



STRATUM

DATACENTER AS A DEPLOYABLE ARTIFACT

Deploy the datacenter.

STRATUM PRESS KIT

Version 1.0 launch & company introduction

DATACENTER AS AN APPLICATION

Package the operating environment.

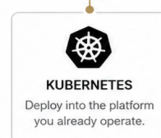
Move from assembling a platform to deploying a complete virtual datacenter as an OCI artifact.

TRADITIONAL PLATFORM ASSEMBLY

Independent systems, dependencies, and lifecycle domains.

	Applications + Kubernetes	WORKLOADS
	Automation + Monitoring	OPERATIONS
	Identity + Policy + Firewalls	SECURITY
	Switching + Routing + Overlays	NETWORK
	Images + Volumes + Snapshots	STORAGE
	Hypervisor + Host Runtime	COMPUTE

STRATUM PACKAGES THE WHOLE DATACENTER.



Cloud made applications portable. STRATUM makes the datacenter portable.

TARGET LAUNCH: OCTOBER 1, 2026

Cyber Ballistics Inc. dba STRATUMvisor – www.stratumvisor.com

Press contact press@stratumvisor.com

MEDIA AT A GLANCE

STRATUM defines Datacenter as an Application.

A new infrastructure category in which complete virtual infrastructure is packaged, deployed, moved and managed through OCI artifacts.

“Cloud made applications portable. STRATUM makes the datacenter portable.”

LEAD MESSAGE	DATACENTER AS A DEPLOYABLE ARTIFACT. Deploy the datacenter.
PRODUCT	STRATUM
COMPANY	Cyber Ballistics Inc. doing business as STRATUMvisor
CATEGORY	Datacenter as an Application
TARGET LAUNCH	Version 1.0 & company introduction; August 1, 2026 target
WEBSITE	www.stratumvisor.com
PRESS CONTACT	press@stratumvisor.com

Approved short description

STRATUM is Datacenter as an Application: a new infrastructure category that packages complete virtual infrastructure and its operating model into OCI artifacts. Unlike traditional virtualization, STRATUM models the fabric beneath workloads - wiring, ports, switching, routing, networks, hosts, storage, accelerators (GPU) and operational relationships - so complete virtual datacenters can be versioned, moved, reproduced and operated like software.

The defining distinction

STRATUM does not stop at virtual machines. It models and connects the infrastructure fabric beneath them—wiring, ports, switches, routers, firewalls, networks, hosts, storage, accelerators, and workloads—so complete virtual datacenters can be created, moved, versioned, and extended across sites and clouds.

What makes STRATUM fundamentally different is not only what it virtualizes, but how it is delivered. The complete datacenter is packaged as an OCI application container, allowing infrastructure to move through modern DevSecOps pipelines just like software: built, tested, signed, scanned, promoted, deployed, updated, and rolled back as a controlled artifact.

STRATUM turns the datacenter itself into an application.

Not another virtualization product. A different unit of infrastructure.

Traditional platforms install a stack, then ask teams to rebuild the environment around every location. STRATUM makes the virtual datacenter itself the unit of release.

Not merely a hypervisor

A hypervisor virtualizes compute. STRATUM packages the connected environment around compute - networks, ports, wiring, storage, policy, consoles, topology and operations.

Not merely Infrastructure as Code

IaC describes what should be built. STRATUM delivers the versioned operating environment that can be pulled and run.

Not another cloud stack

STRATUM is not a collection of management products that must be assembled at every site. The platform and operating model travel together.

Not workload-only portability

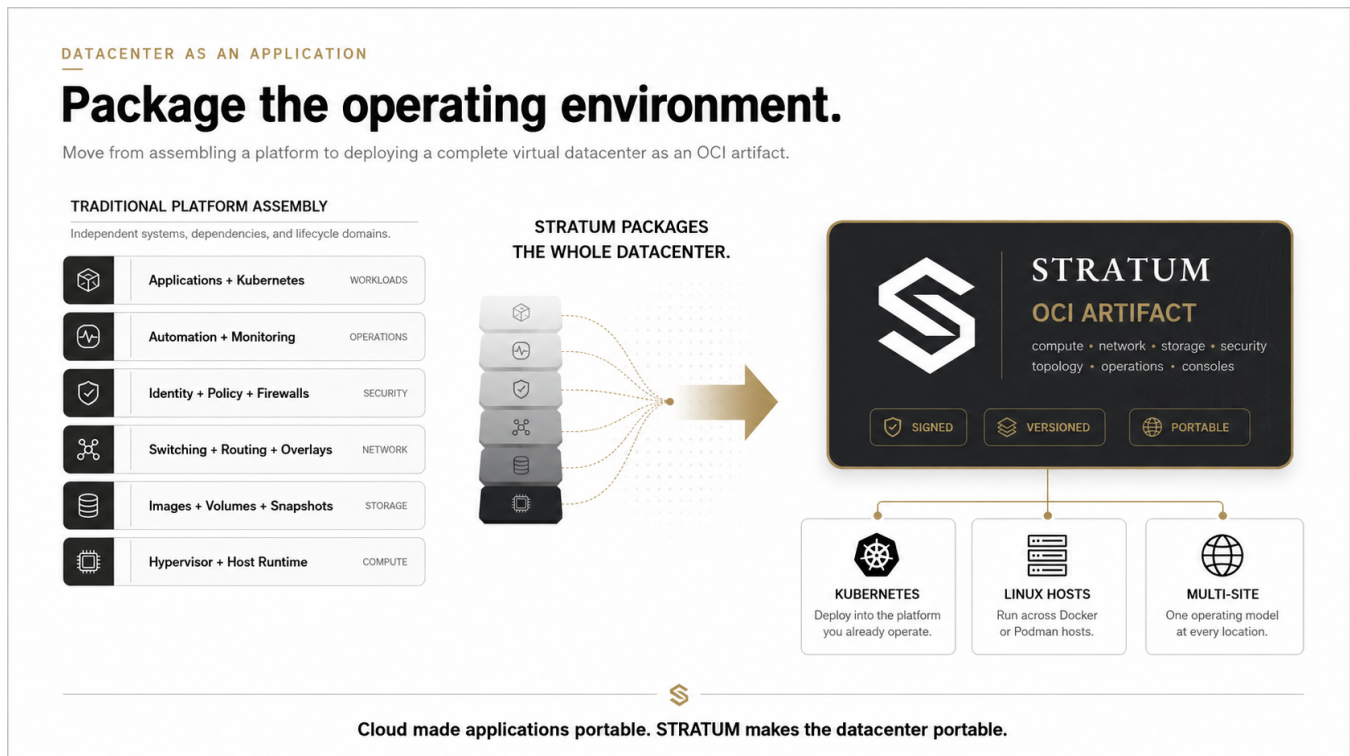
Containers move applications. STRATUM uses OCI artifacts to move the virtual datacenter that applications depend on.

Category statement

STRATUM is Datacenter as an Application: complete virtual infrastructure packaged and operated as a software artifact.

Package the operating environment.

Compute, networking, storage, security, topology, consoles and operations become one signed, versioned, portable OCI artifact.



Conceptual architecture illustration. The OCI artifact is the delivery and lifecycle boundary for the STRATUM platform and virtual datacenter model.

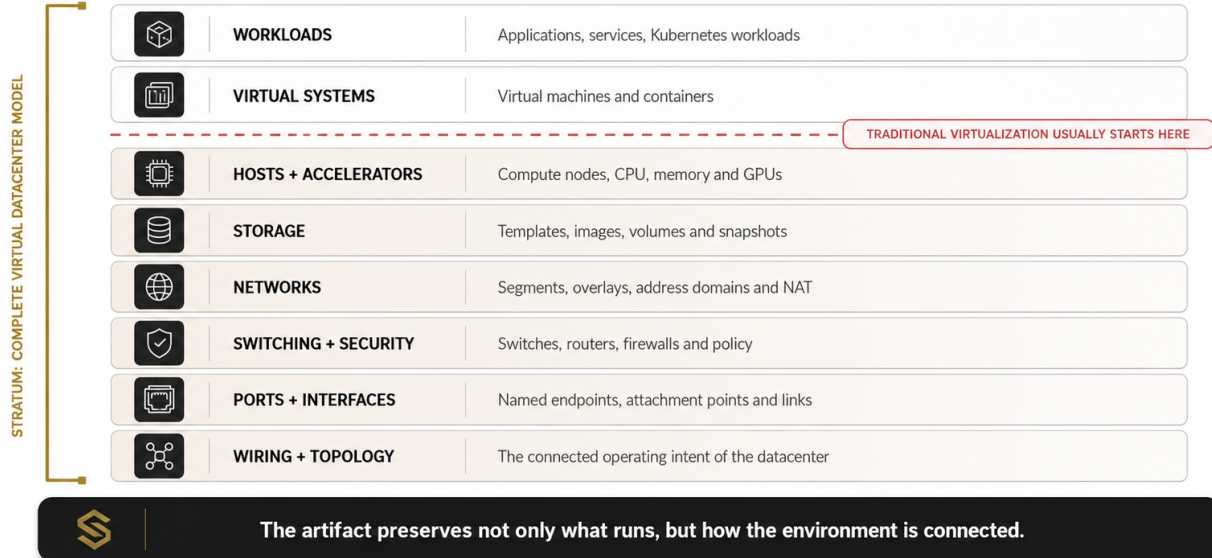
The boundary moves down to the fabric.

The crucial difference is the wiring: explicit ports, links and relationships are first-class infrastructure, not invisible assumptions outside the virtualization layer.

THE CATEGORY BOUNDARY MOVES DOWN

Virtualize the fabric, not just the machine.

STRATUM versions the explicit relationships beneath workloads - ports, wiring, switching, networks, hosts and storage.



STRATUM preserves both the systems and the connected operating intent of the virtual datacenter.

04 / VIRTUAL DATACENTERS

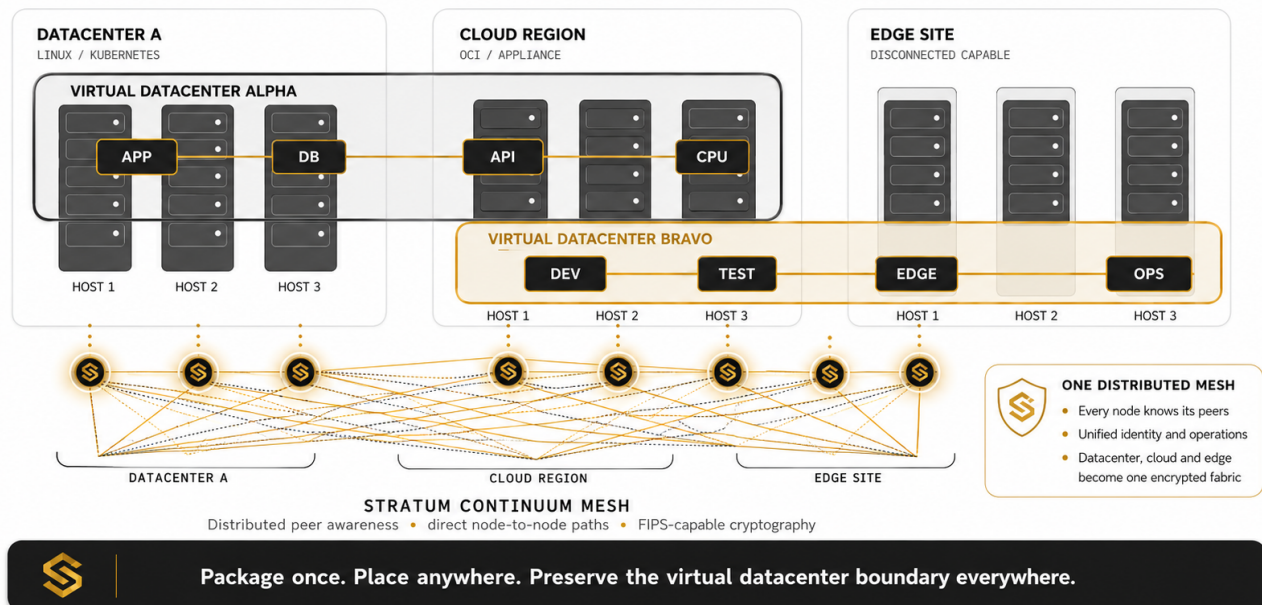
One substrate. Many sites. Multiple datacenters.

STRATUM can present datacenter, cloud and edge infrastructure as one operating continuum, then divide it into isolated virtual datacenters with their own systems, networks, storage, policies and operations.

VIRTUAL DATACENTERS

One substrate. Many sites. Multiple datacenters.

STRATUM Continuum Mesh forms a distributed, FIPS-capable encrypted mesh across datacenters, cloud regions and edge sites while preserving separation between virtual datacenters.



Conceptual multi-site model. Exact topology and isolation controls depend on deployment configuration.

05 / SUPPLY CHAIN

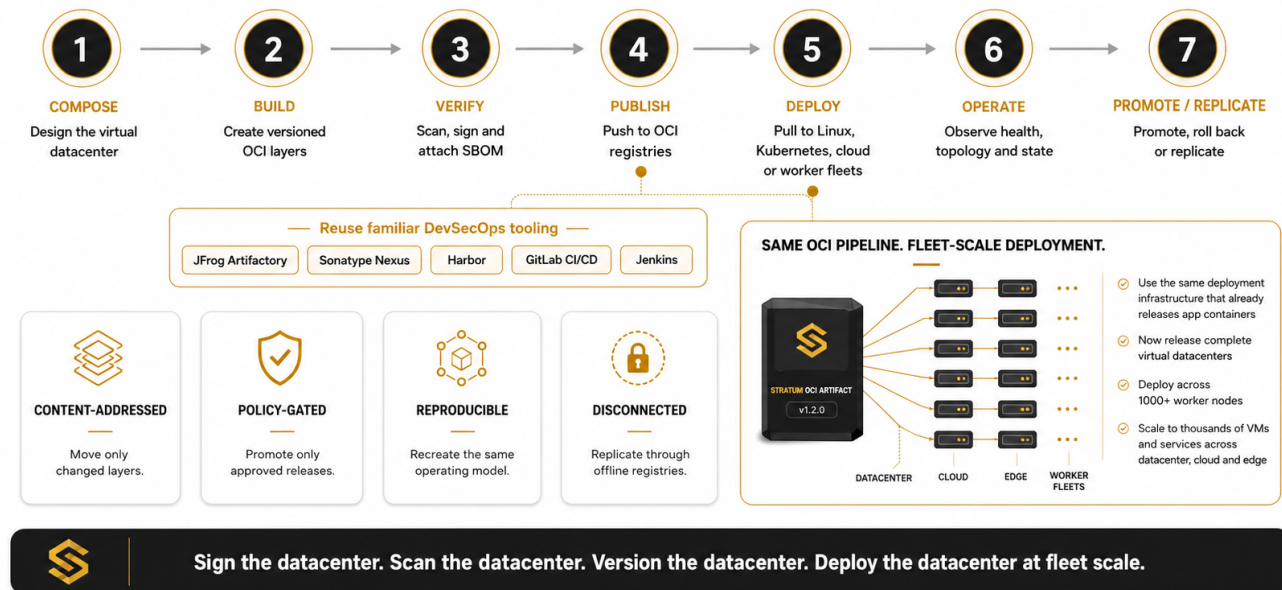
Infrastructure now has a software supply chain.

OCI distribution gives virtual infrastructure the same release mechanics that transformed application delivery.

DEVSECOPS-NATIVE INFRASTRUCTURE

Infrastructure now has a software supply chain.

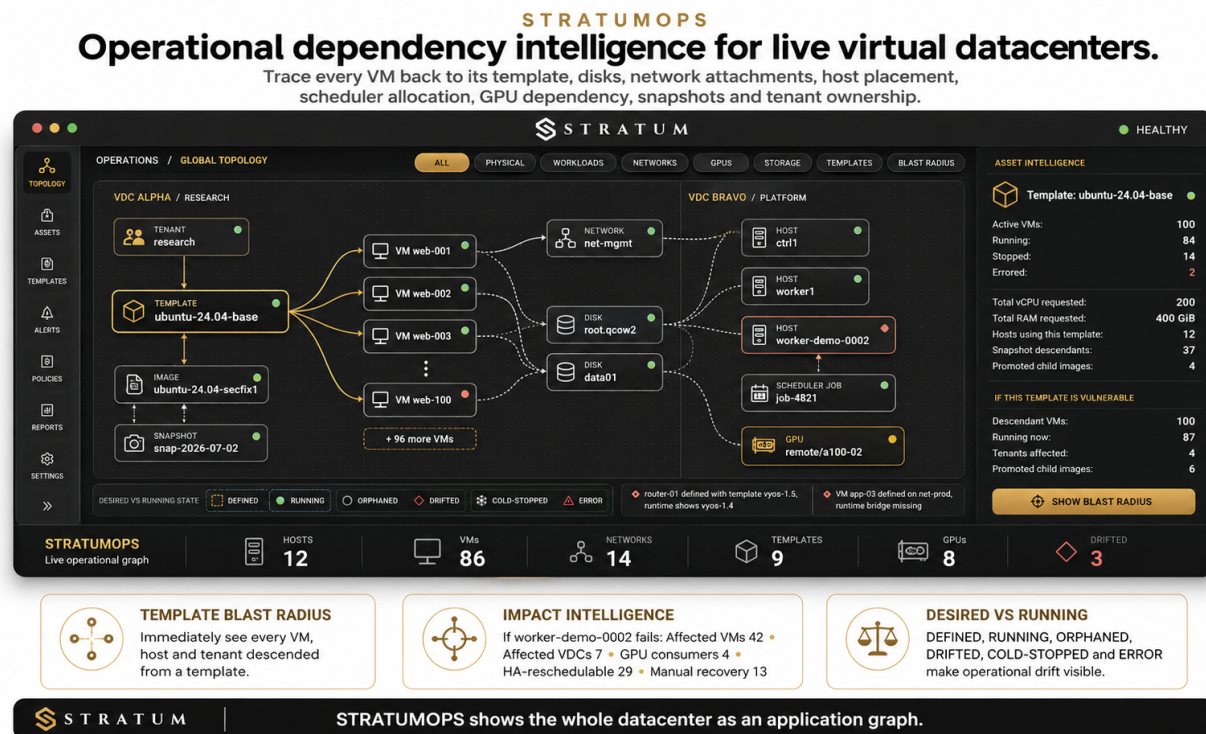
STRATUM uses OCI distribution so the platform and its operating model can move through familiar release controls.



- Content-addressed layers reduce update transfer to changed content.
- Signed digests establish a specific release identity.
- SBOMs, provenance and scan results can travel with the artifact.
- Promotion gates control which release reaches production or disconnected sites.
- Rollback restores a known infrastructure release instead of reconstructing it manually.

One control plane for the virtual datacenter lifecycle.

Compose systems and links visually, deploy the resulting operating environment, and operate it through live topology, health, dependency and impact views.



Conceptual STRATUMOPS interface based on the interactive product demonstrations; replace with final Version 1.0 screenshots before launch.

Design

Build templates, place systems, connect networks, attach storage and preserve operating intent.

Deploy

Pull an approved artifact to Linux, Kubernetes, cloud or appliance infrastructure.

Operate

See topology, health, consoles, lifecycle state and infrastructure relationships.

Move

Replicate the same artifact and virtual datacenter model to another host, site or cloud.

The complete virtual infrastructure layer.

STRATUM combines platform delivery, fabric modeling and operations so teams can manage the virtual datacenter as one product rather than a chain of disconnected tools.

Datacenter as an OCI artifact

Package platform software, topology, policy, configuration and operations into a portable, content-addressed release.

Explicit infrastructure fabric

Model named ports, logical wiring, switches, routers, firewalls, networks, hosts, storage and workload attachment points.

Virtual datacenters

Create isolated operating environments that can live on one host or extend across clusters, sites and clouds.

VM + container operations

Run virtual machines and containerized services through one operating model, with integrated console and lifecycle controls.

Multi-site continuity

Replicate the same artifact and operating intent to datacenters, cloud regions, edge systems and disconnected locations.

DevSecOps lifecycle

Use OCI registries, signatures, SBOMs, scans, provenance, promotion policies and layer-based updates.

Live operations graph

See hosts, workloads, networks, storage, schedulers, accelerators, dependencies, degradation and impact radius.

Accelerator-aware infrastructure

Represent GPU inventory and assignment, including distributed and GPU-over-IP operating models where enabled.

Scheduler integration

Coordinate distributed workload placement through integrated Slurm dispatch where configured.

Portable delivery formats

Deploy as OCI images for x86-64 and Arm64, through Helm, or as evaluation/commercial appliances for major platforms.

One artifact. Every environment.

STRATUM is designed to use ordinary infrastructure and familiar distribution paths rather than require a proprietary hardware island.

STANDALONE LINUX	Run through Docker or Podman on a Linux host with the required KVM, networking and storage capabilities.
KUBERNETES	Deploy through Helm into an existing Kubernetes environment and extend across managed worker infrastructure.
ARCHITECTURE	OCI delivery for x86-64 and Arm64 Linux systems
APPLIANCES	Evaluation and Commercial appliance images planned for VMware, AWS, Microsoft Azure, Oracle Cloud, and Google Cloud.
SCALE	One physical host, a distributed cluster, multiple sites or a GPU-centric datacenter.
DISCONNECTED	Replicate signed artifacts and changed layers through controlled or offline OCI registries.

A migration-friendly operating model

STRATUM can be evaluated on existing virtualization or cloud infrastructure through appliances, then moved toward direct Linux or Kubernetes deployment without changing the product concept: the virtual datacenter remains the artifact.

Infrastructure everywhere.

STRATUM is designed as a general infrastructure platform, with particular value where portability, reproducibility, multi-site operation or disconnected deployment matters.

Enterprise infrastructure modernization

Replace management-stack sprawl with a portable operating environment for private cloud, labs and distributed sites.

Software development and test

Recreate the same networks, systems, storage and operations from development through integration, test and release.

Cyber ranges and training

Package complete repeatable environments, including network relationships, consoles and resettable workload state.

AI, HPC and GPU environments

Coordinate compute, accelerators, networks and schedulers as one visible datacenter model.

Government and mission systems

Carry an operating environment into disconnected, bandwidth-constrained and multi-site locations.

Cloud portability and sovereignty

Move the virtual datacenter across on-premises and cloud infrastructure without redefining it around each provider.

Disaster recovery and continuity

Reproduce a versioned environment at an alternate site from the same signed artifact and topology.

Education, research and homelabs

Use the Community edition to explore full virtual datacenter concepts on one physical Linux host.

Launch facts.

The press release is written for a combined Version 1.0 launch and STRATUMvisor company introduction.

TARGET DATE	October 1, 2026
CANONICAL SITE	www.stratumvisor.com; use stratumvisor.ai as a redirect or campaign domain rather than the primary corporate address.
COMMUNITY	Free; one physical Linux host; non-production use; renewable 90-day entitlement; community support model.
EVALUATION	Time-limited entitlement for technical evaluation, including eligible appliance formats.
COMMERCIAL	Production use, authorized hosts/capacity, support and commercial terms defined by entitlement.
APPLIANCES	Not authorized or supported under Community; require Evaluation or Commercial entitlement.
SYSTEM BASELINE	Linux with Docker or Podman; KVM-capable hardware for virtual machines. Memory and storage must include the platform plus all images, templates and running workloads.
RELEASE VERIFICATION	Publish final build number, image digests, checksums, SBOM, signature verification instructions and compatibility matrix at launch.

Availability language

STRATUM Version 1.0 is expected to be available from www.stratumvisor.com in OCI, Helm and selected appliance formats.

About STRATUMvisor.

Cyber Ballistics Inc., founded in 2025 and doing business as STRATUMvisor, develops infrastructure software for environments that cannot be reduced to ordinary cloud assumptions.

STRATUMvisor created STRATUM to solve a gap left between traditional virtualization and cloud-native software delivery. The company's premise is that a virtual datacenter should be packaged, secured, reproduced and operated like modern software - without discarding the explicit infrastructure relationships that make a datacenter function.

Company mission

Make complete operating environments portable, reproducible and controllable across datacenter, cloud, edge and disconnected infrastructure.

Why “STRATUMvisor”?

The name is a deliberate play on hypervisor. A hypervisor virtualizes a machine. STRATUMvisor packages and operates the stratum beneath the workloads: the connected virtual datacenter.

Legal identity

LEGAL COMPANY	Cyber Ballistics Inc.
DBA	STRATUMvisor
PRODUCT	STRATUM
FOUNDED	2025
WEBSITE	www.stratumvisor.com

Patents

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

STRATUM is not a repackaging of legacy virtualization. Its architecture is built around original, patent-pending technologies that redefine how complete datacenters are packaged, deployed, secured, moved, and operated.

Kevin Caldwell, CTO.

Kevin Caldwell is CTO of STRATUMvisor and the creator of STRATUM's Datacenter as an Application operating model. He brings nearly three decades of experience across cybersecurity, global datacenters, high-performance computing, DevSecOps, hardware emulation and mission systems.

"The defining detail is the wiring. That is what turns a collection of virtual machines into a virtual datacenter."

Kevin Caldwell is CTO of STRATUMvisor and the creator of STRATUM's Datacenter as an Application operating model. Across nearly three decades, he has built and led technology efforts spanning cybersecurity, global enterprise datacenters, high-performance computing, secure deployment, DevSecOps, tactical and disconnected infrastructure, and virtual hardware-in-the-loop systems. His work has repeatedly focused on the same problem: making complex operating environments reproducible, portable and controllable without sacrificing the fidelity of the systems underneath them. STRATUM brings those disciplines together by treating the complete virtual datacenter - not just its workloads - as a versioned software artifact.

Selected perspective



- Nearly three decades across cybersecurity, datacenters, HPC, DevSecOps and complex mission systems.
- Built platforms for secure, repeatable deployment in enterprise, government and disconnected environments.
- Created virtual hardware-in-the-loop and digital-twin technologies that preserve real system behavior instead of merely re-hosting applications.
- Founded the STRATUM effort around a single question: why can modern software be packaged and moved, while the virtual datacenter still has to be reconstructed?

<https://www.linkedin.com/in/cybersecurityarchitect>

Approved executive quotes.

These lines are written for press releases, interviews, contributed articles, presentations and social launch material.

"Cloud made applications portable. STRATUM makes the datacenter portable."

— Kevin Caldwell, CTO, STRATUMvisor

"Virtualization abstracted the server, but the datacenter remained a hand-built dependency. STRATUM moves the boundary down to the fabric itself."

— Kevin Caldwell, CTO, STRATUMvisor

"A STRATUM artifact does not merely describe infrastructure. It is the deployable operating environment - signed, scanned, versioned, moved and rolled back through the same supply chain practices used for modern software."

— Kevin Caldwell, CTO, STRATUMvisor

"We are not asking organizations to rebuild around another cloud or virtualization stack. STRATUM packages the virtual datacenter so it can run on the infrastructure they already own."

— Kevin Caldwell, CTO, STRATUMvisor

"The defining detail is the wiring. STRATUM preserves ports, links, switching, networks, hosts, storage and workloads as one connected model. That is what turns a collection of virtual machines into a virtual datacenter."

— Kevin Caldwell, CTO, STRATUMvisor

Copy-and-paste company and product descriptions.

Approximately 25 words

STRATUM turns the datacenter into a deployable OCI artifact, packaging compute, networks, storage, security, consoles, topology and operations as one portable environment.

Approximately 75 words

STRATUM is Datacenter as an Application: a new infrastructure category that packages complete virtual infrastructure and its operating model into OCI artifacts. Unlike traditional virtualization, STRATUM models the fabric beneath workloads - wiring, ports, switching, routing, networks, hosts, storage, accelerators and operational relationships - so complete virtual datacenters can be versioned, moved, reproduced and operated like software.

Approximately 150 words

STRATUM introduces Datacenter as an Application, an operating model in which a complete virtual datacenter is packaged as a signed, versioned OCI artifact. The artifact carries the infrastructure platform and the connected intent of the environment: compute, virtual machines, containers, hosts, storage, switches, routers, firewalls, networks, ports, logical wiring, consoles, identity, topology and operations. It can be deployed on standalone Linux hosts, through Docker or Podman, into Kubernetes, or through appliance images for major cloud and virtualization environments. Because STRATUM uses the OCI ecosystem, infrastructure can move through familiar DevSecOps controls such as content-addressed layers, registries, signatures, vulnerability scanning, SBOMs, promotion gates and rollback. The result is a portable virtual datacenter that can span one host, a cluster, multiple sites or multiple clouds without forcing teams to rebuild the operating environment around each location.

Legal boilerplate

STRATUM is a product of Cyber Ballistics Inc., doing business as STRATUMvisor. STRATUMvisor was founded in 2025. Product availability, capabilities and licensing are subject to the final Version 1.0 release documentation and applicable license entitlement. Visit www.stratumvisor.com.

How to describe STRATUM.

Every public explanation should establish the category before discussing familiar virtualization features.

Lead with

Datacenter as an Application; datacenter as a deployable artifact; complete virtual infrastructure through OCI; virtual datacenters; explicit wiring and ports.

Then explain

VMs and containers, network and storage fabric, multi-site operation, OCI distribution, DevSecOps lifecycle and integrated operations.

Do not reduce it to

A hypervisor in a container; another VMware replacement; a Kubernetes add-on; a lab emulator; a collection of scripts; "infrastructure as code" without the artifact distinction.

Make the contrast

Virtualization moves machines. STRATUM moves the virtual datacenter. IaC describes infrastructure. STRATUM deploys the packaged environment.

Approved headline bank

- Deploy the datacenter.
- The datacenter is now deployable.
- Cloud made applications portable. STRATUM makes the datacenter portable.
- Infrastructure, as an artifact.
- One artifact. Every environment.
- Virtualize the fabric, not just the machine.
- Sign the datacenter. Scan the datacenter. Version the datacenter.

Questions journalists and analysts will ask.

What is STRATUM?

STRATUM is Datacenter as an Application: a new infrastructure category that packages complete virtual infrastructure and its operating model into OCI artifacts. Unlike traditional virtualization, STRATUM models the fabric beneath workloads - wiring, ports, switching, routing, networks, hosts, storage, accelerators and operational relationships - so complete virtual datacenters can be versioned, moved, reproduced and operated like software.

Is STRATUM another hypervisor?

No. STRATUM includes virtualization capabilities, but the category is broader. A hypervisor virtualizes compute. STRATUM packages and operates the connected virtual datacenter: compute, workloads, storage, networks, switching, security, ports, wiring, consoles, topology and operations.

What does Datacenter as an Application mean?

It means the virtual datacenter is treated as a deployable software product. Instead of rebuilding a platform from separate infrastructure systems, teams pull a versioned artifact that carries the operating environment and the connected model required to reproduce it.

How is this different from Infrastructure as Code?

Infrastructure as Code is primarily a set of instructions for creating infrastructure. A STRATUM OCI artifact is the packaged operating environment itself. Code describes. The artifact deploys. IaC can still be used around STRATUM, but it is no longer the only record of how the environment should exist.

How is STRATUM different from Kubernetes?

Kubernetes orchestrates containers. STRATUM can run through Kubernetes, but it models and operates the broader virtual datacenter, including virtual machines, storage, switches, ports, wiring, network domains, consoles and infrastructure relationships.

How is STRATUM different from VMware, Nutanix or OpenStack?

Those platforms assemble virtualization, storage, networking and management services into an installed infrastructure stack. STRATUM packages the virtual datacenter and its operating model as an OCI artifact that can be pulled, versioned and moved through standard software distribution practices. The goal is not merely to host virtual machines; it is to make the whole virtual datacenter portable.

Is STRATUM itself a container?

The STRATUM platform is distributed as an OCI container image. On Linux, it uses host capabilities such as KVM, networking and storage to run and connect workloads. The container is the delivery and lifecycle boundary for the platform - it does not reduce guest virtual machines to ordinary application containers.

Platform and virtual datacenters.

Does STRATUM require Kubernetes?

No. STRATUM can run on standalone Linux hosts using Docker or Podman, and it can also be deployed into Kubernetes through Helm. Appliance formats are available for selected virtualization and cloud environments under evaluation or commercial licensing.

What is actually inside the artifact?

The artifact can include the STRATUM control plane, virtualization runtime, network and storage services, consoles, operational interfaces, system templates, policies, site configuration and the topology model that connects the environment.

What is a virtual datacenter in STRATUM?

A virtual datacenter is a bounded operating environment containing systems, networks, storage, policies, identities and operational relationships. Multiple virtual datacenters can share physical infrastructure while remaining logically separated, and a virtual datacenter can extend across multiple locations.

Can STRATUM operate across multiple sites or clouds?

Yes. STRATUM is designed to apply one artifact and operating model across standalone hosts, clusters, datacenters, cloud regions and edge locations. The same substrate can be divided into separate virtual datacenters while preserving centralized visibility and lifecycle control.

How are updates distributed?

Updates use OCI layers and content-addressed digests, allowing registries to transfer only the layers that changed. Releases can be signed, scanned, promoted by policy, replicated to disconnected registries and rolled back to known versions.

Can STRATUM be used in disconnected environments?

Yes. OCI artifacts, local registries and layer-based distribution are well suited to offline and bandwidth-constrained locations. Organizations can move approved releases through controlled transfer processes without depending on a public cloud control plane.

Security, editions and availability.

What security controls are supported?

STRATUM is designed for a software-supply-chain workflow: image signing, vulnerability and license scanning, SBOM attachment, provenance, policy gates, controlled promotion and immutable digests. Runtime security and host hardening remain part of the deployment architecture.

What platforms are supported?

The planned Version 1.0 delivery includes OCI images for x86-64 and Arm Linux hosts, Docker or Podman deployment, Kubernetes/Helm deployment, and evaluation/commercial appliance formats for VMware, Amazon Web Services, Oracle Cloud, Microsoft Azure and Google Cloud.

What editions are available?

STRATUM Community is free for one physical Linux host, non-production use, with a renewable 90-day entitlement. Evaluation and Commercial entitlements govern production use, host count, capacity, term and support. Appliance use requires an Evaluation or Commercial entitlement and is not authorized under Community.

Who is STRATUM for?

STRATUM is intended for organizations that need virtual infrastructure anywhere: enterprises, government, military and edge programs, cloud and platform teams, AI/HPC environments, cyber ranges, developers, researchers, educators and homelabs.

What does STRATUMvisor mean?

STRATUMvisor is the company brand and a deliberate play on hypervisor. A hypervisor virtualizes a machine; STRATUMvisor's product, STRATUM, virtualizes and packages the datacenter operating model.

When is Version 1.0 available?

The current target for the STRATUM Version 1.0 launch and company introduction is August 1, 2026.

Logo, wordmark and naming guide.

Use the STRATUM symbol as the primary mark. The horizontal website lockup pairs the mark with STRATUM in Cinzel Bold with 15px letter spacing at the reference web size.



PRODUCT NAME	STRATUM - all caps in headlines and formal product references.
COMPANY BRAND	STRATUMvisor - one word, capital S and lowercase "visor" is acceptable in prose; legal form is Cyber Ballistics Inc. dba STRATUMvisor.
WORDMARK TYPE	Cinzel Bold with 15px letter spacing on the current website. Use the supplied raster lockup when the font is unavailable.
PRIMARY DARK	Canvas #272727; panel #292929.
PRIMARY LIGHT	Text #DFDFDF; strong line #D7D7D7.
ACCENT	STRATUM operations gold #CCAD55; deployment blue #1598E5.
CLEAR SPACE	Keep at least one-quarter of the symbol width around the mark or lockup.
DO NOT	Stretch, rotate, add effects, alter symbol geometry, crowd the mark, or recreate the wordmark with a different font for final media assets.

Included logo files

- True-vector symbol SVGs: black, white, transparent, on-black, on-white and currentColor.
- 1024px PNG exports of each symbol variant.
- High-resolution horizontal lockup and text-only wordmark raster assets derived from the current website rendering.
- Cinzel-Bold font is included. This Font Software is licensed under the SIL Open Font License, Version 1.1.

Ready for launch after final verification.

MEDIA CONTACT	press@stratumvisor.com
WEBSITE	www.stratumvisor.com
TARGET ANNOUNCEMENT	October 1, 2026
FOUNDER	Kevin Caldwell, CTO
LEGAL	Cyber Ballistics Inc. dba STRATUMvisor

Canonical launch statement

"STRATUM turns the complete virtual datacenter into a deployable OCI artifact."