

CLOUD INSIGHTS FOR KUBERNETES OBSERVABILITY



THE PROBLEM

Kubernetes is built for scale and has become a standard for building resilient platforms. But it's technically complex enough to saturate ITOps teams, keeping them from quickly delivering key capabilities to developers—or worse, delaying resolution of critical disruptions.

- Does engineering your observability platform often factor into your architectural planning?
- Do you commonly have to data-mine your existing toolset for answers?
- Can you easily correlate which workloads interact with each other, and how the health of one is affecting another?
- Can you see all the changes introduced by workload deployments across your organization?

THE SOLUTION

NetApp® Cloud Insights provides a comprehensive monitoring solution for Kubernetes environments. It helps platform engineering and ITOps teams understand workload and infrastructure changes and their interdependencies and sources. The solution offers network monitoring without extra instrumentation, presenting health alerts and correlating events. AI-powered, seasonality-aware analysis can help you predict rightsizing patterns.



1 Enable your team to service more requests in less time.



2 Solve problems without monopolizing experts' time and relying on disparate teams.



3 Identify issues before they disrupt your key applications and services.



4 Make it easy for everyone to understand your infrastructure's workloads and the health of your Kubernetes estate.



5 Help service owners and application teams by providing guidance to rightsize application and service resources without second-guessing.



Want to make your team's life easier? Speed up delivery, lower your risk, and control your costs with NetApp Cloud Insights.

Where NetApp adds value



Use case: Kubernetes observability for ITOps and Platform Engineers

- Easily correlate change to impact
- Map out workload communication
- Troubleshoot issues faster
- Optimize workload limits and requests

Only NetApp offers

A portfolio for enterprise scale

NetApp's comprehensive strategy for operating infrastructure on premises and in the cloud enables you to easily handle workloads in any cloud or private data center. Cloud Insights lets you strategically observe different platforms, from Kubernetes to cloud compute and down to local storage arrays at any scale—from a few clusters to hundreds or thousands.

Comprehensive visibility

Cloud Insights does the heavy lifting of analyzing and correlating the information gathered from all the systems running in your Kubernetes environment. It projects storage usage ("time-to-full") and how it affects other resources, analyzes greedy and degraded shared resources, correlates changes and impacts, and more.

Easy to use

Gone are the days of wasting time developing your own cluster management toolset, relearning a new query language to answer basic questions, or having to rearchitect how you manage Prometheus to accommodate a growing cluster. Cloud Insights monitoring is easy to learn. Its simple query and dashboarding capabilities don't require intensive reskilling, and its workflow paths help you resolve key issues.

"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*



Additional resources

[Cloud Insights home](#) ›

[Demo video](#) ›

[Cloud Insights Workload Map blog](#) ›

[Cloud Insights optimization blog](#) ›