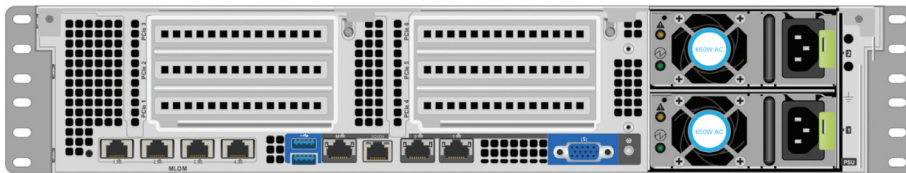




Cohesity + Cisco C240 M4 - Solutions Brief

The exponential data growth in today's enterprises demands a next generation storage architecture to store, manage and consolidate diverse business needs in a cost-effective platform. As flash technology becomes mainstream, innovative storage architectures for both primary and secondary storage are taking advantage and delivering unparalleled cost and performance efficiencies to the end customer.

Cohesity, the leader in hyperconverged secondary storage, and Cisco are teaming up to deliver a distributed, scaleout secondary storage platform. The platform combines the best of both worlds: Cisco's hardware stack and Cohesity's software stack. Cisco with its C-Series rack-based servers, takes advantage of standards-based unified computing innovations to significantly reduce customers' TCO and increase business agility. Additionally the Cohesity storage stack provides hyperconverged storage that enables unification of secondary storage workflows such as backup, test/dev, file services and analytics using the power of flash on the Cisco C240 M4 platform. Cohesity empowers companies to control the growing volume of data by replacing the sprawl of point solutions with a single consolidated platform.



Cisco UCS C240 M4 Rack Server is an enterprise-class server designed to deliver exceptional performance, expandability and efficiency for storage and I/O-intensive infrastructure workloads. This includes big data analytics, virtualization and graphics-rich and bare-metal applications.

The Cisco UCS C240 M4 server can be deployed standalone or as part of the Cisco Unified Computing System (UCS). Cisco UCS unifies computing, networking, management, virtualization and storage access into a single integrated architecture that can enable end-to-end server visibility, management and control in both bare-metal and virtualized environments.

Cohesity delivers the hyperconverged secondary storage software stack with a web-scale architecture to deliver pay-as-you-go simplicity with the power to store, protect and learn from your secondary data. Cohesity converges the server and storage and consolidates backup, test/dev, file services and analytics. As a result, this simplifies data management with immediate cost savings and greater business insight into the data.

Start with 3x C240 M4 rack servers for a total of 128TB HDD and 9.6TB of PCIe-based NVMe Flash and then easily add nodes to scale both capacity and performance. Cohesity storage data platform provides comprehensive solutions for data backup, restore, clone, remote site replication and disaster recovery, archival and full integration with public and private clouds. In addition, Cohesity natively supports features such as deduplication, compression, encryption and cloud tiering. The patent-pending SnapTree™ technology allows for frequent and unlimited snapshots thus reducing RTOs and RPOs to minutes. With the



Key Benefits

- Top-of-the line Cisco UCS hardware unified with fully distributed Cohesity storage software architecture purpose-built for hyperconverged secondary storage to deliver unmatched performance.
- Infinitely scalable architecture with pay-as-you-grow scaling to address growing storage needs for data protection as well as expanding compute resources for test/dev and analytics.
- Radically simplify and reduce costs of backup with a web-scale architecture that offers global deduplication for greater data efficiency, while also transforming the backup into live test/dev.
- Eliminate forklift upgrades associated with traditional backup architectures.
- Small footprint platform that simplifies management, eliminates storage sprawl and reduces power consumption.

platform's virtual clone technology, one can instantly spin-out test/development copies from the backed up datasets. The platform also provides search and analytics capability, leveraging the Elastic Search and MapReduce framework. Additionally, with support for NFS and SMB protocols as well as cloud archive and tiering, the Cohesity Storage Data Platform running on UCS C240 M4 provides a flexible, versatile and powerful approach to building the ultimate hybrid cloud.

Feature/Benefits

Simplicity

Plug and Play Installation: This combined solution of Cisco UCS + Cohesity is designed to be up and running in under an hour, eliminating the need for expensive professional services.

Effortless Configuration: Once the C240 M4 cluster has been provisioned either as standalone or UCS managed servers, storage policies can be set up in minutes on the Cohesity software platform to enable backup, replication and archival. Both solutions leverage intuitive, web-based management consoles and offer non-disruptive upgrades.

Pay-as-You-Grow Scaling: Both Cisco and Cohesity solutions enable the pay-as-you-grow model — buy only what you need when you need it. Simply add another C240 M4 node when you need additional secondary storage capacity. The Cohesity fully distributed storage software will incorporate all the storage resources from the new node and expand the storage footprint for backup while also growing the compute resources for test/dev and analytics.

High Availability and Non-Disruptive Upgrades: As a combined solution, Cisco and Cohesity deliver comprehensive hardware and software resiliency with hot-swappable components to handle node, network, disk and CPU/memory failures. Additionally, non-disruptive upgrades further enable zero downtime.

Performance

C240 M4 comes with Dual Intel® Xeon® E5-2600 v3 processors for improved performance suitable for nearly all two-socket applications. The C240 M4 platform is particularly helpful for next generation scale-out storage software as it is purpose-built for storage and I/O-intensive infrastructure workloads. Cohesity's core vision is to bring compute to data. This vision requires ample compute and flash-optimized storage. C240 M4 specifications completely meet Cohesity's need for compute, storage and networking for an infinitely scalable platform.

App-Specific QoS: Cohesity follows up with application-specific QoS policies for the backup, test/dev and file services for your secondary storage workflows. Flash-optimization provided by C240 M4 combined with app-specific QoS, ensures that you are getting the best bang for your flash investment across your entire datacenter.

Efficiency

Data Reduction: Cohesity offers both inline and post process data reduction, configurable on a per workload basis.

Consolidation: The C240 M4 platform as part of UCS Fabric for hardware consolidation is easily managed with state of the art Service Profiles and Policies. This combined with Cohesity's storage architecture eliminates storage sprawl and consolidates data onto the best in class optimized flash tier and the most efficient hyperconverged secondary storage platform.

About Cohesity

Cohesity delivers the industry's first solution for secondary storage consolidation. Cohesity enables companies of all sizes to bring order to their data chaos by converging storage workloads, including file services, data protection, Test/Dev, and in-place analytics, onto an infinitely scalable, intelligent data platform. With Cohesity, customers can manage and protect data seamlessly, use it efficiently, and learn from it instantly. Cohesity is headquartered in the heart of Silicon Valley, California with a global presence across the Americas, EMEA, and APAC.