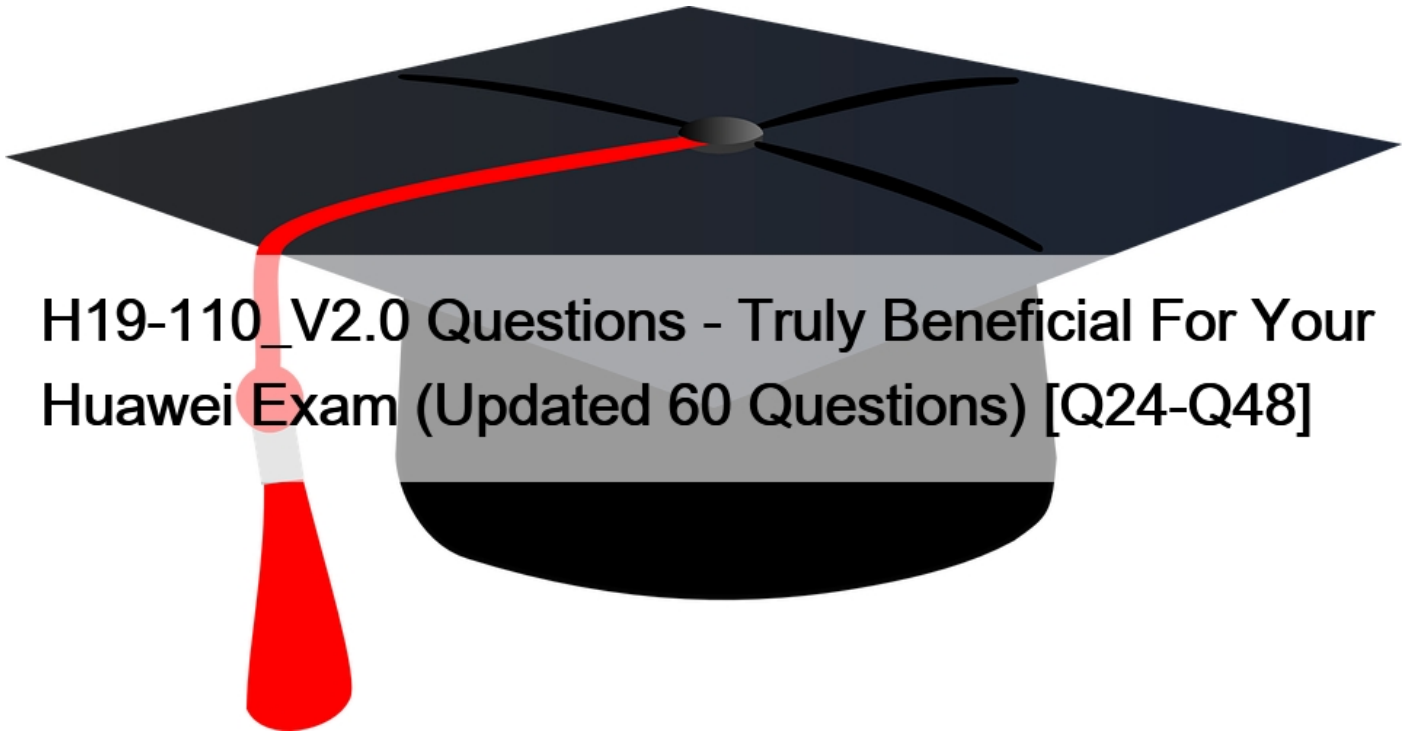# H19-110_V2.0 Questions - Truly Beneficial For Your Huawei Exam (Updated 60 Questions) [Q24-Q48

H19-110_V2.0 Questions - Truly Beneficial For Your Huawei Exam (Updated 60 Questions) View All H19-110_V2.0 Actual Exam Questions, Answers and Explanations for Free NO.24 Which of the following statements are correct about the highlights of OceanProtect?

* Fast backup and recovery: The backup speed is up to 155 TB/h and the recovery speed is up to 172 TB/h. The ultimate performance support

* Efficient data reduction: The data reduction ratio is up to 72:1 and scale-out is supported, reducing investment.

* High reliability: The industry’s exclusive AA architecture ensures uninterrupted backup tasks.

Explanation

OceanProtect has three main highlights that make it a leading backup storage product in the industry. First, it offers fast backup and recovery with E2E acceleration, high bandwidth, and instant access technologies, delivering up to 155 TB/h backup bandwidth and 172 TB/h recovery bandwidth1. Second, it provides efficient data reduction with multi-layer deduplication, feature-based reduction, and E2E data reduction technologies, achieving a premium datareduction ratio of up to 72:11. Third, it ensures high reliability with cyber resilience, system resilience, and lifecycle management features. OceanProtect adopts the industry’s exclusive active-active dual-controller architecture that guarantees uninterrupted backup services even in the event of a controller failure1.

NO.25 Why bakcup storage capacity is larger than production storage is that backup storage stores multiple copies of production data…

* True

* False

Explanation

The reason why backup storage capacity is larger than production storage is not that backup storage stores multiple copies of production data, but that backup storage stores multipleversions of production data. Backup storage provides data protection for production data by creating backup images at different points in time.

These backup images can be used to restore production data in case of any data loss or corruption. Backup storage usually stores more versions of production data than production storage itself, which makes backup storage capacity larger than production storage capacity.

NO.26 Which solutions are inclued in Huawei All-Scenario data protection solutions?
* Full DR of hot data for business continuity
* Quick backup and restore of warm data for data recoverability
* Warm archiving of cold data for regulation compliance
* Archiving tape library
Explanation

Huawei All-Scenario data protection solutions include full DR of hot data for business continuity, quick backup and restore of warm data for data recoverability, and warm archiving of cold data for regulation compliance. Huawei All-Scenario data protection solutions can help enterprises protect their data from various risks and challenges, such as disasters, ransomware, human errors, and regulations. Huawei All-Scenario data protection solutions can cover different types of data (hot, warm, and cold), different levels of protection (DR, backup, and archive), and different deployment scenarios (on-premises or cloud).

NO.27 With Huawei efficient data reduction technologies, which data reduction ratio can be achieved by OceanProtect in given backup?
* 3.0006944444444446
* 2.7090277777777776
* 0.8340277777777777
* 0.4173611111111111
Explanation

With Huawei efficient data reduction technologies, such as deduplication and compression, OceanProtect can achieve a data reduction ratio of 2.7090277777777776 in the given backup scenario. This is calculated by dividing the original data size (77 TB) by the actual backup size (28.44 TB). Reference: Become a certified specialist – Huawei

NO.28 Which one is the main reason for OceanProtect to have high data reduction ratio?
* Less backup storage space required, less TCO
* For high backup performance
* For high system reliability
* For system recovery
Explanation

OceanProtect has high data reduction ratio because it uses advanced deduplication and compression technologies to eliminate redundant data and save storage space. This reduces the backup storage space required and lowers the total cost of ownership (TCO) for customers. Reference: [OceanProtect Backup Storage Product Brochure]

NO.29 OceanStor Pacific mass data storage focuses on HPC. object, and core transaction database scenarios to compete in the ..
* True
* False
Explanation

OceanStor Pacific mass data storage does not focus on core transaction database scenarios to compete in the market, but on

unstructured data scenarios such as big data analytics, backup and archiving, video surveillance, and media production. OceanStor Pacific is a distributed storage system that is designed for massive data applications. It supports multiple protocols, such as NFS, CIFS, S3, and HDFS, and provides high performance, scalability, reliability, and efficiency for unstructured data storage. OceanStor Pacific can handle data volumes ranging from hundreds of TBs to EBs, and can meet the storage requirements of various scenarios.

NO.30 Which feature helps OceanStor Dorado high-end storage get higher reliability than others?
* Anti-ransomware
* SmartMatrix
* Encryption
* FlashUnk
Explanation

SmartMatrix is a feature that helps OceanStor Dorado high-end storage get higher reliability than others.

SmartMatrix is a fully interconnected and fully redundant matrix architecture that consists of multiple controllers, switches, and interconnects. It provides multiple data paths and ensures no single point of failure.

SmartMatrix also supports online controller replacement and fault isolation, which improves the availability and serviceability of OceanStor Dorado. Reference: [OceanStor Dorado All-Flash Storage Product Brochure]

NO.31 Which product is recommended for high-performance computing?
* OceanStor Pacific
* OceanStor Dorado
* OceanStor Protect||OceanStor 9000
Explanation

OceanStor Dorado is recommended for high-performance computing because it is an all-flash storage product that delivers ultra-high performance, low latency, and high reliability. OceanStor Dorado leverages E2E NVMe, FlashLink, and SmartMatrix technologies to achieve up to 20 million IOPS and 0.1 ms latency, which can meet the demanding requirements of high-performance computing applications. Reference: [OceanStor Dorado All-Flash Storage Product Brochure]

NO.32 DME storage can only support O&M of Huawei storage.
* True
* False
Explanation

DME Storage can support O&M of Huawei storage as well as several mainstream third-party storage systems.

DME Storage is an intelligent storage management platform that provides convergence, intelligence, and openness for data center storage devices. It covers four phases of the device lifecycle (planning, provisioning, maintenance, and optimization), and improves the automation level and problem resolution rate. DME Storage supports Huawei's full series of centralized storage, Huawei distributed storage (OceanStor Pacific), Dell EMC Unity/VNX/VMAX/PowerMax/Isilon/PowerScale/SC Series/PowerVault ME4 Series/XtremIO/X2 Series/PowerStore Series/PowerFlex Series/Connectrix Series/Switches Series/PowerSwitch Series/S-Series Switches/N-Series Switches/Z-Series Switches/C-Series Switches/M-Series Switches/E-Series Switches/B-Series Switches/Ruckus ICX Switches/Ruckus SmartZone Controllers/Ruckus R Series Access Points/Ruckus H Series Access Points/Ruckus T Series Access Points/Ruckus M Series Access Points/Ruckus C Series Access Points/Ruckus E Series Access Points/Ruckus ZoneFlex Access Points/Ruckus Cloudpath Enrollment System/Ruckus SmartCell Insight (SCI)/Ruckus IoT Suite/Ruckus Cloud Wi-Fi/Ruckus Unleashed Wi-Fi/Ruckus Cloudpath Enrollment System (ES)/Ruckus SmartZone Network Controller (SZ100/SZ300/vSZ)/Ruckus Virtual SmartZone – Essentials (vSZ-E)/Ruckus Virtual SmartZone – High Scale (vSZ-H)/Ruckus SmartZone Data Plane (SZ100-D/SZ300-D/vSZ-D), NetApp FAS/AFF/ONTAP Select/E-Series/EF-Series, IBM

DS8000/XIV/Storwize/SVC/FlashSystem, HPE

3PAR/MSA/Nimble/StoreOnce/StoreVirtual, Hitachi VSP G/F Series/VSP N Series/HNAS/HCP, Pure Storage
FlashArray//X/FlashArray//C/FlashArray//M, Lenovo ThinkSystem DM Series/ThinkSystem DE Series, and Infinidat InfiniBox.

NO.33 How many controllers failed can OceanStor Dorado high-end product tolerant, with SmartMatrix architecture?
* 1 out of 2
* 2 out of 4
* 3 out of 4
* 7 out of 8
Explanation

OceanStor Dorado high-end product can tolerate 7 out of 8 controllers failed, with SmartMatrix architecture.

This is because the SmartMatrix architecture supports cross-engine active-active mode, which means each controller can access any
LUN in the system. Therefore, even if only one controller is left, the system can still provide services. Reference: Pre-release
Announcement for Huawei Specialist Certification HCSA-Presales-Storage V4.0 (English Version)

NO.34 OceanStor Pacific mainly focus on unstructured data service business.
* True
* False
Explanation

OceanStor Pacific mainly focuses on unstructured data service business such as big data analytics, backup and archiving, video
surveillance, and media production. OceanStor Pacific is a distributed storage system that is designed for massive data applications.
It

NO.35 What are the advantages of Huawei OceanProtect over traditional backup storage?
* Rapid backup
* Rapid recovery
* High reliability
* Efficient reduction
Explanation

The advantages of Huawei OceanProtect over traditional backup storage are rapid backup, rapid recovery, high reliability, and
efficient reduction. OceanProtect can provide fast backup and recovery performance by using front-end network optimization, CPU
computing optimization, back-end network optimization, and intelligent scheduling technologies. OceanProtect can also ensure high
reliability by using RAID-TP technology that can tolerate the simultaneous failures of three disks in a RAID group. Moreover,
OceanProtect can achieve high data reduction ratio by using deduplication and compression technologies that can reduce the backup
data size by up to 90%.

NO.36 What is the main purpose of backup storage?
* Hosts production system
* Protects important data for quick recovery
* Meets regulatory compliance and retains historical data.
Explanation

Backup storage is a type of data storage that is used to create copies of data that can be restored in case of data loss, corruption, or
disaster. Backup storage typically has high performance and reliability, and often uses incremental or differential methods to reduce
the amount of data that needs to be backed up. Backup storage can be located on-premises or in the cloud

NO.37 Why Saint-LUC hospital choosed huawei Dorado for their application system?

* Dorado supports SAN&NAS in one box. hosting all kinds application.
* Dorado can implement Active-Active solution without adding any hardware, saving cost
* Dorado offers lower CAPEX than hybrid storage.
* Dorado offers higher performance, making the applications smooth.

Explanation

Saint-Luc hospital chose Huawei Dorado for their application system because of three main reasons. First, Dorado supports both SAN and NAS protocols in one box, which means it can host all kinds of applications such as databases, file servers, virtual machines, containers, etc., without requiring separate devices or gateways. Second, Dorado can implement an active-active solution without adding any hardware or licenses, which saves cost and improves reliability. The active-active solution synchronizes data between two storage systems in real time and ensures zero service interruption and zero data loss in case of any failure in one system or site. Third, Dorado offers higher performance than hybrid storage with its all-flash technology and E2E NVMe capability. Dorado delivers up to 20 million IOPS and 0.1 ms latency for file operations, which makes the applications run smoothly and efficiently.

NO.38 What are the main sales scenarios of Fusioncube?

* Virtualization
* VDl
* enterprise branch

Explanation

FusionCube is a hyper-converged infrastructure product that integrates storage, computing, network, virtualization, and management into one device. It supports three main sales scenarios: virtualization, Virtual Desktop Infrastructure (VDI), and enterprise branch. FusionCube provides high performance, scalability, reliability, and simplicity for these scenarios. For virtualization, FusionCube supports mainstream virtualization platforms such as VMware, KVM, and Hyper-V, and provides unified management of virtual machines and physical resources. It also supports cloud transformation with Huawei's Datacenter Virtualization Solution (DCS). For VDI, FusionCube provides a one-stop desktop cloud solution that delivers high-density desktops, fast deployment, and easy O&M. It also supports GPU acceleration and cloud-based remote management for various desktop scenarios. For enterprise branch, FusionCube provides a compact and lightweight device that can be deployed in edge scenarios such as offices, retailstores, and factories. It supports

220 V mains power and 492 mm device depth for easy installation and maintenance. Reference: FusionCube Hyper-Converged Infrastructure Product Brochure

NO.39 OceanProtect Backup Storage is compatible with Veeam. Veritas, and Commvault.

* True
* False

Explanation

OceanProtect Backup Storage is compatible with Veeam, Veritas, and Commvault. These are some of the mainstream backup software in the industry that can work with OceanProtect toprovide comprehensive data protection for enterprise data. OceanProtect supports multiple backup protocols, such as NDMP, VTL, and NAS, and can seamlessly integrate with these backup software to provide fast backup and recovery services.

NO.40 If customer wants to build a storage system with large capacity and less space occupation, which OceanStor Pacifci mode is….

* Pacifci 9950
* Pacifci 9550
* Pacifci 9520

* Pacifci 9540
Explanation

Pacific 9540 is the product model that can build a storage system with large capacity and less space occupation in OceanStor Pacific series. Pacific 9540 adopts a high-density design that can accommodate up to 106 disks in a 4U chassis, which provides up to 1.06 PB of raw capacity. Pacific 9540 also supports erasure coding and compression technologies to further increase the effective capacity and save space. Reference: [OceanStor Pacific Series Product Brochure]

NO.41 OceanProtect can be used for data backup of core application scenarios, such as core DB or core applications.
* True
* False
Explanation

OceanProtect can be used for data backup of core application scenarios, such as core DB or core applications.

OceanProtect is a dedicated backup storage product that provides fast backup and recovery for enterprise data.

It adopts a converged architecture that integrates backup software, backup server, and backup storage into one device. OceanProtect supports multiple backup protocols, such as NDMP, VTL, and NAS, and can work with mainstream backup software in the industry. OceanProtect also leverages deduplication and compression technologies to reduce the backup data footprint and save storage space.

NO.42 Which technologies are included in Huawei system level reliability features to ensure ultra realibility?
* Tolerance for simultaneous failures of 3 disks
* Reconstruction of 1 TB data in 15 minutes
* Tolerance for failures of 7 out of 8 controllers with SmartMatrix fully-interconnected architecture
* Fully Active-Active design with load balance. 5 seconds failover

NO.43 What is Huawei product model for backup storage?
* OceanStor Dorado
* OceanStor Pacific
* OceanProtect
* FusionCube
Explanation

OceanProtect is the product model for backup storage in Huawei’s storage portfolio. OceanProtect is a dedicated backup storage product that provides fast backup and recovery for enterprise data. It adopts a converged architecture that integrates backup software, backup server, and backup storage into one device.

OceanProtect supports multiple backup protocols, such as NDMP, VTL, and NAS, and can work with mainstream backup software in the industry. OceanProtect also leverages deduplication and compression technologies to reduce the backup data footprint and save storage space. Reference: OceanProtect Backup Storage Product Brochure

NO.44 In enterprise core systems, which are main sales scenation of all flash OceanStor Dorado?
* Database
* Virtualization
* consolidation
* Backup
Explanation

In enterprise core systems, the main sales scenarios of all flash OceanStor Dorado are database, virtualization, and consolidation.

OceanStor Dorado can provide high performance, low latency, and high reliability for database applications, such as Oracle, SAP HANA, and MySQL. OceanStor Dorado can also optimize the performance and efficiency of virtualization environments, such as VMware, Hyper-V, and OpenStack.

Moreover, OceanStor Dorado can consolidate multiple applications and workloads on a single platform, reducing the total cost of ownership and simplifying management.

NO.45 Which tools or softwares are included in Huawei’s data intelligent management architecture?
* Cloud-based remote management tool DME IQ
* Local data center management suite DME STORAGE
* Single-device management software Device Manager
* Disaster recovery tool BCM
Explanation

Huawei’s data intelligent management architecture consists of four tools or software that provide different functions and features for data management. DME IQ is an intelligent cloud O&M platform that combines big data analytics and Artificial Intelligence (AI) to provide data infrastructure with automatic fault reporting, problem management and tracking, intelligent prediction, health evaluation, performance analytics, capacity planning, and intelligent optimization1. DME Storage is an intelligent storage management platform that provides convergence, intelligence, and openness for data center storage devices. It simplifies storage management and O&M throughout the data lifecycle with features such as intelligent provisioning, intelligent risk prediction, intelligent data tiering, and open APIs2. Device Manager is a single-device management software that provides basic functions such as device configuration, performance monitoring, alarm management, system maintenance, and firmware upgrade for Huawei storage devices3. BCM is a disaster recovery tool that provides comprehensive protection for data centers with features such as disaster recovery plan design, disaster recovery drill execution, disaster recovery monitoring and analysis, disaster recovery resource management4.

NO.46 Which of the following statements about OceanProtect Case of China’s #1 Commercial Bank is correct?
* OceanProtect solution provides 25TB/h backup bandwidth in this case, shorten the backup window from

16h to 4h.
* The OceanProtect model in this case is X6000.
* The joint backup solution in this case consists of NBU and X6000 hardware, and to replace Legacy VTL.
Explanation

OceanProtect solution provides 25TB/h backup bandwidth in this case, shorten the backup window from 16h to 4h. Comprehensive Short Explanation: The correct statement about OceanProtect Case of China’s #1 Commercial Bank is that OceanProtect solution provides 25TB/h backup bandwidth in this case, shorten the backup window from 16h to 4h. The other statements are incorrect because:

* The OceanProtect model in this case is X9000, not X6000.

* The joint backup solution in this case consists of NBU and X9000 hardware, and to replace Legacy VTL and Tape Library.
Reference: Partner Capability & Resources Center – Huawei Enterprise

NO.47 Which reliability feature is only supported by huawei high-end flash storage?
* Tolerate failure of 7 out of 8 controllers
* Tolerates failure of 1 out of 2 controllers
* Tolerates failure of 3 out of 4 controllers
Explanation

Huawei high-end flash storage, such as OceanStor Dorado 8000/18000, supports a fully-interconnected active-active SmartMatrix 3.0 architecture that ensures the stable running of services, even if seven out of eight controllers, or one out of two controller enclosures, fail. This feature sets unprecedented standards for industry reliability

The H19-110_V2.0 exam is part of Huawei's certification program, which is designed to validate an individual's skills and knowledge in using Huawei's products and solutions. H19-110_V2.0 exam is considered an entry-level certification for sales and technical support staff who work with Huawei's storage products. It is an important certification to have for those who want to advance their career in the technology industry.

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