NORSEMAN
DEFENSE TECHNOLOGIES

Storage at the Edge

As organizations increasingly rely on data-driven operations, the need for efficient, high-performance storage solutions at the edge has become critical. From remote industrial sites to military operations and healthcare facilities, organizations require low-latency access to data while ensuring security, redundancy, and scalability. Edge storage solutions enable real-time processing, reduce dependency on cloud connections, and support mission-critical workloads where every millisecond counts.

CHALLENGES

> **Ensuring Low-Latency Data Access**
> Edge environments demand real-time access to data for operational efficiency and decision-making. Traditional centralized storage solutions introduce latency that can hinder performance, particularly in mission-critical or remote deployments.

> **Managing Data Resilience and Redundancy**
> Operating in edge environments means dealing with connectivity issues, harsh conditions, and potential hardware failures. Without robust redundancy and failover mechanisms, data loss or corruption can disrupt operations.

> **Optimizing Storage for Bandwidth-Constrained Environments**
> Many edge locations rely on limited or intermittent network connectivity, making it essential to minimize data transfer loads. Optimizing storage for bandwidth efficiency ensures smooth operations even in constrained conditions.

> **Securing Edge Storage Against Cyber Threats**
> Decentralized storage introduces new security challenges, as edge sites often lack the same protections as centralized data centers. Preventing unauthorized access and ensuring data integrity are critical for secure operations.

Intro to Edge Computing

In today's fast-evolving landscape, the need for real-time data processing and actionable insights at the edge has become a critical priority for mission-critical operations. Odin's Edge, powered by Norseman Defense Technologies, is designed to address these demands by delivering scalable, high-performance computing solutions in ruggedized, portable environments. This solution brings unparalleled flexibility, enabling data-driven decisions at the tactical edge while ensuring robust security and seamless scalability.

Use cases

> **Automated ITSM for Remote Operations**
> By deploying ServiceNow's ITSM platform at the edge, enterprises can automate ticketing, asset management, and workflow orchestration locally.

> **AI-Driven Predictive Maintenance**
> By integrating ServiceNow with AI-driven predictive maintenance at the edge, organizations can analyze data from sensors in real-time to detect and schedule repairs.

> **IR andCybersecurity Automation**
> Deploying ServiceNow's Security Operations (SecOps) platform at the edge allows organizations to automate threat detection, enforce security policies, and respond to cyber incidents in real-time.

> **Field Service Optimization for the Edge**
> Coordinating field service teams in remote areas can be complex, especially with limited access to centralized IT support.

> **ServiceNow & AI for Disaster Response**
> ServiceNow at the edge enables automated resource allocation, communication tracking, and logistics management—ensuring that emergency responders can operate efficiently even in degraded network conditions.