

# Mission-Ready Infrastructure

## Building the Foundation for AI, Resiliency and Modern Government Operations

### Introduction

Modern government agencies are under growing pressure to operationalize AI, strengthen cyber resiliency, modernize data centers, support hybrid cloud operations, and manage rapidly expanding data environments, all while maintaining mission continuity and operational efficiency.

The challenge is that infrastructure environments have become increasingly fragmented and complex.

Many agencies are now managing disconnected storage, compute, networking, backup, AI, and cloud environments through siloed operational models that increase management overhead, limit visibility, complicate modernization, and slow mission agility.

At the same time, AI and data-intensive mission operations are placing entirely new demands on infrastructure.

This is why infrastructure has once again become strategic. It is no longer simply supporting the mission behind the scenes. Infrastructure now enables mission readiness itself.

### The Mission-Ready Infrastructure Framework

Mission-Ready Infrastructure is Hitachi Federal's framework for helping agencies modernize the infrastructure foundation supporting mission operations.

Rather than deploying disconnected infrastructure products independently, Mission-Ready Infrastructure brings together storage, compute, AI infrastructure, networking, cyber resiliency, hybrid cloud operations, and unified operational management into an integrated operational architecture designed for modern government environments.

Mission-Ready Infrastructure helps agencies:

- Simplify operational complexity
- Improve resiliency & recovery readiness
- Operationalize AI more effectively
- Modernize infrastructure incrementally

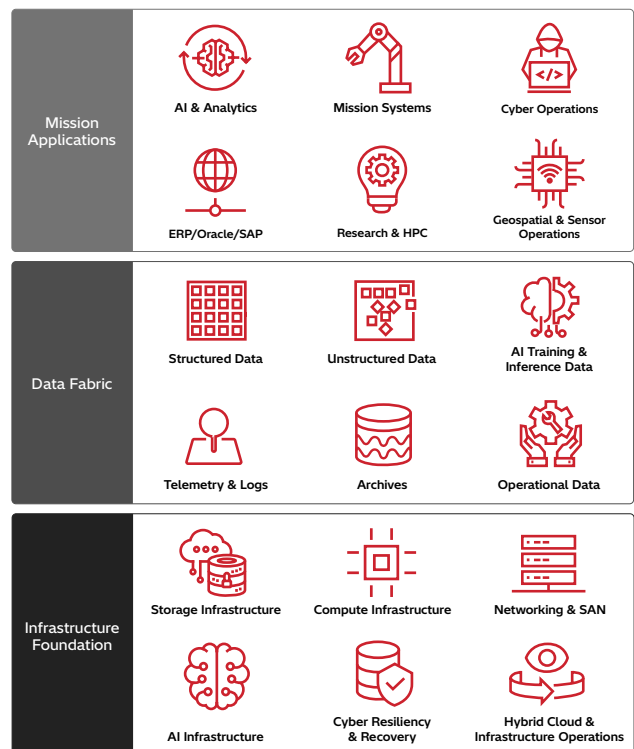
- Improve visibility across distributed operations
- Support hybrid cloud & edge environments
- Reduce infrastructure silos
- Accelerate mission modernization initiatives

Most importantly, Mission-Ready Infrastructure is designed around interoperability and operational simplicity.

Rather than forcing agencies into rigid proprietary architectures, Hitachi Federal helps organizations modernize infrastructure while preserving flexibility and simplifying operations.

### Mission-Ready Infrastructure Architecture

The Mission-Ready Infrastructure framework illustrates how unified data infrastructure, compute, AI infrastructure, cyber resiliency, networking, hybrid cloud operations, and unified observability work together to create a more integrated, scalable, and operationally resilient environment for modern government missions.



## Unified Data & Storage Infrastructure

### VSP One Block

Enterprise block storage engineered for mission-critical open systems and mainframe workloads requiring resiliency, performance, scalability, and continuous availability.

### VSP One Object

Object storage infrastructure designed for long-term retention, cyber recovery, hybrid cloud data strategies, and large-scale unstructured data repositories.

### VSP One File

Scalable file infrastructure designed to support AI pipelines, high-performance data operations, analytics, and large-scale unstructured data environments.

### Hitachi Content Software for File (HCSF) powered by WEKA

High-performance parallel file system designed to support AI, HPC, analytics, and distributed data operations.

### HCP Anywhere Enterprise powered by CTERA

File collaboration and edge services for secure access and distributed operations.

### Global Data Platform powered by Hammerspace

High-performance global data platform for AI, HPC, and distributed workloads.

## Compute Infrastructure

### Integrated Compute Platforms

Integrated compute architectures designed to support enterprise modernization, virtualization, AI operations, and mission-scale workloads.

### Supermicro Alliance Solutions

High-performance compute platforms supporting accelerated workloads, AI infrastructure, and scalable enterprise operations.

## AI Infrastructure & Agentic AI Operations

### Hitachi iQ

Integrated AI-ready infrastructure with accelerated compute in partnership with NVIDIA, scalable storage, networking, and AI data infrastructure in a pre-engineered stack.

### Hitachi iQ Studio

Agentic AI operations platform for orchestration, automation, and intelligent operations.

## Cyber Resiliency & Data Protection

### Hitachi Data Protection Suite (HDPS) powered by Commvault

Integrated backup, recovery, and cyber resiliency platform designed to improve operational continuity and simplify protection across distributed infrastructures.

### Immutable Infrastructure Architectures

Resilient storage and recovery environments designed to strengthen ransomware protection and accelerate operational recovery.

## Networking & SAN Infrastructure

### Brocade SAN Infrastructure

High-performance SAN connectivity solutions designed to support scalable data movement, enterprise virtualization, AI operations, and mission continuity.

## Hybrid Cloud & Infrastructure Services

### EverFlex

Infrastructure-as-a-Service solutions designed to provide flexible infrastructure consumption, hybrid operational consistency, and simplified lifecycle management.

## Unified Operations & Observability

### VSP 360

Unified infrastructure operations and observability platform providing centralized visibility, operational intelligence, automation, and lifecycle management across integrated infrastructure environments.

**Explore the full Mission-Ready Infrastructure framework.**

[www.hitachifederal.com/mission-ready-infrastructure/](http://www.hitachifederal.com/mission-ready-infrastructure/)

## Hitachi Federal

Corporate Headquarters  
11950 Democracy Drive, Suite 200  
Reston, VA 20190 USA  
[hitachifederal.com](http://hitachifederal.com)

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