ArkFlex U Massive Data Storage Solution

Through high speed Ethernet, ArkFlex U distributes data across multiple storage nodes of a scalable data system. By addressing the scale-out problem of traditional single-host storage devices, warding off the risk of data damage due to device failures, and meeting the comprehensive storage needs, ArkFlex U presents the best solution for enterprises to build private cloud storage.

Six Unique Features

- Support NAS, SAN, Object protocols, and connects with Opentack
- Storage capacity skipping vertical design which can be scaled horizontally to massive PB level
- Unique Erasure Code technology with space availability up to 75%
- High availability and multiple storage nodes prevent data missing in case of hard disk failures
- Single management portal provides a personalized operation and maintenance interface
- Supports high-performance SSD and datatiering for easily meeting comprehensive needs

Strong Integration with Mellanox SX1012 Ethernet Switch

High speed Ethernet switch has an indispensible component of the ArkFlex U data storage solution. The Mellanox SX1012 Ethernet Switch has 12 10/40/56GbE ports which can be flexibly configured up to 48 10GbE ports. It perfectly supports the massive data switching of 4 to 22 ArkFlex U storage nodes that provide GB- to PB-level storage space to meet the needs of different storage sizes of SMEs and large organizations. Delivering the best Ethernet switches in performance, reliability and manageability, Mellanox is the best partner of Hope Bay Technologies!