

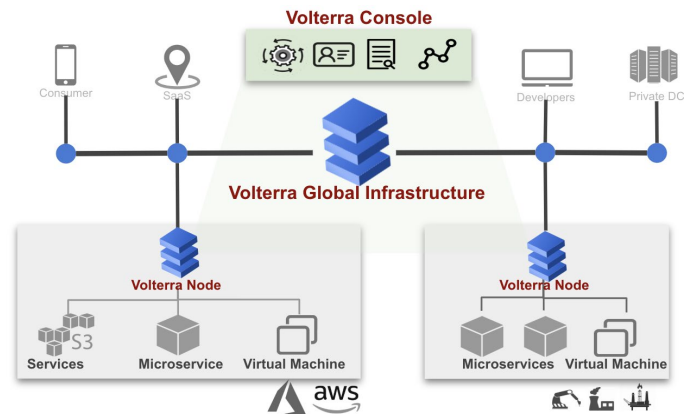
# VoltStack

## Deploy and Operate a Fleet of Applications and Infrastructure

### Overview

VoltStack is a SaaS-based offering to deploy, secure and operate a fleet of applications across the heterogeneous infrastructure in private, public, telco and edge clouds. It can scale to a large number of clusters and locations with centralized orchestration, observability and operations to reduce the complexity of managing a fleet of distributed clusters.

Using a distributed control plane running in Volterra's global infrastructure, VoltStack delivers a logically centralized cloud that can be managed using industry-standard Kubernetes APIs. This control plane removes the overhead of many individually-managed Kubernetes clusters and allows customers to automate application deployment, scaling, security and operations across their entire deployment as a "unified cloud".



Cloud-native stack for managing distributed workloads

### Only VoltStack Delivers

#### Operational Efficiency via Fleet Management

SaaS-based lifecycle management of applications and infrastructure services across a fleet of distributed sites along with intent-based policy and configuration

#### Immersive Applications at the Edge or in the Network

Move performance-sensitive applications (or portions of apps) to edge sites or the network edge to improve latency and performance

#### Security for Distributed Apps and Data

Verifiable identity across distributed sites that drives policy and encrypts data (at-rest and in-transit), along with innovative Blindfold capability that secures secrets and keys

#### Seamless Scalability

Purpose-built control plane across Volterra's globally distributed infrastructure that scales to a large number of application clusters

#### Ability to Leverage Best-of-Breed Cloud Services

Deploy applications across multiple clouds to access key services via a cloud-agnostic distributed application management platform

### Use Cases

#### Edge Cloud

Edge Application Management

#### Multi-Cloud

Multi-Cloud Application Management

#### Network Cloud

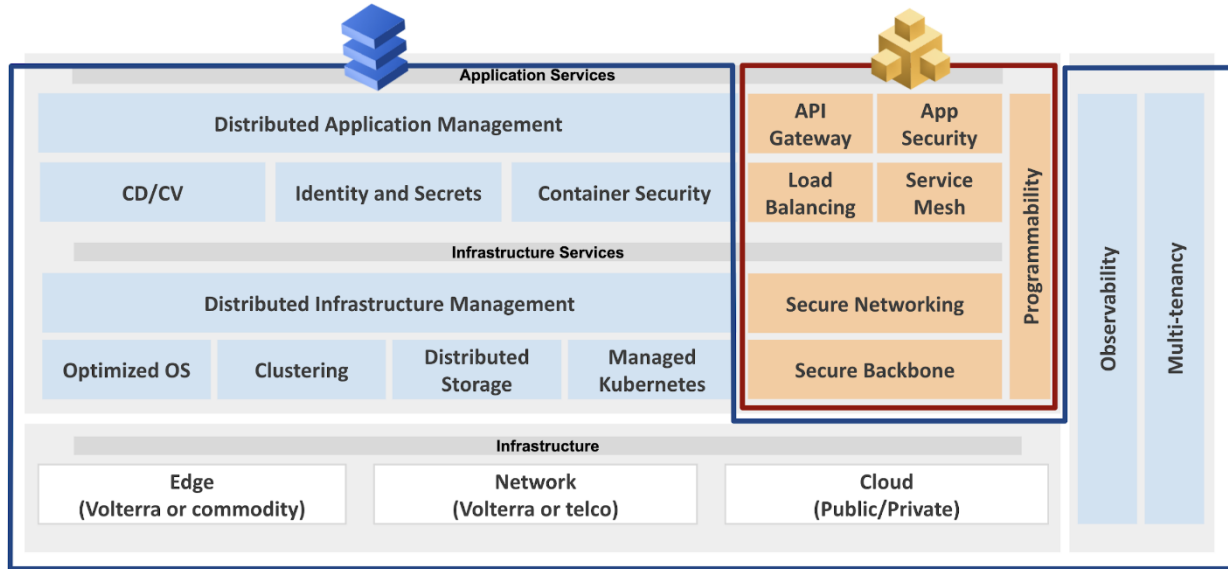
Network Edge Applications

### Verticals

- |            |               |
|------------|---------------|
| E-commerce | Manufacturing |
| Gaming     | Retail        |
| 5G, VNF    | Fast food     |
| High-Tech  | Automotive    |
| Finance    | Energy        |

## Key VoltStack Services

VoltStack delivers a complete range of services to automate application and infrastructure deployment, scaling, security and lifecycle management across a large number of distributed sites.



### Application Services

#### Distributed Application Management

Deploy and orchestrate applications across a segment or the entire fleet of clusters. Centralized SaaS-based management of distributed applications with a single pane of glass and rich observability.

#### Continuous Delivery and Verification

Continuously verify application and infrastructure health to generate alerts and automatically take actions upon detecting anomalies. Integrates with customers' existing CI/CD pipelines and development workflow.

#### Identity and Secrets Management

Uniform identity for applications across different multi-cloud and/or edge environments. Manage identity lifecycle for each application instance via automatic certificate rotation, increasing security and operational efficiency.

#### Container Security and Isolation

Container-level security services to protect and isolate applications and infrastructure from errant or malicious containers.

#### Observability

Single pane of glass visibility from application to infrastructure across heterogeneous edge and cloud deployments. Provides granular status of application deployments, infrastructure health and security / connectivity performance.

### Infrastructure Services

#### Optimized Operating System

A consistent and efficient operating system for deployment across heterogeneous cloud and edge, optimized to run virtual machines, containers and Lambda workloads.

#### Clustering

Scale compute and storage resources seamlessly by clustering multiple nodes together to match service needs.

#### Distributed Storage

Software-defined storage across nodes/clusters. Consistent volumes across heterogeneous storage types.

#### Multi-tenancy

Run third-party and/or multiple business lines' applications while providing complete isolation of compute, network and storage resources. Provides the ability to run heterogeneous workloads (containers, VMs) across different namespaces.

#### Managed Kubernetes Environment

Orchestrate and scale infrastructure resources in an automated fashion. Self-healing and progressive rollout with health monitoring for automated rollback.

#### Distributed Infrastructure Management

Manage globally distributed and/or heterogeneous infrastructure as a fleet. SaaS-based management with a single pane of glass and rich observability.