

CLOUD RBITER

Data Sheet

With the evolution of new-generation cloud-native solutions like 5G, innovative city projects, autonomous vehicles, IoT, and more, the application footprint has been expanding exponentially, leading to the requirement of rolling out and managing deployments over distributed infrastructure spanning from the cloud to private datacenters and edge environments. However, it presents operational challenges, making mini-data centres and edge locations difficult to manage across multiple distributed locations. Managing multi-cloud and edge clouds from a single control point has become crucial as dispersed cloud environments rise. Enterprises seek methods to orchestrate, automate, and manage their infrastructure resources, focusing on security and privacy.

Cloud Orbiter by CoreEdge

A unified Kubernetes management platform designed for distributed and edge clouds that provides a public cloud experience for edge data centres, enabling centralized operations and automation for distributed Kubernetes clusters. The platform efficiently manages virtual machines, containers, and bare metal across any infrastructure, offering a unified cloud experience for application and infrastructure lifecycle management. Cloud Orbiter caters to diverse service providers, government organizations, and data centres, assisting in various aspects of cloud services, including engineering, delivery management, and maintenance.

Industry Use Cases



Hybrid-cloud Management: Control cloud-native applications deployed on multiple public clouds (e.g., AWS, Microsoft Azure, Google Cloud), private datacenters, and edge sites from a single integrated solution.



Application Delivery: Deploy applications across multiple Kubernetes clusters and regions, improving time to market and offering centralized management.



Multi-cluster Management Service: Manages the lifecycle of applications deployed on clusters, public clouds, and edge locations, allowing for automated Kubernetes cluster upgrades and centralized management.

Key Features



Centralized Infrastructure Management: Cloud Orbiter offers an intuitive dashboard for managing the entire infrastructure from a single point of control, including **Day 2 Operations**.



Application Orchestration: Applications can be deployed on any cluster or VM, whether in the cloud, on-premises, or at the edge, streamlining workflows and simplifying **cluster life cycle management** for bare metal servers or virtual machines.



Central IAM and RBAC Controls: Efficiently manage user access and permissions with centralized Identity and Access Management and Role-Based Access Control for enhanced **multi-tenancy support**.



Observability: Utilize monitoring, alert notification, KPIs, event logging, metering, and troubleshooting of workloads on infrastructure and applications with comprehensive observability features.



High Security: Adheres to the **Zero Trust principle**, ensuring highly secure infrastructure management across cloud providers, private data centres, and edge data sites.



Marketplace: Access a marketplace of applications and services to enhance flexibility and scalability in deploying and managing workloads.



Tailored Kubernetes Stacks: Highly curated Kubernetes stacks and tools cater to developers' specific needs.

Key Benefits



Streamlined Application Deployment and Infrastructure Management: Simplifies operations and reduces complexity for production-scale efficiency.



Centralised IAM and RBAC Controls: Ensures efficient user access and permission management across the infrastructure.



Scalable Multi-cluster Management: IT teams can efficiently manage multiple clusters at scale with governance and enterprise-grade security.



Automatic Application Deployment: Reduces complexity and streamlines workflows.



Comprehensive Observability: Provides tools for monitoring and troubleshooting infrastructure and applications.



Zero Trust Security: Ensures a high level of security for the managed infrastructure.

For more information or questions about Coredege's Cloud Orbiter:



Please visit <https://coredege.io>



Contact us at info@coredege.io