

Managed Cadence

Fully Hosted and Managed Service for Cadence

Cadence is a stateful programming system that simplifies building scalable, distributed applications and workflows. It provides a programming model that transparently handles the complexity of saving and reconstituting application state across long-running workflows and system-level failures. By doing so, Cadence allows developers to write stateful applications without the need to address complex process failure handling. Cadence can scale horizontally to handle millions of concurrent workflows, is fault tolerant and flexible based on your needs. Cadence even supports cross-region replication to provide resilience against even region-level failures.

Instaclustr Managed Cadence is the first fully managed Cadence offering on the market. Instaclustr's SaaS Platform brings to Cadence a proven capability for operating distributed technologies at the highest levels of scale and reliability, and supporting our customers to make the best use of these applications. In particular, Instaclustr already operates the technologies on which Cadence depends (Apache Cassandra®, Apache Kafka®, and OpenSearch®) for many customers.

Why Instaclustr?



100 million node hours of experience managing open source technologies including Cadence



Full, production-ready Cadence environment. Get Cadence and all its dependent technologies set up and ready to go in minutes



Large and experienced team of open source operators, including the deepest bench of Apache Cassandra® experts in the industry. We have committers to open source Cassandra and PostgreSQL® on staff and regularly build and open source additional features and tools back to the community



100% open source technologies, so you know we'll never charge license fees or lock you in with hidden, proprietary features



Source-code-level expertise in Cadence and adjacent technologies



Multi-tech data platform that can extend beyond Cadence and Cassandra to also host and manage Apache Kafka®, Apache ZooKeeper™, OpenSearch®, Redis™, and PostgreSQL®



A single SLA and support team across Cadence and its dependent technologies

Features

- 100% open source Cadence
- Easy-to-use management console
- Core software bug fixes included
- Supported software bug fixes included
- Single-tenant clusters by default
- Easy-to-use web interface
- Curated Cadence metrics in Console
- Customer-initiated resize capability
- Terraform-based provisioning
- Prometheus monitoring API
- Provisioning + Monitoring RESTful APIs
- Apache Cassandra®, Apache Kafka®, and OpenSearch® dependencies automatically provisioned and configured

SLAs

- Up to 99.95% availability SLA

Available Add-Ons

- Private Network Cluster (no publicly routable IPs for nodes)
- VPC Peering

Flexible Hosting Options

- AWS
- Azure
- GCP
- On-Prem

Support

- 24x7 expert coverage included
- Guaranteed 15min response time, 24x7 work to resolve critical issues

Security and Compliance

- SOC 2 Certified
- PCI (coming soon)

Instaclustr helps organizations deliver applications at scale through its managed platform for open source technologies such as **Apache Cassandra®**, **Apache Kafka®**, **Apache Spark™**, **Redis™**, **OpenSearch®**, **PostgreSQL®**, and **Cadence**.

Instaclustr combines a complete data infrastructure environment with hands-on technology expertise to ensure ongoing performance and optimization. By removing the infrastructure complexity, we enable companies to focus internal development and operational resources on building cutting edge customer-facing applications at lower cost. Instaclustr customers include some of the largest and most innovative Fortune 500 companies.

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