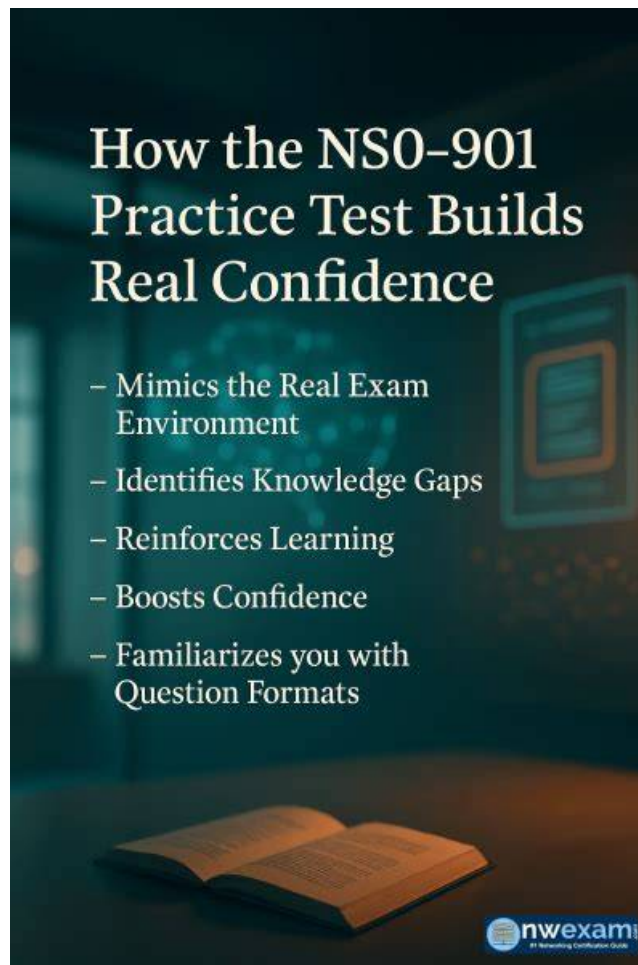


# Network Appliance NS0-901 Practice Engine - NS0-901 Latest Exam Duration



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## Network Appliance NS0-901 Exam Syllabus Topics:

| Section                                        | Weight | Objectives                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic 1: AI Overview                           | 15%    | <ul style="list-style-type: none"><li>- AI, machine learning, and deep learning concepts</li><li>- Convergence of AI, high-performance computing, and analytics</li><li>- AI deployment models: on-premises, cloud, edge</li><li>- AI industry use cases and applications</li><li>- Algorithm types: supervised, unsupervised, reinforcement learning</li></ul> |
| Topic 2: Security, Reliability, and Operations | 15%    | <ul style="list-style-type: none"><li>- Data security and access control for AI</li><li>- High availability and data protection</li><li>- Cost management and efficiency</li><li>- Monitoring, logging, and troubleshooting AI environments</li></ul>                                                                                                           |

|                                               |     |                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Topic 3: AI Lifecycle                         | 27% | <ul style="list-style-type: none"> <li>- Predictive vs generative AI</li> <li>- Data preparation and management for AI</li> <li>- AI governance, ethics, and compliance</li> <li>- Model training, inference, and optimization</li> <li>- AI lifecycle stages: design, training, deployment, monitoring</li> <li>- ONTAP integration with AI frameworks</li> </ul> |
| Topic 4: NetApp AI Solutions and Architecture | 25% | <ul style="list-style-type: none"> <li>- NetApp AI-ready infrastructure components</li> <li>- Scalability and performance optimization for AI</li> <li>- Data management and data pipeline design</li> <li>- Storage architectures for AI workloads</li> </ul>                                                                                                     |
| Topic 5: Cloud and Hybrid Cloud AI Deployment | 18% | <ul style="list-style-type: none"> <li>- Hybrid and multi-cloud AI architectures</li> <li>- Data mobility and consistency across environments</li> <li>- NetApp cloud data services for AI</li> <li>- Cloud-native AI solutions and integration</li> </ul>                                                                                                         |

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## NS0-901 Exam Questions Conveys All Important Information of NS0-901 Exam

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## Network Appliance NetApp Certified AI Expert Exam Sample Questions (Q12-Q17):

### NEW QUESTION # 12

The company's compliance officer mandates that all raw simulation data in the StorageGRID data lake must be protected from modification or deletion for a period of seven years. Which two StorageGRID features should be implemented to meet this strict, long-term data immutability requirement? (Choose 2.)

- A. Use NetApp SnapMirror to replicate the data to a second StorageGRID system.
- B. Enable Autonomous Ransomware Protection (ARP) on the StorageGRID system.
- C. Create a new S3 bucket with Object Lock enabled in Compliance mode.
- D. Configure an Information Lifecycle Management (ILM) rule that applies to the bucket and sets a retention period of seven years.
- E. Encrypt all objects in the bucket using server-side encryption (SSE).

**Answer: C,D**

### NEW QUESTION # 13

A data scientist on the team wants to run an experiment on a new vector indexing strategy. To do this, they need a temporary, writable copy of the main vector database. They use the NetApp DataOps Toolkit for Python to automate this process.

The following script is executed:

```
from netapp_dataops.k8s import clone_pvc
clone_pvc(
    source_pvc_name="prod-vector-db-pvc",
    new_pvc_name="exp-indexing-clone",
    namespace="ds-prod"
)
```

Assuming the source PVC exists and the user has correct permissions, what is the primary benefit of using this method?

- A. It automatically migrates the data from the AFF A-Series to the StorageGRID system for the experiment.
- B. It uses NetApp FlexClone technology to create a near-instantaneous, space-efficient writable copy of the volume,

accelerating the experimental workflow.

- C. It creates a full physical copy of the data, providing the best performance isolation.
- D. It creates a read-only Snapshot, ensuring the integrity of the experimental data.

**Answer: B**

#### NEW QUESTION # 14

A network administrator, attempting to harden the security of the data center, modifies a firewall access control list (ACL). Immediately afterward, the "Advisor Assistant" application pods can no longer mount their required NFS volumes from the AFF A-Series. The MLOps team confirms the pods are stuck in a 'ContainerCreating' state with a 'MountVolume.SetUp failed... connection timed out' error. The administrator provides the new, active firewall rule:

```
RULE | ACTION | PROTOCOL | SOURCE_IP_RANGE | DEST_IP_RANGE | DEST_PORT --|--|  
|--|--51 | ALLOW | TCP | 10.20.5.0/24 | 10.20.10.0/24 | 2049
```

What is the most likely reason for the mount failures?

- A. The 'SOURCE\_IP\_RANGE' is incorrect and does not include the Kubernetes pod IP addresses.
- B. The firewall rule is blocking the NFS lock manager (NLM) protocol, which is required for file locking.
- C. The firewall rule is blocking the Portmapper/RPCbind service (TCP/UDP port 111), which is necessary for the initial NFS mount negotiation.
- D. The firewall rule is blocking the NFSv4 protocol, which requires TCP port 2050.

**Answer: C**

#### NEW QUESTION # 15

An AI operations team is troubleshooting why their RAG-based chatbot is providing outdated information. They have confirmed that the vector database embedding process is functioning correctly, but suspect an issue with the initial data synchronization that moves the knowledge base from an on-premises ONTAP file share to a cloud staging bucket.

They inspect the relevant BlueXP copy and sync job and find the following details:

Service: BlueXP copy and sync

Relationship\_Name: KB\_Sync\_to\_Vector\_Staging

Source: nfs://ontap-cluster-1/vol\_kb/docs

Destination: s3://vector-staging-bucket-89a3/latest/

Last\_Sync\_Status: FAILED

Last\_Sync\_Time: 2025-07-11T02:00:15Z

Error\_Message: "Authentication error:

Unable to access source.

Check export policy on 'vol\_kb'."

Based on this information, what is the most direct solution to fix the data pipeline?

- A. Modify the NFS export policy on the 'vol\_kb' volume on the on-premises ONTAP cluster to grant access to the BlueXP Connector.
- B. Re-run the vector database embedding job.
- C. Check the IAM permissions for the role associated with the S3 bucket.
- D. Fine-tune the LLM with the latest data instead of using the RAG system.

**Answer: A**

#### NEW QUESTION # 16

The firm has acquired a competitor, and the volume of proprietary documents for the "Advisor Assistant" is expected to triple, exceeding the capacity of the current StorageGRID data lake. The architect needs to expand the data lake's capacity non-disruptively.

The current StorageGRID status is:

System\_Health: Nominal

Node\_Count: 6 (3 Storage Nodes, 3 Admin/Gateway Nodes)

Usable\_Capacity: 1.5 PB

Used\_Capacity: 1.4 PB (93%)

What is the standard procedure for scaling the capacity of the on-premises NetApp StorageGRID system?

- Answer: D**

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