

SOLUTION BRIEF

NetApp Cloud Insights — providing observability to NetApp BlueXP



Control the performance, utilization and health of your on-premises and cloud workloads

NetApp® Cloud Insights is an observability tool designed specifically for today's cloud-based infrastructure and deployment technologies and provides advanced analytics on the connections between resources in the environment.

Cloud Insights is available as a standalone product that is also available integrated into the NetApp BlueXP™ control plane observability capability, along with other integrated NetApp capabilities.

Cloud Insights is simple to use. Because it's hosted in the cloud, it's easy to get up and running fast. You'll have real-time data visualization of the topology, availability, performance, and utilization of all your infrastructure, including both cloud and on-premises multivendor resources.

Cloud Insights quickly inventories your resources, correlates the interdependencies across them, and assembles a topology of your environment, giving you end-to-end visibility into what resources are supporting which applications.

There are three editions of Cloud Insights: Basic, Standard, and Premium. The Basic edition is free to all NetApp customers. The Standard and Premium editions offer additional capabilities and are priced according to the infrastructure being monitored. To see the current table of editions and features look for Cloud Insights on netapp.com.

Key features

Cloud Insights provides end-to-end monitoring, troubleshooting, and analysis of the health, performance, cost, and security of infrastructures that are shared across multiple applications and lines of business. Whether these infrastructures are on premises, in the cloud, even running Kubernetes, Cloud Insights optimizes their utilization, reduces mean time to recovery, delivers chargeback and showback reports, and enables business process automation. The following subsections describe the key features of Cloud Insights.

Visibility

From the public cloud to the data center, you get full-stack visibility into infrastructure and applications from hundreds of collectors, all in one place.

NetApp storage

NetApp Essentials is a set of custom pre-built dashboards to monitor the usage and health of NetApp storage all without the need to setup or configure the dashboards.

Key benefits:

- Monitor your whole infrastructure, on-premises and in the cloud and at any scale with a simple, easy-to-use, SaaS-based tool.
- When you troubleshoot issues, find the problems before they affect customer satisfaction.
- Optimize your growing cloud spending by understanding unused infrastructure and overprovisioned workloads.
- Detect ransomware attacks before it's too late
- Easily satisfy compliance requirements for data usage audit reporting saving time & money
- Using AI/ML, intelligent insights can predict current issues, see shared resource issues and recommend solutions

Kubernetes topology

Kubernetes cluster explorer allows you to seamlessly navigate your cluster topology from pods right down to the infrastructure resources they're consuming, including mapping persistent storage volumes. Features include advanced troubleshooting through correlation of infrastructure performance metrics and application performance, and chargeback reporting to help organizations provide Kubernetes as a service to their application teams.

Usage optimization

Effective resource management helps engineers and administrators to proactively reduce waste and maximize utilization as part of their daily workflows to prevent performance bottlenecks and do more with less.

Ransomware and insider threat detection

Protect your data with early detection and automatic response policies to protect your data on ransomware and other malware threats. Alert on potential misuse or theft of key intellectual property by malicious parties, both internal and external to your organization. Automated policies protect your data by automatically initiating a NetApp snapshot and restricting the ability of the offending user to access data while the incident is being reviewed.

Data usage audit reporting

Ensure corporate compliance by auditing access and usage patterns of your critical corporate data, on premises or in the cloud.

Dashboards

A Dashboard Gallery creates relevant dashboards instantly, and you can easily customize dashboards to your specific needs.

Alerts

Less noise, more relevance. You can precisely customize targeted and conditional alerts.

Integration

An extensive API allows integration with a wide variety of third-party services and applications. You can integrate metadata by using a CMDB, employ a wide variety of messaging and event management tools, and use custom metrics from just about any application and service.

Machine learning

Automatically build topologies, correlate metrics, and detect greedy or degraded resources and resource contention. Alert on anomalous user behavior to detect security threats. Use proactive recommendations to resolve issues before customer satisfaction is affected.

Active IQ integration

NetApp Active IQ® predictive analytics are directly visible from Cloud Insights, so you can view risks identified by Active IQ and take advantage of prescriptive guidance.

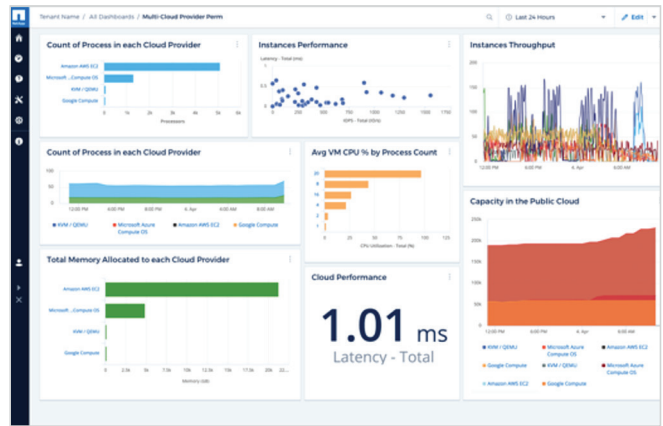


Figure 2: Cloud Insights dashboard showing multi cloud usage and performance

“NetApp Cloud Insights advanced analytics for pinpointing problem areas are outstanding. It helps us to pinpoint where issues may be, whether they are with storage, the network, on the clients, or with the application itself.”

Ed Alexander, Senior Systems Administrator,
Large Software Company

Read the full review at IT Central Station

About NetApp

In a world full of generalists, NetApp is a specialist. We’re focused on one thing, helping your business get the most out of your data. NetApp brings the enterprise-grade data services you rely on into the cloud, and the simple flexibility of cloud into the data center. Our industry-leading solutions work across diverse customer environments and the world’s biggest public clouds.

As a cloud-led, data-centric software company, only NetApp can help build your unique data fabric, simplify and connect your cloud, and securely deliver the right data, services and applications to the right people—anytime, anywhere. www.netapp.com

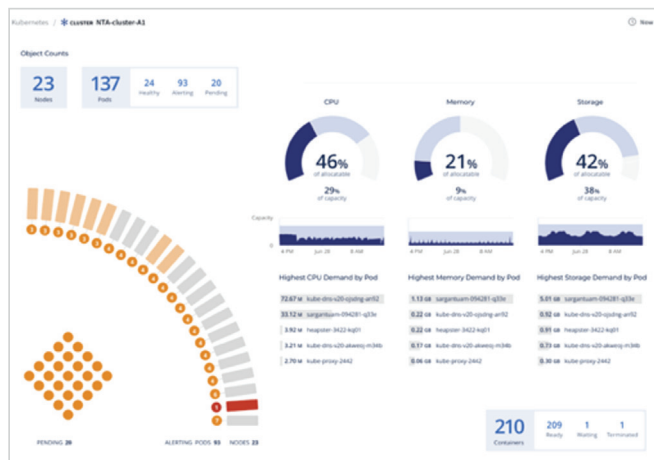


Figure 1: Kubernetes dashboard showing clusters and utilization



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