

KUBERNETES OBSERVABILITY WITH NEW RELIC

A 5-STAGE FRAMEWORK FOR SUCCESS,
ALL FROM ONE PLATFORM

1

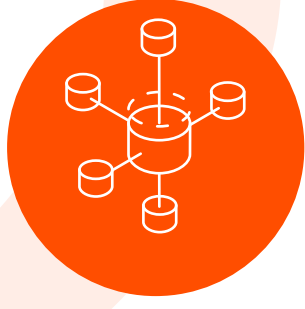


INSTALL KUBERNETES INTEGRATION

Use New Relic Kubernetes cluster explorer to gain an understanding of overall cluster health and capacity.

TECH TIP: Set resource requests and limits for namespaces and pods.

2



CORRELATE KUBERNETES EVENTS WITH OVERALL HEALTH

Monitor all Kubernetes events, by installing our Kubernetes events integration, to get useful context about the dynamic behavior in your cluster (e.g., new deployments, autoscaling and health checks).

TECH TIP: Use Kubernetes liveness and readiness probes.

3



INTEGRATE WITH APM DATA

Link Kubernetes metadata to New Relic APM and get distributed traces and application performance data from your cluster. This will give you insight into error rates, transaction times, and throughput within services in your cluster so you can better understand their performance.

TECH TIP: Use distributed tracing to troubleshoot communication between microservices.

4



INTEGRATE WITH PROMETHEUS ENDPOINTS

Install the New Relic Prometheus OpenMetrics integration for Kubernetes, which removes the overhead of managing storage and availability of Prometheus servers and lets you focus on your business.

TECH TIP: Get metrics from all available Prometheus endpoints, marked by the `prometheus.io/scrape` label.

5



MONITOR LOGS

Use the New Relic plugin for FluentBit and see logs in context for your clusters to speed troubleshooting.

TECH TIP: Use FluentBit as a lightweight log forwarder.



Take a deep dive into Kubernetes monitoring by reading our
**“A COMPLETE INTRODUCTION TO
MONITORING KUBERNETES WITH NEW RELIC.”**