



OceanStor 6810/18510/18810 New-Gen High-End Hybrid Flash Storage Systems

Huawei's New-Gen OceanStor 6810/18510/18810 High-End Hybrid Flash Storage Systems are designed to provide excellent data services for critical enterprise applications. The systems feature the industry-leading SmartMatrix architecture, active-active solution for SAN and NAS, flash acceleration technology, high-performance hardware platform, and various solutions designed to improve efficiency and data protection. Together, they provide optimal reliability and performance and meet the data storage requirements of various scenarios, including email systems of large enterprises, large-scale data warehouses, nearline file archiving, and cloud computing. This makes them an ideal choice for the government, telecom, finance, manufacturing, and healthcare sectors.

7-Nines Reliability

Sustainable development is becoming a key concern of enterprises in various sectors, prompting many to upgrade to intelligent storage systems. Moreover, diverse services and data types are raising the requirements for IT systems. Now, they must be able to consolidate multiple types of services and ensure stable service running. Huawei OceanStor 18510/18810 high-end hybrid flash storage systems meet these needs from five dimensions: architecture, product, data, solution, and O&M. Their reliable end-to-end architecture ensures 99.99999% service availability for all service scenarios.

Architecture – fully interconnected design

Huawei OceanStor 6810/18510/18810 storage adopts the innovative SmartMatrix architecture that comprises the front- and back-end full-mesh and multi-controller multi-active deployment, achieving high reliability and performance balancing.

Specifically, this architecture tolerates the failure of three out of four or seven out of eight controllers without interrupting services, setting a new benchmark for storage reliability. Each front-end interface module is connected to four controllers, which allows services on the faulty controller to fail over to the normal controller within seconds, without disrupting any host links or affecting upper-layer services. The fully symmetric active-active design (meaning the LUNs do not belong to any controller) enables the application server to access LUNs through any controller. As for performance balancing, thanks to the load balancing algorithm, services simultaneously run on multiple controllers to reduce the pressure on each one controller. In the unlikely event that any controller fails, other controllers can take over services smoothly without interrupting any services.

For More Information

To learn more about Huawei storage, please contact your local Huawei office or visit the Huawei Enterprise website: <http://e.huawei.com/en/>.



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