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# EMC

*E20-555*

*Isilon Solutions and Design Specialist for Technology Architects*

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## Version product

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## Question: 1

A customer has a requirement for a new solution to handle their growing storage requirements. The solution should have the ability to cover storage needs for the next three years. The environment consists of 100 TBs of file system data spread across five file systems. On average, the file systems grow 1 TB a month. In addition, they have a large VMware cluster supporting 200 VMs and a highly transactional database.

The customer wants the solution to offer good performance, scalability, manageability, and be cost-effective. The sales team is looking to you to recommend a solution.

Which recommendation will meet the customer's requirements?

- A. VNX for DB and VMware workloads, and Isilon for file system data
- B. Isilon scale-out and cluster as required
- C. VNX Unified platform with FAST Cache
- D. VMAX with FAST VP and a NAS Gateway

**Answer: A**

## Question: 2

How much space is consumed by a 4 KB file when the file data is written to the Isilon cluster?

- A. 4 KB
- B. 8 KB
- C. 16 KB
- D. 32 KB

**Answer: B**

## Question: 3

Which type of infrastructure does the Isilon scalable appliance connect to on the front-end?

- A. Ethernet
- B. FICON
- C. Infiniband
- D. Fibre Channel

**Answer: A**

### Question: 4

A customer needs to consolidate 300 TB of home directory servers and shared file systems used by development and test groups. A key requirement is to prevent the systems from consuming all free capacity and impacting home directory content.

Which Isilon node configuration should be proposed?

- A. X-Series with SmartQuotas
- B. NL-Series with SmartQuotas
- C. S-Series with InsightIQ
- D. X-Series with SmartPools

**Answer: A**

### Question: 5

You are helping a customer create a cost-effective Isilon solution. The customer environment includes high IOPS-intensive, random access file-based applications.

Which Isilon storage node type will meet the customer's needs?

- A. S-Series
- B. NL-Series
- C. X-Series
- D. Performance Accelerator

**Answer: A**

### Question: 6

How many layers are in the Isilon clustering architecture?

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

**Answer: B**

### Question: 7

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Which node type provides CPU, memory, and Fibre Channel connectivity?

- A. Backup Accelerator
- B. Performance Accelerator
- C. X-Series
- D. NL-Series

**Answer: A**

### Question: 8

Which Isilon OneFS job, that runs manually, is responsible for examining the entire file system for inconsistencies?

- A. IntegrityScan
- B. MediaScan
- C. AutoBalance
- D. FlexProtect

**Answer: A**

### Question: 9

A customer has a supported cluster with the maximum protection level. How many simultaneous node component failures can Isilon OneFS sustain while still allowing full access to the entire file system and dataset?

- A. 1
- B. 2
- C. 3
- D. 4

**Answer: D**

### Question: 10

A customer wants an N+3 protection level on their cluster. What is the minimum number of nodes they need to achieve that level of protection?

- A. 3
- B. 6
- C. 7

D. 8

**Answer: C**

### Question: 11

What does Isilon OneFS use to re-write data when a disk read fails?

- A. Dynamic Sector Repair
- B. NVRAM
- C. Isilon Data Integrity
- D. CRC

**Answer: A**

### Question: 12

An Isilon customer wants a job to periodically check disk sectors to ensure they can be read. What should be recommended to the customer?

- A. MediaScan
- B. IntegrityScan
- C. Dynamic Sector Repair
- D. Isilon Data Integrity

**Answer: A**

### Question: 13

An Isilon customer wants a job to periodically validates the checksum of every block in the file system. What should be recommended to the customer?

- A. IntegrityScan
- B. MediaScan
- C. Dynamic Sector Repair
- D. Isilon Data Integrity

**Answer: A**

### Question: 14

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A company needs the ability to separate administrative rights from data access rights. Which Isilon feature enables this functionality?

- A. RBAC
- B. SmartConnect
- C. SmartLock
- D. SmartQuota

**Answer: A**

### Question: 15

Which Isilon OneFS administration methods are enforced by RBAC?

- A. Platform API, command line, and web administration interface
- B. Command line, InsightIQ, and web administration interface
- C. SNMP and web administration interface
- D. Command line, web administration interface, and SNMP

**Answer: A**

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