

Cohesity Certified Protection Professional – NetBackup Certification Exam Preparation Guide

Introduction

The Cohesity Protection Professional - NetBackup certification exam is designed to validate individuals have the knowledge and skills necessary to install, configure, deploy, manage and administer, and perform basic troubleshooting of NetBackup environments.

Target Audience

The Cohesity Protection Professional - NetBackup certification exam is designed for roles, such as:

- System Administrators
- System Engineers
- IT or System Architects
- Operations Personnel
- NetBackup Administrators
- Pre-Sales Engineers
- Implementation Consultants
- Technical Support Engineers

Products, solution areas and capabilities covered

- Cohesity NetBackup for VMware
- Cohesity NetBackup Snapshot Manager

Recommended Training, Knowledge, and Hands-On Experience

- Experience before taking the exam:
 - Recommended 9 months experience administering or supporting NetBackup
 - Troubleshoot or diagnose basic NetBackup issues
 - Access and install NetBackup release updates
 - Manage and configure VxUpdate for automated upgrades
 - Access NetBackup documentation and the online Knowledge Base
- Configure a backup of the NetBackup catalog
- Modify basic NetBackup behavior using host properties (e.g., jobs per client, general attributes, media overwrite)
- Configure Storage Lifecycle Policies including AIR
- Configure Protection Plans
- Perform restores for file systems and VMware
- Describe NetBackup product features, options, transport modes, and advanced file system backup methods
- Configure devices, storage units, volumes, and volume pools using the NetBackup Administration Console
- Manage NetBackup security certificates
- Describe basic NetBackup architecture
- Configure storage servers and disk pools including media server and client-side deduplication
- Configure backup policy attributes, schedules, clients, and backup selection lists
- Run and monitor backups, duplications, replications and restores
- Monitor daily activity and availability of the NetBackup environment by analyzing reports and reviewing activity logs
- Manage and maintain disk storage devices
- Configure Anomaly and Malware Detection
- Describe the functionality of NetBackup Appliances
- Monitor, configure and manage NetBackup Appliances including Appliance Shell Menu (CLISH) and Appliance Web Console
- Describe the functionality of the Appliance Management Server (AMS)

- Study materials:
 - Cohesity and industry-standard documentation relevant to exam domain topics, including official product manuals, technical guides, and Knowledgebase articles
 - Cohesity NetBackup User Guide
 - Cohesity NetBackup Administrator Guides
 - Cohesity NetBackup Release Notes
 - Cohesity NetBackup Web UI Administrator's Guide
 - Cohesity NetBackup Web UI Cloud Administrator's Guide
 - Cohesity NetBackup Security and Encryption Guide
 - Cohesity NetBackup AdvancedDisk Storage Solutions Guide
 - Cohesity NetBackup for VMware Administrator's Guide
 - Cohesity NetBackup Deduplication Guide
 - Cohesity NetBackup Troubleshooting Guide
- Cohesity courses:
 - Veritas NetBackup 11.0: Administration - 5-day (ILT/eLearning)
 - Veritas NetBackup 10.0: Advanced Administration - 5-day (ILT/eLearning)

Exam Domains/Topics

Section 1 – Configure NetBackup (31%)

- Describe how to configure various primary/media/client settings and host properties, including Security Certificates
- Describe how to configure disk storage, cloud storage and storage unit groups
- Describe how to configure and utilize backup policies and protection plans
- Explain how to implement specialized backup solutions including synthetic backups, True Image Restore (TIR), multiple data streams, checkpoint restart, and the use of backup duplication solutions such as disk staging, Storage Lifecycle Policies, Auto Image Replication, Isolated Recovery Environment (IRE) and NetBackup Accelerator

- Describe the function, uses, configuration, and administration of the NetBackup deduplication options, such as media server deduplication, client-side deduplication, optimized duplication, KMS Options, MSDP Cloud Storage, WORM storage, Universal Shares, Snapshot Manager, and storage servers
- Describe how to perform catalog backup configuration tasks

Section 2 – Monitor and Maintain NetBackup (36%)

- Describe image management concepts and how to use the NetBackup Administration Console to verify, expire, import, and manually duplicate backup images
- Describe how to manage NetBackup disk and cloud storage
- Interpret available reports to verify and monitor NetBackup
- Describe how and when to prioritize, cancel, suspend, resume, restart, retry or manually run backup and duplication jobs
- Describe how to initiate, prioritize and monitor NetBackup restore tasks
- Describe how to manage NetBackup Security (e.g., RBAC, host ID certificates)
- Describe how to install updates (e.g., VxUpdate)
- Describe how to configure, manage and use Anomaly Detection and Malware Detection

Section 3 – Tune NetBackup (10%)

- Analyze, optimize and tune NetBackup

Section 4 – Troubleshoot NetBackup (23%)

- Interpret status codes and job details in order to diagnose and troubleshoot failed jobs
- Troubleshoot devices and media, including connectivity between primary, media, and client servers
- Troubleshoot common issues related to NetBackup disaster recovery, including recovering the NetBackup catalog

Recommended Preparation

In addition to the recommended training, reference study materials, and hands-on experience, this document includes practice test questions to help candidates prepare for the Cohesity Certified Protection Professional - NetBackup certification exam.

Exam Details

Cohesity exams are delivered and proctored through a third-party testing center, with both onsite and remote testing options available. Onsite testing is available in specific locations.

Certification Track	Cohesity Protection Professional
Specialty	Cohesity Protection Professional - Net-Backup
Credential	Cohesity Certified Protection Professional - NetBackup
Exam Number and Title	Coh284 – Cohesity Certified Protection Professional - NetBackup
Prerequisite Exams or Certifications	None
Exam Duration	105 minutes
Fee	\$200 (USD)
Expiration	2 years
Retake Policy	The exam can be attempted once every 14 days
Language	English
Age requirement	None
Passing Score	65%

Cohesity Certified Protection Professional – NetBackup – Practice Exam Questions and Answers

Below are practice questions similar to those found on the certification exam. Please note that these practice exam questions are provided to give candidates a general idea of the type, look, and feel of the questions on the proctored certification exam. Answers to the questions can be found at the bottom of the document.

The list of exam domains/topics and the recommended study materials offer much more detailed information regarding exam content. Performance on these practice questions does not guarantee similar results or passing marks on the actual certification exam(s).

Cohesity Certified Protection Professional – NetBackup – Practice Exam Questions

Question 1

An administrator needs to enable the media server to detect backup anomalies. To do this, the administrator needs to copy the **NB_Anomaly.db** file from the anomaly_detection folder on the primary server to the anomaly_detection folder on the media server.

On which path can the administrator locate the anomaly_detection folder in the primary server?

- A. /usr/opensv/netbackup/dbext
- B. /usr/opensv/netbackup/ext/dbext
- C. /usr/opensv/netbackup/db
- D. /usr/opensv/var/global

Question 2

Which type of workload assets are supported for malware scan?

- A. Cloud
- B. Apache Cassandra
- C. VMware
- D. AHV

Question 3

What is the default value of the **SLP.MIN_SIZE_PER_REPLICATION_JOB** Storage Lifecycle Policy (SLP) parameter?

- A. 2 GB
- B. 4 GB
- C. 6 GB
- D. 8 GB

Question 4

Which command should an administrator use to enable Intelligent Catalog Archiving (ICA)?

- A. **bpconfig**
- B. **bparchive**
- C. **bpsetconfig**
- D. **bpclient**

Question 5

Which servers are listed when selecting the client package during the creation of a new deployment policy?

- A. only media servers
- B. media servers and client servers
- C. only client servers
- D. media servers and primary servers

Question 6

An administrator is using Storage Lifecycle Policies (SLP) to perform the following operations:

- back up to a local Advanced Disk pool
- duplicate to a local MSDP pool
- replicate to an off-site MSDP pool
- duplicate to an off-site tape library which needs to be retained for three years

Which retention type should the administrator select for the SLP import operation?

- A. Expire after copy
- B. Fixed
- C. Capacity Managed
- D. Target Retention

Question 7

How should an administrator enable client-side deduplication for specific clients of a policy?

- A. set “Disable client-side deduplication” on the policy, and select “Prefer to use client-side deduplication” in the Client Attributes host properties
- B. set “Disable client-side deduplication” on the policy, and select “Always use client-side deduplication” in the Client Attributes host properties
- C. unset “Disable client-side deduplication” on the policy, and select “Always use the media server” in the Client Attributes host properties
- D. unset “Disable client-side deduplication” on the policy, and select “Prefer to use client-side deduplication” in the Client Attributes host properties

Question 8

What does an administrator need to enable Smart Meter?

- A. a text file with the NetBackup key
- B. a json file
- C. an xml file
- D. the Java plugin

Question 9

An administrator has a media server with four empty disks with the following characteristics:

SSD1, SSD2: High-speed solid state drives
Disk3, Disk4: Medium-speed hard drives

What is the recommended disk storage configuration using these devices?

- A. place disks in one AdvancedDisk pool with media server load balancing configured
- B. place disks in one AdvancedDisk pool with round robin configured
- C. place disks in one AdvancedDisk pool with failover configured, in the order: SSD1, SSD2, Disk3, Disk4
- D. place disks in two AdvancedDisk pools: SSD1 and SSD2 in one pool, and Disk3 and Disk4 in the other pool

Question 10

An administrator has a backup policy with the following policy attributes:

- 3 paths listed in the Backup Selections list
- 5 clients listed in the Clients list
- “Allow multiple data streams” is selected
- “Limit jobs per policy” is set to 4

How many jobs go Active when the job is started, excluding parent jobs, assuming there are enough storage resources to handle the expected jobs?

- A. 3
- B. 4
- C. 12
- D. 15

Question 11

Backups are failing with status code 96 because tapes have NOT returned to the scratch volume pool after all the images on the tapes have expired.

What may be preventing the media from returning to the scratch pool?

- A. The media was created in volume pools other than the scratch pool.
- B. The media is in an off-site location.
- C. The media was written with multiplexed images.
- D. The media is in a Suspended state.

Question 12

A backup job is showing the following error message:

```
Dec 5, 2018 4:11:02 PM -
Info nbjm (pid=40455) starting
backup job (jobid=369) for client
WIN-TN3QANTSQ1B.vrtslab.br, policy
Oracle_SO_Dedup, schedule FULL

Dec 5, 2018 4:11:02 PM - Info nbjm
(pid=40455) requesting STANDARD_RESOURCE
resources from RB for backup job(
jobid=369,request id:{201EBB46-F8B9-
11E8-B5BA-A118CF05FA8E})

Dec 5, 2018 4:11:02 PM - requesting
resource __ANY__

Dec 5, 2018 4:11:02 PM - requesting
resource nbumasterapp.vrtslab.br.
NBU_CLIENT.MAXJOBS.WIN-TN3QANTSQ1B.
vrtslab.br

Dec 5, 2018 4:11:02 PM - Error nbjm (
pid=40455) NBU status: 2111, EMM status:
All storage units are configured
with On Demand Only and are not eligible
for jobs requesting ANY storage unit

All storage units are configured with On
Demand Only and are not eligible for
jobs requeting ANY storage unit (2111)
```

Which two actions can an administrator perform to ensure the backup completes successfully? (Select two.)

- A. ensure at least one storage unit is without the On Demand Only option selected
- B. increase the Multiplexing value on the Storage Unit
- C. increase the "Maximum concurrent jobs" parameter on the Storage Unit
- D. assign a specific Storage Unit for that policy
- E. increase the "Limit I/O streams" parameter on the disk volume

Question 13

NetBackup has frozen some of the tapes added to the robot.

Which log must be enabled to determine why the tapes are frozen?

- A. ltid
- B. robots
- C. bptm
- D. vmd

Question 14

Which default RBAC role is unable to provide any job level access to users?

- A. Default VMware Administrator
- B. Default Cloud Administrator
- C. Default AHV Administrator
- D. Default Universal Share Administrator

Question 15

Which two catalog components contain information on what has been backed up and its metadata in NetBackup? (Select two.)

- A. Default Universal Share Administrator Media
- B. Image
- C. Volume
- D. NBDB
- E. Class

Cohesity Certified Protection Professional - NetBackup – Practice Exam Answers

Sample Question 1	D
Sample Question 2	C
Sample Question 3	D
Sample Question 4	A
Sample Question 5	C
Sample Question 6	D
Sample Question 7	D
Sample Question 8	B
Sample Question 9	D
Sample Question 10	B
Sample Question 11	A
Sample Question 12	A, D
Sample Question 13	C
Sample Question 14	D
Sample Question 15	B, D

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