Spectro Cloud: capabilities statement

About Spectro Cloud

Through our Spectro Cloud Government team, we deliver an enterprise management platform that provides consistent, secure and automated application infrastructure across cloud, data center, and tactical edge environments. Our flagship platform, Palette VerteX, enables mission owners to deploy and manage container and VM workloads at scale with full lifecycle control, strong security, and flexibility in underlying infrastructure.

Core capabilities

Multi-environment infrastructure as a service

Spectro Cloud provides full-stack lifecycle management across public clouds, on-premises data centers, bare metal, and edge, using declarative profiles to standardize OS, Kubernetes distribution, security stack, and observability. This allows platform teams to expose Kubernetes as a governed service to application teams while maintaining centralized policy and configuration control.

Tactical edge and disconnected operations

Palette supports deployment and management of advanced infrastructure on resource-constrained edge devices with low-touch installation, immutable images, and centrally orchestrated over-the-air updates. These capabilities align with the US Department of War's needs to run C2, ISR processing, and AI/ML inference forward in denied, intermittent, and limited-bandwidth environments.

Bare metal, GPU, and AI/ML workloads

Spectro Cloud enables bare metal Kubernetes and GPU-accelerated clusters, including integration with NVIDIA GPU management for AI/ML training and inference. This supports missions that require high-performance analytics, cyber defense tools, and sensor fusion workloads in on-premises or classified environments.

VM modernization on Kubernetes

Palette can run virtual machines alongside containers, enabling a unified platform for legacy and cloud-native workloads and supporting migration paths from traditional hypervisors. This lets programs modernize infrastructure and consolidate platforms without forcing immediate refactoring of mission-critical applications.

Security, compliance, and public sector focus

Palette VerteX adds hardened security controls, compliance features, and deployment patterns tailored to regulated and government environments, including support for air-gapped deployments and U.S. government cloud regions. Capabilities such as granular RBAC, image provenance, encryption, and policy-driven configuration enforcement align with expectations for mission systems. VerteX is supported by experts in continental USA.

Representative use cases

Enterprise to tactical edge mission platforms.
Standardizes a common, managed Kubernetes platform from strategic data centers to the tactical edge for container and VM workloads across multiple classification levels, accelerating delivery of C2, ISR and logistics applications while simplifying patching and configuration management for distributed forces

Tactical edge AI, C2, and ISR. Provides a secure, rapidly deployable edge platform for AI/ML inference, C2, and ISR processing on small form factor hardware in austere, disconnected environments, improving situational awareness and mission agility at the point of need.

Cyber operations and cyber ranges. Delivers a consistent multi-cloud and on-prem runtime for cyber tools, analytics, and cyber range infrastructure, improving speed to field while enforcing common security baselines and telemetry across heterogeneous environments.

Joint and combined operations. Enables lightweight, governable platforms for partner-nation missions, with central policy control and local execution at remote, coalition and low-infrastructure sites.

Air-gapped and high-assurance analytics.
Supports air-gapped, high-assurance deployments with strong lifecycle control, supply chain transparency and on-premises, GPU-accelerated analytics for data-intensive AI/ML workloads supporting IC and joint operations.

Differentiators

End-to-end stack control: Manages the full stack from OS through Kubernetes and add-ons, reducing integration burden for government platform teams, with highly automated lifecycle management.

Declarative Cluster Profiles: Standardized "golden" cluster profiles define pre-approved OS, Kubernetes distributions, security tools, and add-ons, allowing teams to rapidly instantiate compliant mission platforms with minimal manual configuration.

Cloud, data center, and edge in one platform: A single control plane for heterogeneous environments, avoiding siloed tools and improving operational visibility.

Designed for regulated and government use: Palette VerteX adds controls, certifications and patterns tailored for public sector and sensitive workloads.

Credentials

Spectro Cloud has earned a host of awards and credentials specifically relevant to our operations in the public sector, including FIPS 140–3 Validated, FedRAMP 20× Low ATO and FedRAMP Moderate In Process, UK Cyber Essentials Certified, ISO 27001, SOC 2 Type 2, Joint Certification Program Approved, Platform One Solutions Marketplace Awardable and CDAO Tradewinds Solutions Marketplace Awardable. Copies of our certificates are available on request.

Contact us

For more information about Spectro Cloud, contact **gov@spectrocloud.com** or visit **spectrocloud.com**.

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