Private/Hybrid Cloud – Data Center Solutions
Hybrid Cloud Management Platforms

Global 2024

Sweet Spot

UnitedLayer

Overview

UnitedLayer, headquartered in California, U.S., was founded in 2001. It offers hybrid and private cloud solutions that provide enterprises with managed services to help them modernize their infrastructure, enhancing responsiveness, resource utilization and scalability. Its UnityOne.AI is a comprehensive multicloud management platform that facilitates seamless management from data centers to the cloud.

Key Provider Capabilities

Comprehensive hybrid and multicloud lifecycle monitoring and management: UnityOne.AI is a holistic solution for monitoring and managing hybrid and multicloud environments. It offers real-time performance, health and utilization insights for AWS, Azure, Google Cloud and OCI assets. The solution can provide detailed billing, bandwidth, and virtual cross connect (VXC) information, offering a granular view of network link performance. By integrating with device management, multicloud mesh services, data center visualization and Kubernetes cluster monitoring, UnityOne.AI provides real-time health insights for a unified management experience.

Strong observability features: UnityOne.AI offers comprehensive real-time monitoring of data centers and multicloud infrastructure with an overlay of heat maps visualizing temperature distribution within data center cabinets. It provides detailed insights into device status, alerts, server capacity, temperature and power utilization, facilitating effective management and optimization. The platform offers a customizable view of the entire multicloud and colocation infrastructure through interactive widgets, utilization charts and live updates, enabling users to make informed decisions on resource allocation to optimize performance, utilization and overall infrastructure costs.

Robust hybrid multicloud auditing capabilities: UnityOne.AI offers a physical access audit trail for global data centers, detailed logs of actions in private and public cloud environments, and insights into activities, including start/end dates, descriptions and user information. Users can audit activities on any device across data centers, private clouds and public clouds to comply with regulatory and audit requirements, determine suitable actions for their infrastructure and ensure thorough oversight and accountability.

Benefits Delivered

- **Single unified management platform for hybrid multicloud environments**
- **Persona-based dashboard and analytics for multicloud usage**
- **Sustainability analytics**
- **Autonomous operations leveraging AIOps capabilities**
- **Cost management/FinOps**
- **Workload management across platforms for on-demand needs such as auto-scaling**

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UnityOne.AI is a comprehensive hybrid cloud management solution using AI and ML to offer advanced monitoring, automation, auto-remediation and predictive analytics to deliver unparalleled efficiency and control for hybrid and multicloud environments. Its AIOps capabilities include auto-discovery, auto-deployment of monitoring templates, AI- and ML-based event correlation, and single-step recovery auto-healing.

Holistic cloud expense and resource management capabilities: The UnityOne solution provides near-real-time alerts on changes in the health of cloud resources, enabling proactive management while offering a centralized view of expenses for specific products and services, ensuring improved cost efficiencies. It also unifies infrastructure health and performance monitoring, allowing IT teams to manage diverse infrastructure and detect issues early, minimizing downtime. With insights into resource utilization, the solution helps optimize allocation and reduce costs. Multicloud discovery and AI and ML event correlation enhance event detection and response. Its real-time, persona-based dashboards provide tailored views and actionable recommendations, aiding in cloud strategy optimization.

Advanced automation and robust security features: With self-heal capabilities activated by AI- and ML-based event correlation, UnityOne.AI can automatically restart services, manage CPU and memory utilization, and perform disk space cleanup. Preventive alerts through forecasting mechanisms enable organizations to address potential issues proactively. The platform excels in virtual machine (VM) and storage cluster management, supports auto-scaling and provides robust security and patch management, with dedicated engineering teams ensuring timely and secure updates. It supports role-based access control management policies for various teams and includes a workflow engine for VM provisioning and administration of multiple SLA classes.

Future roadmap

UnitedLayer aims to expand UnityOne.AI's advanced features and integrate new use cases to further enhance its capabilities and value proposition. The company is focused on delivering a comprehensive hybrid and multicloud strategy to prepare enterprises for evolving digital transformation engagements leveraging a cloud landscape.

UnitedLayer plans to prioritize budget-focused solutions, develop autonomous operations blueprints, and add GenAI enterprise-ready features. This approach aims to optimize cloud environments, improve efficiency and maintain competitiveness in a rapidly changing tech landscape.

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