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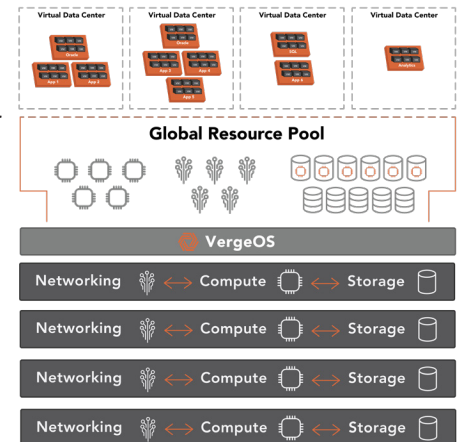# Ultraconverged Infrastructure (UCI), HCI Evolved

Key Benefits:

- **Reduce Costs:** 50% or more savings on day one!

- **Use Existing Hardware:** Break free from restrictive Hardware Compatibility Lists (HCLs) with a true vendor agnostic flexibility.

- **Improved Agility:** simpler provisioning, faster time-to-market, deploying applications faster, effortless scaling.

- **Increased Reliability:** Ensure high availability, redundancy and data protection, greatly minimizing downtime.

- **Enhanced Security:** Enjoy a robust full suite of built in advanced security measures like encryption, access controls, and much more, providing a solid, hardened foundation for your organization's data security strategy.

Top 3 Reasons to Choose VergeIO's UCI:

1. **Hyperconvergence Redefined:** VergeIO's UCI integrates virtualization, storage, and networking into a single, cohesive platform; VergeOS.
HCI simply repackages the three data center tiers as software but each tier still has its own code base, which decreases efficiency and increases complexity.

2. **Seamless Integration:** VergeIO's UCI seamlessly migrates from legacy hypervisors like VMware or Hyper-V, ensuring a smooth transition without disrupting operations. VergeOS provides a flexible and scalable infrastructure foundation for your organization.

3. **Enhanced Performance:** Because of VergeOS' efficiency you can deliver improved performance and higher virtual machine density. Benefit from high-speed processing, and reduced latency, enabling faster application delivery and better user experiences.

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Scalability and Flexibility:

VergeIO's UCI architecture offers seamless scalability to accommodate the evolving needs of your organization. Easily scale up or down by adding or removing nodes, ensuring optimal resource utilization and cost efficiency.

Improved Agility:

VergeIO's UCI empowers organizations with enhanced agility and faster time-to-market. Provisioning resources, deploying applications, and scaling infrastructure become quick and efficient processes, enabling rapid response to changing business requirements.

Vendor-agnostic Approach:

Unlike traditional HCI, VergeIO's UCI adopts a vendor-agnostic approach, allowing organizations the freedom to choose the best hardware and software solutions that meet their specific needs. Enjoy the flexibility to leverage existing hardware investments or explore new technologies without vendor lock-in.

Simplified Management:

With VergeIO's UCI solution, enjoy centralized management and streamlined operations. The intuitive interface and robust management tools simplify routine tasks, allowing your IT team to focus on strategic initiatives rather than day-to-day maintenance.

Increased Reliability:

Ensure high availability and data protection with VergeIO's UCI solution. Built-in redundancy and advanced data protection mechanisms safeguard your critical workloads against failures, minimizing downtime and ensuring business continuity.

Ransomware Ready:

VergeIO enables organizations to increase the frequency of protection events, and increase retention capabilities. With VergeOS' IOfortify, IT can receive nearly real-time notifications of suspicious behavior and attacks. Benefit from VergeOS' ability to mount rather than copy, to restore when it comes to recovery.

Enhanced Security:

VergeIO prioritizes security by implementing robust measures to protect your data and infrastructure. Benefit from features like encryption, access controls, and integrated security solutions, providing a solid, hardened foundation for your organization's data security strategy.

SCALE VERTICAL

EDGE   SERVER ROOM   DATA CENTER   ENTERPRISE

SCALE SMALL   SCALE LARGE

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