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# NetApp NS0-165

**NetApp Certified Data Administrator - ONTAP (NCDA  
ONTAP)**



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## **Product Version**

- ✓ **Up to Date products, reliable and verified.**
- ✓ **Questions and Answers in PDF Format.**

# Latest Version: 6.0

## Question: 1

After deploying an AFF A400, you want to deploy a storage virtual machine (SVM) to serve SMB data. Which three conditions must exist in this scenario? (Choose three.)

- A. You must have sufficient space for the root volume.
- B. You must have a non-root aggregate in the online state.
- C. You must have encryption enabled on the root volume.
- D. You must synchronize the cluster time.
- E. You must have configured the export policies.

**Answer: A, D, E**

## Question: 2

Exhibit

```
cluster1:~> statistics show -object resource_headroom_cpu -raw -counter ewma_hourly
```

```
Object: resource_headroom_cpu  
Instance: CPU_sti2520-213  
Start-time: 2/9/2020 16:06:27  
End-time: 2/9/2020 16:06:27  
Scope: sti2520-213
```

Counter	Value
ewma_hourly	-
current_ops	4376
current_latency	37719
current_utilization	96
optimal_point_ops	2573
optimal_point_latency	3589
optimal_point_utilization	72
optimal_point_confidence_factor	1

```
Object: resource_headroom_cpu  
Instance: CPU_sti2520-214  
Start-time: 2/9/2020 16:06:27  
End-time: 2/9/2020 16:06:27  
Scope: sti2520-214
```

Counter	Value
ewma_hourly	-
current_ops	10320
current_latency	47232
current_utilization	88
optimal_point_ops	2573
optimal_point_latency	3589
optimal_point_utilization	71
optimal_point_confidence_factor	1

You have a 2-node FAS8300 switchless cluster. You ran the performance capacity report to see the last hour of performance

Referring to the exhibit, which two statements describe the performance? (Choose two.)

- A. The CPU has been underutilized.
- B. The CPU has been over utilized.
- C. A storage failover event will cause performance issues.
- D. A storage failover event will have no performance degradation.

**Answer: B, C**

### Question: 3

You have deployed an ONTAP C190 cluster enabled with the iSCSI protocol. Your manager asks for available options to protect the data on your cluster using the native SnapMirror technology. In this scenario, which two products would satisfy this request? (Choose two.)

- A. ONTAP Select
- B. Cloud Volumes ONTAP
- C. Cloud Volumes Service for AWS
- D. Azure NetApp Files

**Answer: A, B**

## Question: 4

Exhibit

```
cluster::> volume show -vserver SVM_A
-----
Vserver   Volume      Aggregate   State   Type   Size   Available   Used%
-----
SVM_A     SVM_A_root  aggr1      online  RW     1GB    970.7MB    0%
SVM_A     VOL_A       aggr1      online  RW     100GB  95.00GB    0%
2 entries were displayed.

cluster::> qos adaptive-policy-group show -policy-group apg-VOL-A
-----
Name: apg-VOL-A
Vserver: SVM_A
Uuid: 402a3ae5-6ba3-11eb-ba3a-00a0988887c0
ID: 13773
Expected IOPS: 1000IOPS/TB
Peak IOPS: 2000IOPS/TB
Absolute Minimum IOPS: 500IOPS
Expected IOPS Allocation: allocated-space
Peak IOPS Allocation: used-space
Block Size: ANY
Number of Workloads: 1
```

Referring to the exhibit, what is the maximum possible IOPS for the VOL\_A volume?

- A. 1000 IOPS
- B. 500 IOPS
- C. 2000 IOPS
- D. 100 IOPS

**Answer: B**

## Question: 5

Exhibit

**Storage Virtual Machine (SVM) Setup**

1 Enter SVM basic details    2 Configure iSCSI protocol    3 Enter SVM administrator details

### Configure iSCSI protocol

? Configure LIFs to access the data using iSCSI protocol

#### Data Interface (LIF) Configuration

Target Alias:	<input type="text"/>	Provision a LUN for iSCSI storage (Optional):
LIFs Per Node:	<input type="text" value="2"/> <small>(Minimum: 1, Maximum: 6)</small>	LUN Size: <input type="text"/> GB
Assign IP Address:	Without a subnet	LUN OS Type: Windows 2008 or later
	IP Address: 10.89.243.40    Change	Host Initiator: <input type="text"/>
Broadcast Domain:	Default	

[Review or modify LIF configuration \(Advanced Settings\)](#)

You have a 4-node cluster.

How many iSCSI LIFs will be created from the SVM setup wizard, as shown in the exhibit?

- A. 8
- B. 6
- C. 16
- D. 2

**Answer: A**

**Question: 6**

You have deployed an ONTAP cluster and want to add protocol licenses. In this scenario, which management tool accomplishes this task?

- A. NetApp Cloud Manager
- B. ONTAP System Manager
- C. Active IQ Unified Manager
- D. Active IQ Config Advisor

**Answer: B**

## Question: 7

### Exhibit

```
cluster1:~> network interface create -vserver vs0 -lif datalif1 -role data -home-node node0 -home-port e0c -address 192.0.2.130 -netmask
255.255.255.0 -failover-policy broadcast-domain-wide -firewall-policy data

cluster1:~> network route show
(network route show)
-----
Server      Destination      Gateway          Metric
-----
node1              0.0.0.0/0        10.61.208.1      20
node2              0.0.0.0/0        10.61.208.1      20
vs0              0.0.0.0/0        10.61.208.1      20
3 entries were displayed.
```

After creating a new LIF called datalif1 on SVM vs0, you notice connectivity issues to the newly created LIF, as shown in the exhibit. You have verified that the new LIF is online and the network team is able to see the MAC address on the switches.

Referring to the exhibit, what would cause connectivity issues?

- A. The home port needs to be modified to port e0d.
- B. The route metric needs to be modified to a metric of 30.
- C. The route needs to be modified to reflect the correct gateway.
- D. The netmask needs to be modified to a /16 network.

**Answer: C**

## Question: 8

Due to the increasing threat of ransomware, you must implement a secure and fast solution to recover files in your ONTAP cluster. The users should be able to recover their files from their Windows Desktop.

In this scenario, which two steps fulfill this requirement? (Choose two.)

- A. Ensure that there is a Snapshot copy schedule for every volume containing files.
- B. Ensure that the option to show previous versions on the SVM is activated.
- C. Ensure that the option to copy a FlexClone of each volume containing files is activated.
- D. Ensure that the option to show previous versions on each share is activated.

**Answer: B, D**

## Question: 9

### Exhibit

```
root@nas01:~# volume autosize -vservers SVM1 -volume vol1 -shrink-threshold-percent 60 -mode grow_shrink
vol autosize: Flexible volume "SVM1:vol1" autosize settings UPDATED.
Volume modify successful on volume: vol1
```

Referring to the exhibit, when will NAS vol1 shrink in size?

- A. when the aggregate containing vol1 is 60% full
- B. when the volume is 60% full
- C. when the volume is 40% full
- D. when the aggregate containing vol1 is 40% full

**Answer: B**

### Question: 10

Which command parameter will result in a thin-provisioned LUN?

- A. -space-allocation enabled
- B. -space-reservation disabled
- C. -space-guarantee none
- D. -space-guarantee volume

**Answer: C**

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