Spectro Cloud

Enabling **secure, sovereign, and resilient mission infrastructure** from Data Centre to Edge

Spectro Cloud

SpectroCloud's mission

Spectro Cloud's mission is to provide the **secure infrastructure** foundation that powers modern national security mission delivering **sovereign**, zero-trust, and **mission-ready** compute across cloud, on-premises, tactical edge, air gapped and disconnected environments.

We help government and defence organisations modernise critical systems, adopt AI and advanced technologies with confidence, secure their software supply chains, and maintain operational superiority in contested and complex environments **at scale** —without sacrificing control, compliance, or mission assurance.

Spectro Cloud

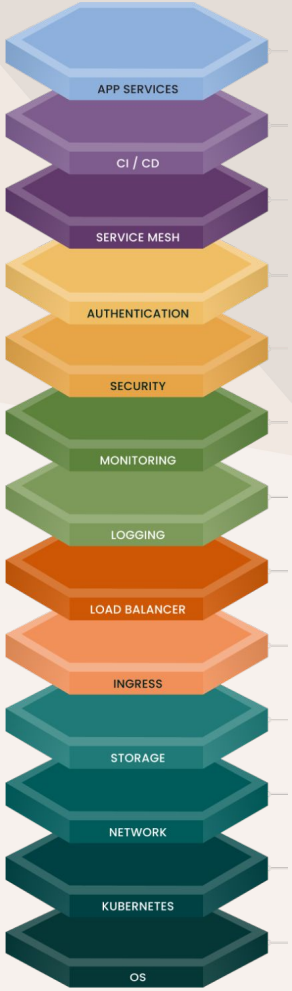
- **Founded** in 2019 by Tenry Fu (CEO), Saad Malik (CTO) and Gautam Joshi (VP Engineering)
- Kubernetes rapidly becoming the standard for containerised applications - recognised many organisations struggling **complexity of deploying and managing Kubernetes at scale**, especially across hybrid, multi-cloud, bare-metal and edge environments
- **Goal** - create a unified platform to simplify and automate the **full lifecycle management of Kubernetes clusters**, giving enterprises consistency, control, governance and security across all environments instead of bespoke, hand-built solutions.
- Launched Palette in 2020, VerteX followed in 2023
- Gained global customers such as Yum Brands, GE Healthcare, T-Mobile. Trusted by Front Line Commands at US DoW on key programs of record
- Backed by Goldman Sachs, Qualcomm Ventures, T-Mobile Venture, Stripe

Palette
by Spectro Cloud

VerteX

Spectro Cloud provides **Full-Stack**, **Declarative Platform Solutions** to manage **AI**, modern **containerised** and **legacy** VM **workloads**:

- Air Gapped, On-Prem, Hybrid, Public Cloud, KaaS & Edge
- A single deployment orchestrating 10k+ clusters
- Cluster Profile for 'all-as code' approach removes drift
- Any CNCF project or certified Kubernetes Distribution
- Palette AI provides simplification for AI deployments, allowing democratisation and control of AI deployments



"Palette provides a rock-solid foundation for the container ecosystem.
It helps developers accelerate application innovation and drives operational efficiencies for our platform teams to deliver a managed Kubernetes offering at scale without compromising operations." - Brian King, VP and CIO

NVIDIA Preferred Partner

Gartner predicts that by 2028, 95% of new AI deployments will run on Kubernetes

bit.ly/goe-25

Spectro Cloud

T-Mobile

How We Help

Palette by Spectro Cloud

VerteX

Platform
Full-Stack Multi-Cluster Management Anywhere

+ Global Control & Visibility
+ Policy, Standards, & Compliance
+ Full CNCF Landscape
+ Full Lifecycle at Scale

Legacy Workload & Container Unification

+ Workload Modernisation
+ Automated Resolution of Issues
+ Open Source, Reliable & Performant

Full Stack Compliance & Control

+ Immutable OS
+ Secure Boot
+ Policy & Guardrails remove Drift
+ Declarative, Async Resolution
+ FIPS 140-3 & FEDRAMP

AI Management from Data Centre to Edge

+ Modern AI Extensible Solution
  + Training
  + Inference
  + Distribution
+ Policy & Standards
+ Full-Stack AI Management (metal to model anywhere)

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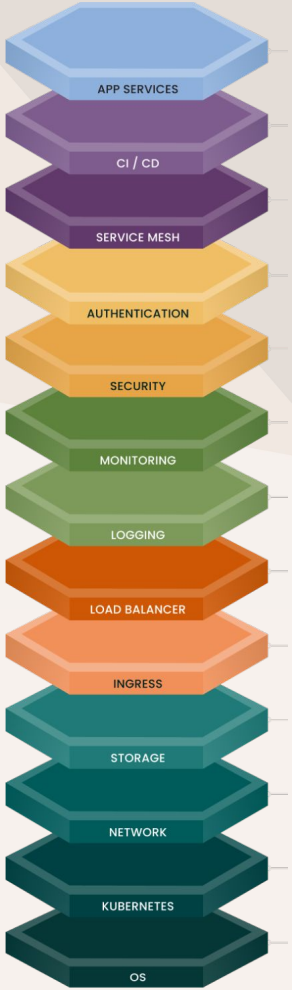


Differentiators

1

Declarative Full Stack Automation

Maintain full control over the stack, from the operating system and middleware to end-user applications by leveraging reusable "cluster profiles" for efficient and standardized scale.

Why Does This Matter?

- Operating K8s at any degree of scale increases risk to the business.
- Orgs experience high risk of misconfigurations that lead to outages or security incidents.
- Risk grows exponentially with the number of deployed and managed clusters.

2

Non-Opinionated Approach

Select the CNCF ecosystem solutions that fit your needs —without being locked into rigid platform decisions or standards.

Why Does This Matter?

- The technology of today won't be the technology of tomorrow.
- It is important to have the flexibility to incorporate the ever evolving landscape of solutions that support Kubernetes in a quick and safe manner.

3

Central Management Plane

Manage and deploy all clusters from one place, eliminating the need to deploy a management solution in every operating target.

Why Does This Matter?

- Deploying a management solution into every operating environment creates a large amount of operational overhead.
- Increased complexity and manual intervention elevate risk.

4

Multiple Deployment Methods

Dedicated SaaS, Managed SaaS, Self-hosted, FIPS Certified, & Airgapped.

Why Does This Matter?

- Enterprises have diverse operating needs and requirements.
- Some embrace SaaS while others reject.
- Solutions must offer flexible deployment options to meet requirements now and in the future.

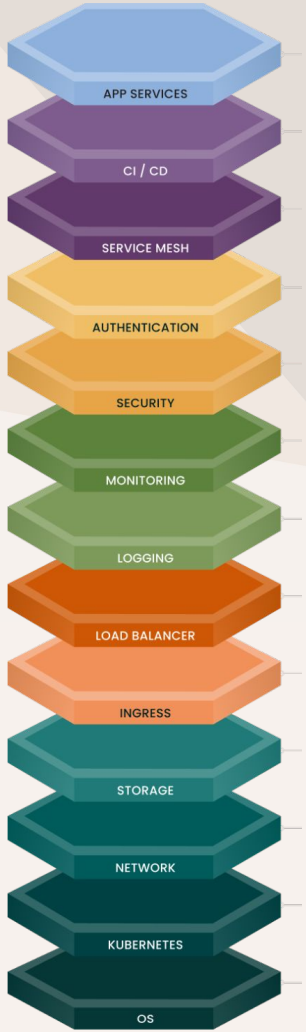
5

Edge Support

Seamless workflows at the edge that are consistent with all other environments. Low-to-zero touch deployments at scale.

Why Does This Matter?

- Disparate processes add complexity and amplify risk.
- Kubernetes operations don't follow a consistent workflow across all deployment targets.
- Edge operations come with unique challenges that compound without standardized workflows.



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Edge use case

✓Spectro Cloud Enables

Rugged Edge Compute [1]

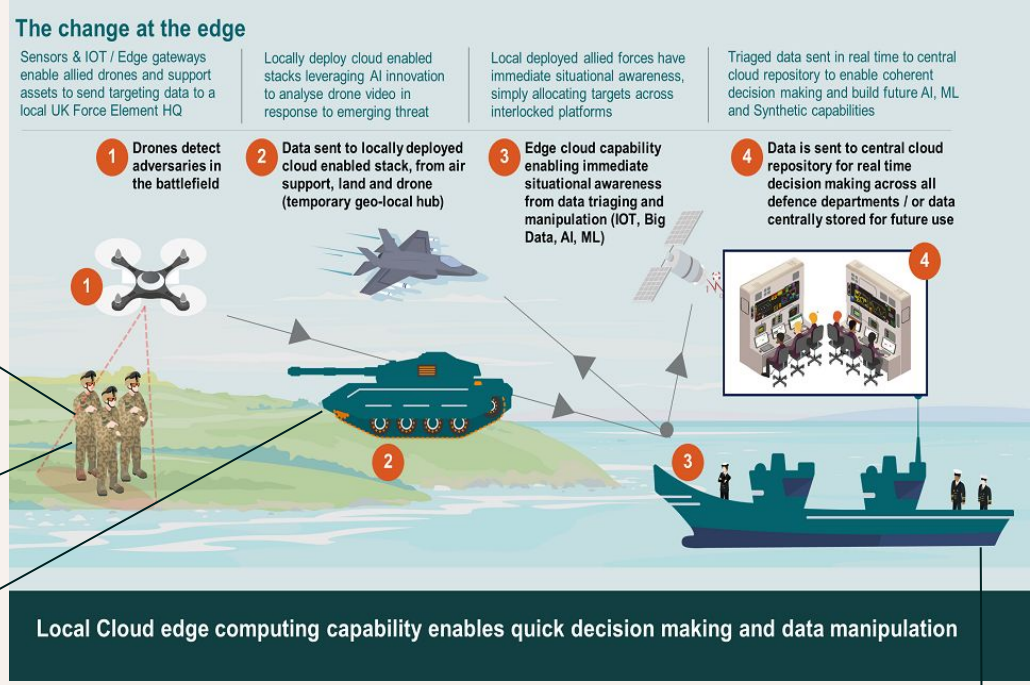
- ✓ Secure/Small/Immutable OS
- ✓ Micro Model AI Inference
- ✓ Asynchronous distribution
- ✓ Declarative ,management
- ✓ Secure Boot

System on a Chip [1]

- ✓ Sensor interface & IOT
- ✓ Secure Boot
- ✓ ARM64 interface
- ✓ Mesh network ability

Geo Local Hub [2]

- ✓ Larger SFF (GPU Options)
- ✓ Resilient Compute
- ✓ Local embedding & publishing multi-modal RAG for example



Central Cloud (Edge DC [4])

- ✓ Air Gapped Platform Management
- ✓ AI Training Management
- ✓ AI Model as a Service
- ✓ Device Fleet Management
- ✓ Highly Available
- ✓ Unified VM and Containers

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U.S. AIR FORCE

Key Outcomes

- **Eliminated vendor lock-in** with OS and K8s-agnostic platform
- Futureproof **scale** to thousands of clusters
- Reduced security risk with **FIPS 140-3 compliance** across platform and all clusters
- **Flexible management model** with local and central management mode