Rev. 1.1

Hammerspace and Cachengo®

Capture and analyze real-time data in edge, cloud and data center environments with Cachengo's integrated compute platform solutions; then store and orchestrate it across sites, clouds,and storage with Hammerspace

SOLUTION BRIEF

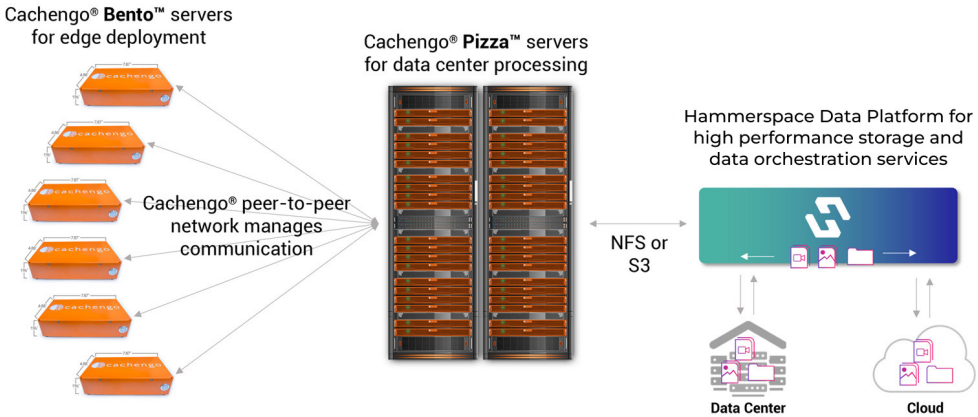
Solutions for Edge-Core-Cloud Data Capture, Processing, Storage and Orchestration

Today's workload applications and IT infrastructure span across edge, data center, and multi-cloud environments, creating data management complexity while increasing the burden on IT.

Cachengo® offers decentralized integrated compute data management solutions that are energy-efficient, scalable, cost-effective, and ideal for deployment in edge, cloud, and data center environments.

Hammerspace has partnered with Cachengo to be the hybrid-cloud and multi-cloud data orchestration provider for the file and object data captured at the edge.

With this partnership, customers now benefit from insights captured at the edge, along with simplified automated real-time data management services that ensure scalable and predictable performance across data centers and multi-cloud environments.



Benefits:

- **Unified Solution for Edge-Core-Cloud:** Capture and analyze at the edge, then store and orchestrate across data center and cloud environments
- **Energy-Efficient Compute Platform:** Cachengo's integrated compute platform provides energy-efficient and compact designs for edge and data center deployments
- **Gain Actionable Insights at the Source:** Use compact Cachengo® Bento™ boxes for real-time edge data capture and analysis
- **Automate Data Flow Between On-Premises and Cloud:** Hammerspace Data Orchestration services automate the flow of data within the Hammerspace Data Platform, which can span sites, clouds, and any storage

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Value of Cachengo's Integrated Compute Data Management Platform

Unlike standard server architectures where data must be sent to their computer systems that have added GPU components, Cachengo's integrated compute platform, called Symbiote®, is a credit-card-sized solid state disk that contains an integrated processor GPU and memory. Now, data can be calculated and actionable where it resides, vs. moving it to a separate system. This results in lower latency, complexities, power consumption, cost of ownership, and fewer security vulnerabilities.



Bento™ has an ultra-compact design, ideal for real-time AI-driven edge analytics. Height: 1.96", Width: 4.88", Depth: 7.87"

Pizza™ can easily scale to thousands of nodes to easily support data center and service provider environments, all within a compact 1U form factor.

The unique peer-to-peer network architecture seamlessly connects thousands of Symbiote® nodes, enabling massive scalability and enhanced data security. Additionally, Cachengo's unified marketplace simplifies deployment and management, with new services that are created and installed within minutes

How it Works:

1. Trusted and encrypted communication channels allow real-time data acquisition.
2. AI and analytics are actionable anywhere throughout deployment, whether at the edge or in the cloud.
3. Raw and calculated data is now shared through Cachengo's peer-to-peer encrypted and trusted model called **Rent-a-Node™**. The world's-first proprietary data management solution that decentralizes and democratizes AI, compute, and storage – fundamentally changing the economics of how customers use the public cloud.
4. Once files are stored in Hammerspace, "Hammerspace Data Orchestration" services automate the flow of data across storage systems, sites, and clouds.

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