

Data Sheet

Himalaya Service Provider & OEM Edition

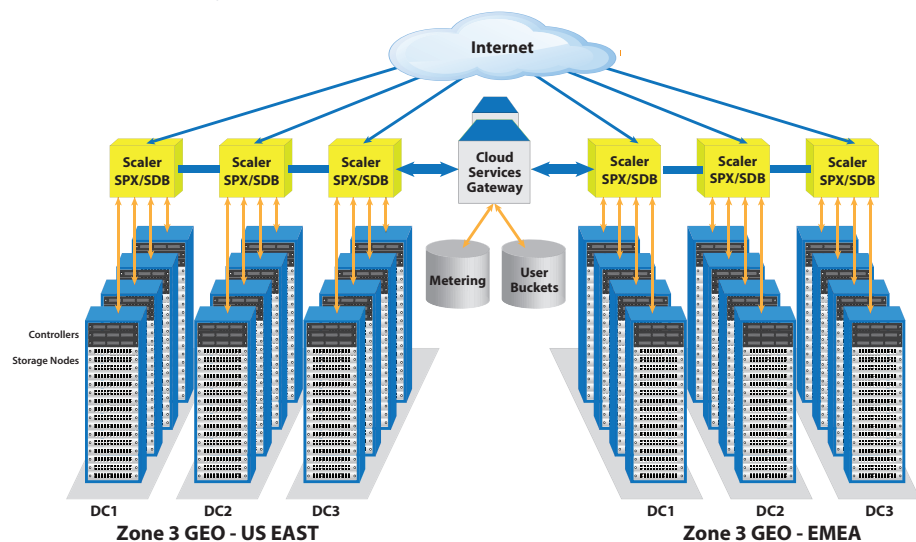


Quick Look

- A customizable platform for Service Provider and OEM-built solutions
- New heights of scale, security, services and flexibility
- Non-disruptive changes in customer configuration or allocation
- Services management to support multi-tenancy, multiple SLAs and high levels of visibility and reporting
- Advanced erasure code and storage management technology that reduces capacity and operational overhead
- Optimized for the latest Intel processors today and takes advantage of future processors without changes to the system
- Integration with Service Provider management, customer portal and CRM infrastructure
- OEM brand able software integrates with existing data management, work-flow front ends, and system management GUI

Amplidata's **Himalaya™ Service Provider and OEM Edition** software is versatile platform for massively-scalable, secure and flexible storage services and solutions. With Himalaya, you have the freedom to offer customers trillions of stored objects – 50+ exabytes of data – with more than 15 nines of data durability. Himalaya Service Provider and OEM Edition also comes with a rich set of management features, making it easy to meet monitoring, metering and billing needs as well as the storage flexibility demands of your clients. From multi-tenancy to non-disruptive changes in storage configurations, Himalaya easily adapts to the immediate needs of users without having to touch the hardware or the data. Himalaya's patented BitSpread® data protection and BitDynamics® data integrity and repair technology dramatically reduce required capacity and operational overhead. Himalaya runs on Intel-based commercial off the shelf hardware for reliable performance on the hardware of your choice.

Himalaya's 3D elastic scalability makes it easy to meet user needs along the following three key vectors; 1) Add scalar and cloud services gateways for additional global data access and an elastically scalable global namespace, 2) Increase capacity dynamically by adding one or more storage nodes, and 3) Scale IO throughput linearly with any number of additional high performance controller nodes. Himalaya also takes full advantage of gains in each new generation of processor technology without any changes to the rest of the system. The figure below shows a multi-site, multi-geo service provider configuration.



Why Himalaya Service Provider and OEM Edition

Himalaya helps you address customers' increasing data volume and velocity. It delivers massive capacity and performance scalability as well as advanced data and customer management in an efficient single tier of online storage that is more durable than conventional storage with tape. Its low total cost of ownership provides significant cost competitiveness without sacrificing margins.



Himalaya Service Provider and OEM Edition is designed to maximize performance from the latest Intel CPUs and scales with Moore's law to take full advantage of future technology advancements.

Patented BitSpread technology protects data with more than 15 nines of data durability and handles 19 simultaneous drive failures without losing data or access. Our patented BitDynamics technology provides data integrity, audit and self-healing in the background with minimal impact on system performance. GeoSpread offers disaster prevention by spreading data across multiple sites with a greater than 50 percent capacity savings versus traditional storage systems. System data remains protected and accessible even if an entire site becomes unavailable.

Himalaya is ideal for deployments from hundreds of terabytes to zettabytes. You can choose the hardware that is right for the environment and continue to offer future capacity or performance upgrades as storage and processor technology advances.

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Scalability	<ul style="list-style-type: none"> Zettabyte global object namespace capacity Trillions of objects per system and per bucket Unlimited buckets per system Ability to scale capacity, performance and global namespace online
Durability	<ul style="list-style-type: none"> Flexible policy supports multiple durability levels in single system Policy updates on-line to tune durability per bucket Built-in disaster prevention with multi-Geo support Rateless erasure coding with patented BitSpread Technology BitDynamics data integrity, audit and repair technology
Performance	<ul style="list-style-type: none"> 100's MB/s single stream performance Linear scalable aggregate performance Small file performance optimization
Consistency	<ul style="list-style-type: none"> Enterprise class consistency across data and metadata
Multi Geo	<ul style="list-style-type: none"> Native synchronous multi-geo support WAN latency performance optimization
Services/Metering	<ul style="list-style-type: none"> Granular capacity / bandwidth / transactions Distributed collection and aggregation Export to billing & chargeback systems QoS: Support for multiple SLA
Security	<ul style="list-style-type: none"> Network SSL/TSL Data AES256 encryption, public key management Compliance: audit log, retention, shredding Web: S3 LDAP authentication
Manageability	<ul style="list-style-type: none"> Easy to use global GUI Automated installation and rolling upgrades Routed/Bridged network support SNMP Traps and MIB Email event notification and daily call home
Hardware Support	<ul style="list-style-type: none"> Optimized for the latest Intel-based COTS hardware HDD/SSD hot swap HDD fail in place without degrading performance Hardware abstraction templates Degraded disk prediction & detection Automated disk decommissioning
Professional Services	<ul style="list-style-type: none"> Platform and API integration services