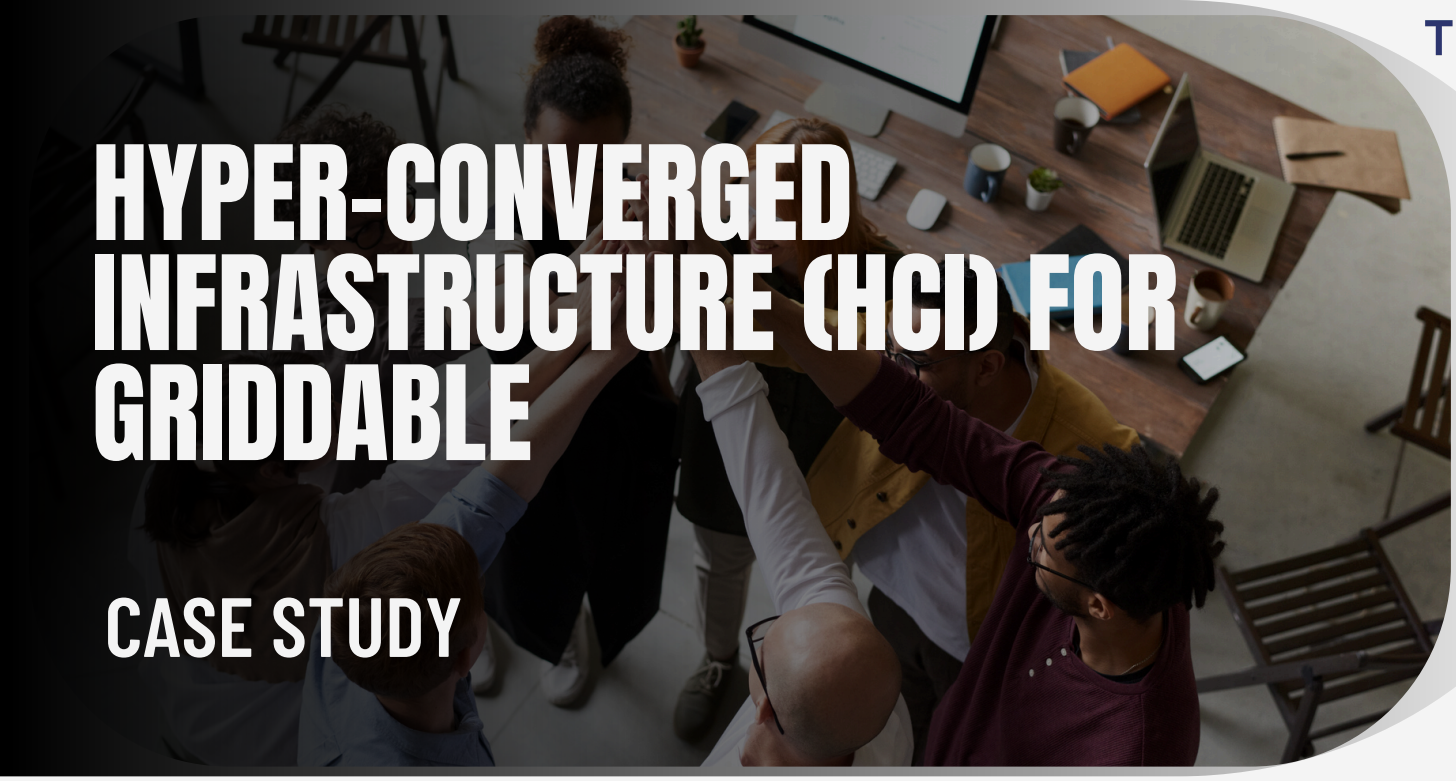


# HYPER-CONVERGED INFRASTRUCTURE (HCI) FOR GRIDDABLE

## CASE STUDY

## COMPANY OVERVIEW

Griddable.io offers a SaaS platform for synchronized data integration, designed to create globally unified enterprises. Built to enhance rather than replace traditional databases, it introduces a fresh approach to seamless, synchronous data integration.

## CHALLENGE

To offer their services to a wider customerbase, Griddable needed a high performance grid infrastructure to synchronize heterogeneous databases in real time. This required building a resilient scale-out grid architecture that guarantees transactional consistency. The grid also needed to support flexible 1:1, 1:N, and N:M topologies.

## SPECIFIC ISSUES

- High-performance grid infrastructure needed to synchronize heterogeneous databases in real time.
- Requirement for a resilient scale-out grid architecture ensuring transactional consistency.
- Need to support flexible topologies, including 1:1, 1:N, and N:M topologies.
- Service availability required across various public clouds.
- Capability to perform data migration and synchronization from on-premise or cloud databases to cloud destinations, even across different clouds.
- The founding team sought a specialist partner to build and manage their critical platform effectively.

## SOLUTION

- Focused on performance at scale, manageability, and total cost of ownership (TCO) while designing the solution.
- Proposed a Hyper Converged Infrastructure (HCI) design over a conventional 3-tier architecture.
- Key components of the platform included:
- VMware-based HCI solution with vSAN and vSphere, complemented by NetApp storage arrays.
- Dedicated 10 Gigabit network fabric for enhanced connectivity.
- Kubernetes orchestration platform for container management.

## BENEFITS

- Reduced TCO by over 50% and especially reduced initial capex for storage costs.
- Cut down time to market by building the platform in weeks rather than months.
- Ensured compliance to best in class IT infrastructure building practices as ratified by audits by Griddable.io enterprise clients and the platform performance.
- Specifically by providing a quick turnaround time for custom configuration requests while onboarding enterprise client POCs & demos.