Datadog Solution Brief

Hybrid Cloud Monitoring

DATADOG

Thousands of customers love & trust Datadog

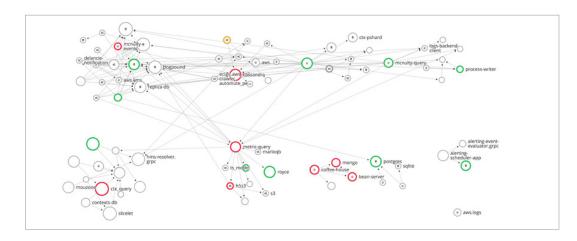**Lenovo.** **McKESSON** **NASDAQ**

Monitor public, private, and hybrid cloud stacks

Adopting a multi-cloud or hybrid cloud architecture allows organizations to improve resilience and maintain control over their applications and data. But it can also create blind spots, as teams have to rely on separate legacy tools or cloud-provider consoles to get visibility into each environment individually. Datadog unifies metrics, traces, logs, network performance data, and more from on-premises data centers and all major public or private cloud platforms. With comprehensive hybrid cloud monitoring, teams can collaborate without friction and troubleshoot faster.

> "The constant changes being made by separate teams in a shared hybrid cloud environment proved to be too dynamic for basic monitoring tools to handle…Datadog has made it possible for us to find and fix problems quickly, and to truly understand the underlying causes."
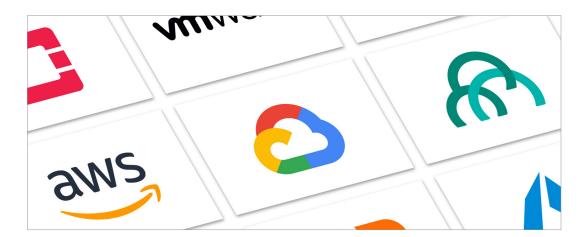>
> – Darío Simonassi, Architecture Manager, MercadoLibre

Hybrid cloud monitoring for complex, dynamic environments

As they migrate workloads to the cloud, organizations often find that their legacy monitoring tools are unable to keep pace with the rate of change in a dynamic cloud environment. Datadog automatically scales with dynamic infrastructure by monitoring new cloud instances or containers as soon as they are brought online. And because Datadog is platform-agnostic, teams can monitor, correlate, and aggregate data from on-premises data centers alongside all their cloud deployments. Monitoring hybrid cloud stacks with Datadog enables organizations to track the performance of each platform side-by-side, trace individual requests as they propagate between on-premises hosts and cloud services, and map out complex application architectures that span multiple environments.

Unify disparate environments in a single pane of glass

With hundreds of vendor-backed integrations, Datadog provides instant visibility into hosted services from cloud providers including AWS, Microsoft Azure, Google Cloud Platform, and Alibaba Cloud. Datadog also integrates seamlessly with private cloud and virtualization technologies such as OpenStack, Cloud Foundry, Pivotal Platform, VMware, and Microsoft Hyper-V. Each of these hybrid cloud monitoring integrations can be set up in minutes and includes an out-of-the-box dashboard that automatically surfaces key metrics for system health and performance.

Filter, aggregate, and correlate data from any environment

Every on-premises host, cloud instance, container, and datapoint in Datadog carries a rich set of tags that can be used to filter, aggregate, and correlate data from any environment. Organizations can use tags to compare the performance of applications from environment to environment, or to group and filter hosts and containers by data center or cloud provider. Tags also enable teams to troubleshoot hybrid cloud issues rapidly by searching and correlating logs and request traces for any environment, service, team, or individual customer.

Automatic cross-platform visibility with monitoring-as-code

Organizations often rely on tools such as Kubernetes, OpenShift, Cloud Foundry, Mesos, Nomad, or Docker Swarm to deploy and manage their applications across diverse infrastructure environments. Datadog integrates natively with those deployment and orchestration tools, as well as a number of CI/CD and configuration management tools, such as Terraform, Chef, Puppet, and Ansible. Organizations leveraging these platforms can automatically deploy and configure Datadog to ensure that every application, host, and container is tracked in Datadog and enrolled in hybrid cloud monitoring dashboards or alerts.