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STRATUM Launches Datacenter as an Application, Turning Complete Virtual Infrastructure Into a Deployable OCI Artifact

Version 1.0 packages compute, networking, storage, security, topology, consoles and operations into portable virtual datacenters that can be versioned, moved and extended across hosts, sites and clouds.

UNITED STATES - August 1, 2026 - Cyber Ballistics Inc., doing business as STRATUMvisor, today introduced STRATUM Version 1.0 and a new infrastructure category: Datacenter as an Application. STRATUM packages a complete virtual datacenter and its operating model into OCI artifacts, allowing infrastructure to be distributed and managed through the same software supply-chain practices used for modern applications.

Traditional virtualization made servers flexible, but left the surrounding datacenter as a collection of separately installed systems and assumptions. STRATUM moves the virtualization boundary down to the fabric itself. The platform models explicit ports, logical wiring, switching, routing, firewalls, networks, hosts, storage, accelerators, workloads, consoles, topology and operational relationships as one connected environment.

"Virtualization abstracted the server, but the datacenter remained a hand-built dependency. STRATUM moves the boundary down to the fabric itself," said Kevin Caldwell, CTO of STRATUMvisor. "Cloud made applications portable. STRATUM makes the datacenter portable."

From Infrastructure as Code to infrastructure as an artifact

Infrastructure as Code can describe how resources should be created, but the resulting platform still depends on providers, external management services and site-specific integration. STRATUM's OCI artifact is the packaged operating environment: the platform, configuration, topology and connected intent required to reconstruct and operate the virtual datacenter.

Because STRATUM uses OCI distribution, infrastructure releases can be content-addressed, signed, scanned, attached to SBOM and provenance records, promoted through policy gates, replicated through private or disconnected registries, and rolled back to known versions. Layer-based updates can reduce transfer requirements by moving only changed content.

One operating model across Linux, Kubernetes, cloud and edge

STRATUM Version 1.0 is designed for standalone Linux hosts using Docker or Podman, existing Kubernetes environments through Helm, and evaluation or commercial appliance deployment on selected virtualization and cloud platforms. The same operating model can begin on one host and extend across clusters, datacenters, cloud regions and disconnected edge locations.

Within that substrate, organizations can create separate virtual datacenters containing their own systems, networks, storage, policies, identities and operations. Unlike workload-only portability, the virtual datacenter boundary travels with the artifact.

Version 1.0 highlights

- Datacenter as an OCI artifact, with versioned platform, configuration and topology.
- Integrated virtual machine, container, network, storage, console and lifecycle operations.
- Explicit modeling of ports, interfaces, wiring, switches, networks and workload attachment points.
- Virtual datacenters that can share infrastructure or extend across multiple locations.
- OCI registry workflows for signatures, scans, SBOMs, provenance, promotion and rollback.
- Live STRATUMOPS topology for infrastructure, schedulers, workloads, networks, storage, accelerators, dependencies and impact radius.
- x86-64 and Arm64 delivery paths, subject to the final Version 1.0 compatibility matrix.
- Community, Evaluation and Commercial entitlement options.

Availability

STRATUM Version 1.0 is targeted for availability on August 1, 2026 from www.stratumvisor.com. STRATUM Community is free for one physical Linux host and non-production use under a renewable 90-day entitlement. Evaluation and Commercial entitlements govern production use, capacity, term and support. Appliance deployment requires an Evaluation or Commercial entitlement.

About STRATUMvisor

Cyber Ballistics Inc., founded in 2025 and doing business as STRATUMvisor, develops infrastructure software for portable, reproducible and operationally demanding environments. STRATUMvisor created STRATUM to make the complete virtual datacenter - not just its workloads - deployable as a modern software artifact. Learn more at www.stratumvisor.com.

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STRATUM® technology is the subject of multiple pending U.S. patent applications.