

Need to Extend Prometheus Monitoring?

Dynamic, container-based environments can be a challenge for monitoring cloud-native applications. While Prometheus is gaining rapid developer adoption as the open-source monitoring standard, scaling beyond a few clusters can be challenging.

Typical Prometheus Journey

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Start

You most likely have developers using the Prometheus open source project within your organization. Usually, Prometheus is adopted to monitor a small project or application. That's because Prometheus is fairly easy to use in a small environment with a few exporters and Grafana dashboards.



Typical Prometheus Journey

Expand

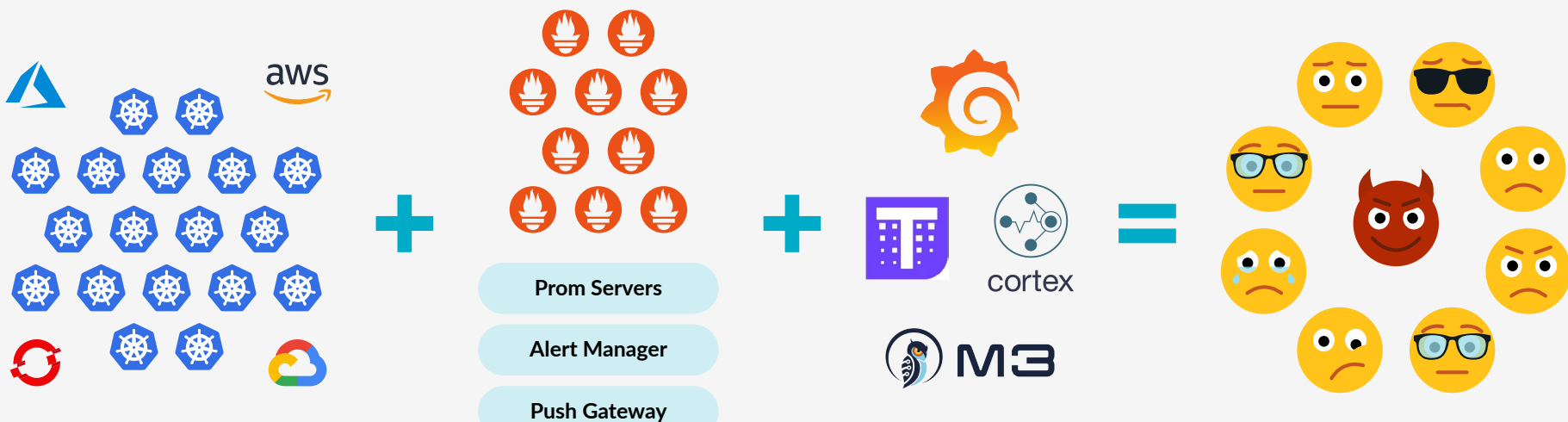
When additional clusters are added for new services, there is a need to switch between different Prometheus servers to see metrics across the clusters. While this is workable, gaps around metric retention, metric scalability, ability to query across clusters and integration in the DevOps workflow begin to emerge.



Typical Prometheus Journey

Scale

As your environment expands, complexity in maintaining global visibility increases. You may need to grow the volume of metrics, retain metrics and analyze and query them, as well as implement access controls. Many organizations invest significant resources and time to address these scale challenges in-house with very limited success.



Options for Extending Prometheus

Build it Yourself

Build and manage Prometheus. Customize monitoring capabilities to fit your teams, applications, and cloud-native rollout.

Identify exporters to monitor applications and services from the open source community.

Gain visibility with metrics ingested every 10 seconds and limited retention for each Prometheus server.

Trial and error to understand what is important to monitor in a cloud-native context.

Secure Prometheus data connection and control access to the metrics on a server by server basis.

Core Considerations

Configuration and Maintenance

Integrations

Scale

Troubleshooting

Access

The Sysdig Solution

Free up valuable resources with a completely vendor-supported On-Prem or SaaS solution that offers full Prometheus compatibility.

Access managed integrations for applications via PromCat, paired with the right dashboards and alerts.

Centralize on a scalable platform that offers millions of time series data with 10-second resolution and 13 months of retention.

Get access to deep container visibility with the ability to troubleshoot faster and proactively with service and container level context.

Use enterprise access controls like RBAC, SSO, LDAP or Sysdig Teams.

Learn more about turnkey Prometheus scaling solution, **Sysdig Monitor**

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