

Applications are evolving from a rigid monolithic architecture to an agile microservices-based architecture. Choose Hitachi Storage Plug-in for Containers to help you address the challenges of this modern development model.

DATASHEET

Hitachi Storage Plug-in for Containers

Extract the Most Value From Your Hitachi Storage

Persistent Storage for Containerized Applications

Hitachi Storage Plug-in for Containers provides connectivity between Docker containers and Hitachi Virtual Storage Platform (VSP) G series (Gx00 and G1x00) and VSP F series (Fx00 and F1x00) enterprise-class hybrid and all-flash storage platforms. With the compatibility plug-in, organizations can deliver shared storage for Docker containers that persists beyond the timeline of a single Docker host. This approach is essential for enabling DevOps and agile IT efforts and makes stateful application development efforts available for container-based workloads. In addition, the storage plug-in enables the advanced storage capabilities of Hitachi VSP G series and VSP F series. These storage platforms provide features such as automation, high availability, seamless replication and analytics (see Figure 1).

Scalability, Developer Efficiency and Application Modernization

Business is turning to the use of container-based applications to help accelerate time to value and enhance developer productivity. This leads to an inevitable effort to modernize legacy applications. These

efforts take a few different paths that can be broken down into categories: “lift and shift” (legacy application migrated to containers), refactoring legacy applications (repurposing monolithic code into microservice-based operations), and greenfield deployments (net-new software, microservice-based).

Support Critical DevOps, Cloud and Agile Software Development

Modern service delivery involves using technology to engage customers. To achieve this, organizations must break down silos to connect developers with business stakeholders. DevOps, cloud and agile software development are all key IT initiatives designed to reduce friction and increase speed, portability and communication between developers, operations teams and other parts of the business. This is where containers deliver an advantage. The most popular philosophy on containers is that they are a key component of a DevOps strategy. In addition, they are tightly tied to private cloud initiatives and a key component of the movement to agile development processes. Containers enable microservices, and microservice architecture supports the continuous delivery and deployment of large, complex applications, allowing an organization to quickly evolve its technology stack.

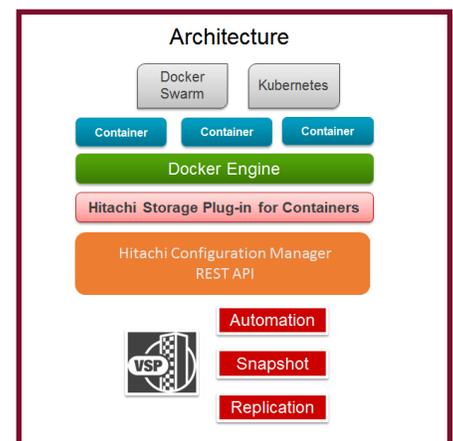


Figure 1. Hitachi Storage Plug-in for Containers connects Docker containers and Hitachi Virtual Storage Platform hybrid and all-flash storage.

Reduced Costs and Increased Agility

Containers are a full magnitude lighter than virtual machines, which contain complete guest operating systems and are therefore usually three to five times as large. Furthermore, containers support iterative software development and modern DevOps, enabling the enterprise to deliver products and services faster than ever before.

The Hitachi Storage Plug-in for Containers is Container Storage Interface (CSI) compliant and adheres to this common API standard for container orchestration.

FEATURES AND BENEFITS: HITACHI STORAGE PLUG-IN FOR CONTAINERS

Feature	Customer Benefit	Integration with Hitachi Software
Persistent Storage for Containers	Automated and dynamic provisioning of persistent volumes to run stateful applications inside containers.	Hitachi Storage Virtualization Operating System (SVOS) 7.1 or later
Snapshot, Clone and Restore	Enables rapid copy creation for immediate use in decision support, software development and data protection operations.	Hitachi ShadowImage

[Learn more](#) about how Hitachi all-flash and hybrid storage can meet your needs with industry-leading efficiency.



Hitachi Vantara at a Glance

Your data is the key to new revenue, better customer experiences and lower costs. With technology and expertise, Hitachi Vantara drives data to meaningful outcomes.

Hitachi Vantara



Corporate Headquarters
2535 Augustine Drive
Santa Clara, CA 95054 USA
HitachiVantara.com | community.HitachiVantara.com

Contact Information
USA: 1-800-446-0744
Global: 1-858-547-4526
HitachiVantara.com/contact

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