequential tape storage pool?

- A. migration
- B. expiration
- C. motivation
- D. integration

Correct Answer: B

Explanation: The expiration process frees up storage pools space by marking files for deletion once they have reached a predefined retention period. It also frees the database of entries, which helps manage the size of the database.

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### QUESTION 2

IBM Tivoli Monitoring for IBM Tivoli Storage Manager (TSM) includes which three components?

- A. IBM DB2
- B. TSM Proxy Agent
- C. TSM Collection Agent
- D. Tivoli Data Warehouse
- E. TSM Enterprise Server
- F. Tivoli Enterprise Portal Server

Correct Answer: DEF

Explanation: Tivoli Monitoring consists of a number of components that accumulate and monitor historical data for reporting: / IBM Tivoli Enterprise Portal / IBM Tivoli Enterprise Management Server / Tivoli Data Warehouse

IBM Tivoli Monitoring consists of Hub Tivoli Enterprise Monitoring Server (hTEMS), Remote TEMS (rTEMS), Tivoli Enterprise Portal Server (TEMS) and Tivoli Data Warehouse (DW).

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### QUESTION 3

What is the main difference between backup and archive?

- A. Backup is only for databases.
- B. Backup is run daily and archive is not.
- C. Backup goes to disk and archive goes to tape.

D. Backup provides versioning and archive does not.

Correct Answer: D

Explanation: There are two copy groups that can be defined within a management class, the Backup copy group and the Archive copy group. The key difference between the two can be summarized in one word, versions. The backup feature keeps and maintains versions of backup data whereas the archive feature retains a long term copy of data without storing or maintaining versions.

Reference: Differences between Backup versus Archive versions

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#### QUESTION 4

Which two types of operations are available on the IBM Tivoli Storage Manager Backup- Archive GUI?

- A. update policies
- B. restore inactive files
- C. backup selected files
- D. update TSM client schedules
- E. control migration and recall of files

Correct Answer: CD

Explanation: C: Use a selective backup when you want to back up specific files or directories regardless of whether a current copy of those files exists on the server

D: With client scheduling, you can perform the following tasks:

\*

Display information about available schedules.

\*

Display information about work that the schedule has completed.

\*

Modify scheduling options in the client options file (dsm.opt).

Reference: Storage Manager for Windows Backup-Archive Clients

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#### QUESTION 5

What does the message ANR\*\*\*W format indicate?

- A. This is a client warning message.
- B. This is an informational message.

- C. This message was posted Wednesday.
- D. This is a Tivoli Storage Manager server warning message

Correct Answer: D

Explanation: Server ANR messages list. Examples:

ANR0107W: Source file(line number): Transaction transaction ID was not committed due to an internal error.

ANR0115W: The server script script name attempted to start more parallel commands than are allowed for a single script. A single script is limited to parallel command limit parallel commands.

ANR0116W: The server script script name attempted to start more parallel commands than are allowed for the server. The server is limited to parallel command limit parallel commands.

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## QUESTION 6

Which three resources are used to investigate the reasons for an IBM Tivoli Storage Manager Backup-Archive client scheduled backup failure?

- A. actlog
- B. dsmserv.log
- C. dsmdir.log
- D. dsmserv.dsk
- E. dsmdirclient.log
- F. dsmsched.log

Correct Answer: BCF

Explanation: C: Review the dsmdir.log file (and dsmsched.log file for scheduled events) to determine what error messages were issued and to assess their impact on the operation.

F: The dsmsched.log file contains status information for the Tivoli Storage Manager scheduler service.

B: Example: root@ARTIST:/home/adsm/adsmconf/logs # tail dsmserv.log

```
1020916-050916: ANR0406I Session 5711 started for node ARTIST_DB2 (DB2) (Tcp/ Iroot@ARTIST:/home/adsm/adsmconf/logs
1020916-060056: ANR4554I Backed up 8736 of 11705 database pages.
1020916-060100: ANR4554I Backed up 10192 of 11705 database pages.
1020916-060104: ANR4554I Backed up 11648 of 11705 database pages.
1020916-060105: ANR1361I Output volume 04EDB0 closed.
1020916-060105: ANR4550I Full database backup (process 847) complete, 11705 pages copied.
1020916-060105: ANR0985I Process 847 for DATABASE BACKUP running in the BACKGROUND completed
1020916-060105: with completion state SUCCESS at 06:01:05.
1020916-060109: ANR8336I Verifying label of 3570 volume 04EDB0 in drive RMT0 (/dev/rmt0).
1020916-060126: ANR8468I 3570 volume 04EDB0 dismounted from drive RMT0 (/dev/rmt0) in library
1020916-060126: MAGSTARMP.
```

#### QUESTION 7

Which two statements are true regarding a client schedule being manually launched in the Operations Center?

- A. The client must be in schedule polling mode.
- B. The client must be using immediate action schedules.
- C. The client must be defined through the Operations Center.
- D. The client must be using server-prompted scheduling mode.
- E. The client must be associated with a Tivoli Storage Manager schedule.

Correct Answer: CE

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#### QUESTION 8

Which statement is true about node replication?

- A. Only Backup-Archive data can be replicated.
- B. Node data can be replicated to multiple targets.
- C. Node replication does not support deduplication.
- D. Replicated data may be encrypted during transmission.

Correct Answer: C

Explanation: Replication processing involves the interaction between replication rules, states, and modes. Data deduplication and the updating of client node attributes are also factors in node replication processing.

Incorrect: not A: You can replicate the following types of client node data: Active and inactive backup data together, or only active backup data Archive data Data that was migrated to a source replication server by Tivoli Storage Manager for Space Management clients

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#### QUESTION 9

What is meant by the server option Dedup Requires Backup?

- A. The client must back up deduplicated data.
- B. Only copy storage pools can be enabled for deduplication.
- C. The database must be backed up prior to deduplication taking place.
- D. The duplicated data will be freed after a successful storage pool backup is run.

Correct Answer: D

Explanation: The DEDUPREQUIRESBACKUP option specifies whether volumes in primary sequential-access storage pools that are set up for deduplication can be reclaimed and whether duplicate data can be discarded before the storage pools are backed up.

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#### QUESTION 10

What is meant by the archive option, RETVER=365?

- A. Retain archive data for 365 days.
- B. Retain 365 archive versions of this file.
- C. Retain 365 backup versions of this file.
- D. Migrate the file back to the customer's server after 365 days.

Correct Answer: A

Explanation: You can control the period for which migration copies are stored in Tivoli Storage Manager storage. If you accept the installed-default data management policy, migration copies can be deleted from Tivoli Storage Manager storage in one year.

RETVer determines the number of days to retain a migration copy.

When the retention period specified by RETVer ends, the Tivoli Storage Manager server marks the file for deletion.

Reference: IBM Tivoli Storage Manager HSM for Windows,, Configuring the retention period of migration copies

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#### QUESTION 11

What occurs in the IBM Tivoli Storage Manager (TSM) Operations Center V7.1 when the command set status skip as failure off type=vm is set in the TSM server?

- A. Reporting for virtual systems is disabled.
- B. Monitoring of back up data for virtual systems is disabled.
- C. Virtual systems with files skipped during backups are no longer evaluated for at risk status.
- D. Virtual systems that missed the scheduled backup are no longer evaluated for at risk status.

Correct Answer: C

Explanation: Disable at-risk evaluation for virtual system client types Disable the at-risk evaluation for virtual systems client types by issuing the following command:

```
set statusskipasfailure off type=vm
```

Note: SET STATUSSKIPASFAILURE (Specifies whether to use client at-risk skipped files as failure evaluation)

Use this command to enable the status monitor to consider clients as at risk when evaluating the status for each client.

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#### QUESTION 12

What does the preschedulecmd option accommodate?

- A. It enables deduplication on the client.
- B. It tests out a schedule prior to running.
- C. It gives this schedule higher priority over other schedules.
- D. It executes an operating system command before the scheduled action.

Correct Answer: D

Explanation: The preschedulecmd option specifies a command that the client program processes before it runs a schedule. The client program waits for the command to complete before it starts the schedule.

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#### QUESTION 13

There is a requirement to provide hot backups for a physical machine running Microsoft Exchange Server 2010. What is a prerequisite?

- A. Update the VSSPOLICY in the dsm.opt file to specify a management class.
- B. Install IBM Tivoli Storage Manager for Mail on the same system as the Exchange server.
- C. Update power shell cmdlets to include the IP address of the IBM Tivoli Storage Manager server.
- D. Stop the Exchange host controller service, start the incremental backup, and start the Exchange server.

Correct Answer: B

Explanation: As a practice, the following are definitions and allowable actions concerning the copy of the program used for backup purposes.

Hot: A copy of the program may reside for backup purposes on a machine, is started, and is doing work. The customer must acquire a license or entitlements for this copy and there will generally be an additional charge. Cold: A copy of the program may reside, for backup purposes, on a machine as long as the program is not started. There is no additional charge for this copy. Warm: A copy of the program may reside for backup purposes on a machine and is started, but is idling, and is not doing any work of any kind. There is no additional charge for this copy.

Reference: Storage Manager for Mail, Data Protection for Microsoft Exchange Server, Installation and User's Guide

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#### QUESTION 14

What is the purpose of the VirtualNodename option?

- A. To restore or retrieve files from UNIX to Windows.
- B. To restore or retrieve files from another workstation.
- C. To transfer the IBM Tivoli Storage Manager (TSM) backup/restore client node password information to a system.
- D. To automatically allocate the same amount of space on the target TSM backup/restore client.

Correct Answer: B

Explanation: The virtualnodename option specifies the node name of your workstation when you want to restore or retrieve files to a different workstation.

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#### QUESTION 15

Which task or process might be included in a server administrative schedule?

- A. Shred disk
- B. Promote disk
- C. Ingest inventory
- D. Expire inventory

Correct Answer: D

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