



CloudWatch Container Insights

Monitoring Prometheus Metrics

Sudeeptha Jothiprakash

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- Demo and Summary

Microservice diagnostic needs



Understand
distributed
architecture

Bird's eye view of the
application to locate the
source of the problem



Zoom into
individual
components

Drill down into specific
components or workloads
to learn more

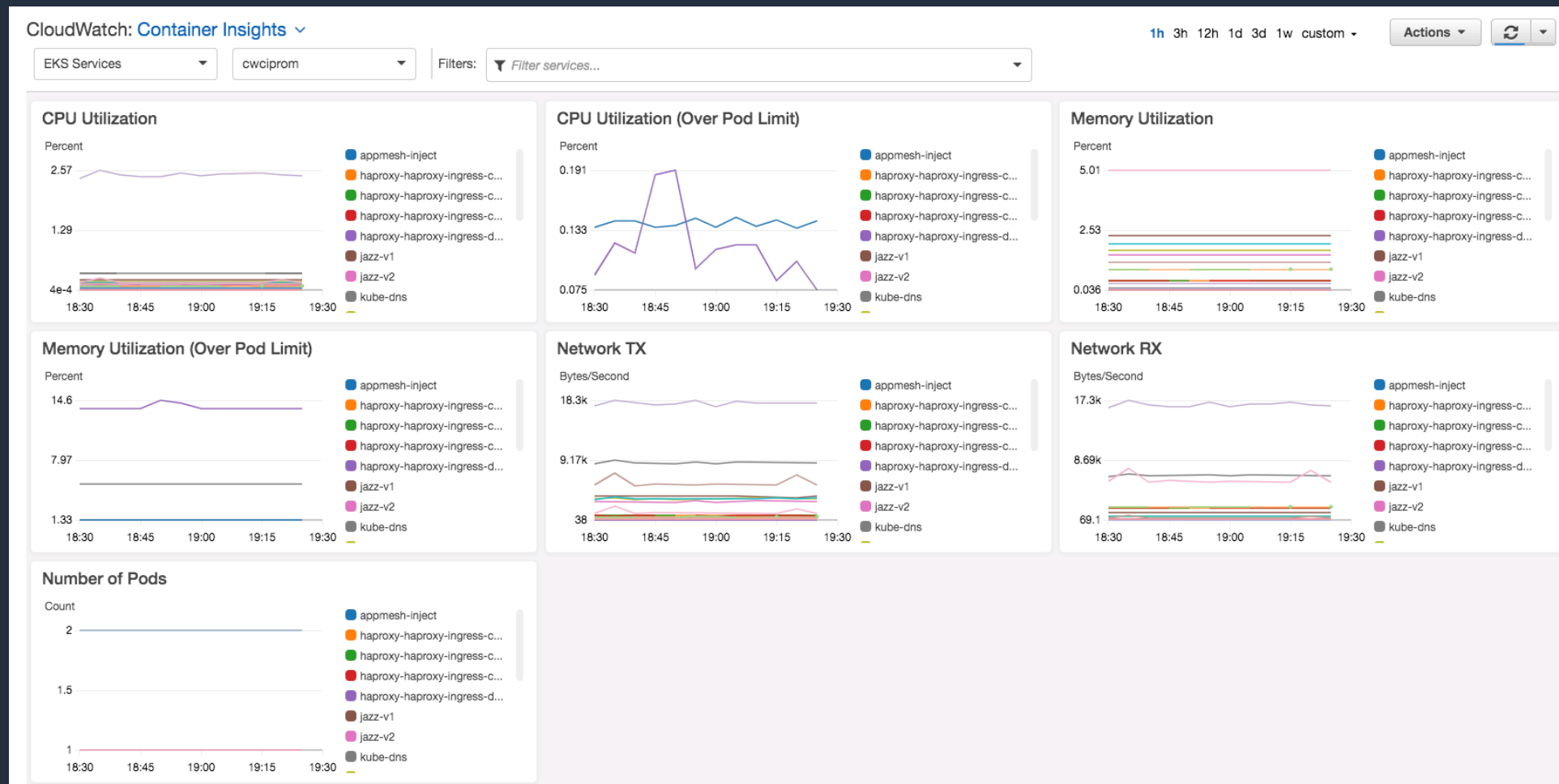


Derive insights
from data
collected

Connect the dots across
metrics and logs
collected.

CloudWatch Container Insights

Collect, aggregate, and summarize metrics and logs from your containerized applications and microservices.

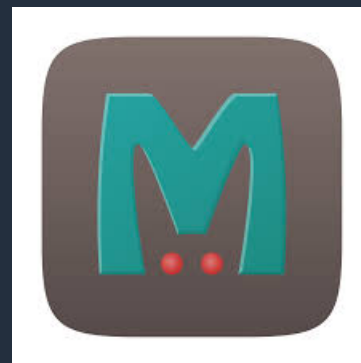


Prometheus

A popular open source monitoring tool that graduated as a Cloud Native Compute Foundation (CNCF) project, with a large and active community of practitioners.



Monitor workloads:



..... and many more.

Monitor Workload metrics on Container Insights

What's new?



Automatically **collects, filters, and creates** aggregated CloudWatch metrics from your workloads.



Preselected services are scraped and automatically enriched with metadata such as cluster and pod names.



Supports scraping of [150+ open source third party exporters](#) compatible with OpenMetrics.



Supports **custom metrics scraping** on services to ingest as CloudWatch Metrics.

How does it work?



Run the CloudWatch Agent in the Kubernetes cluster.

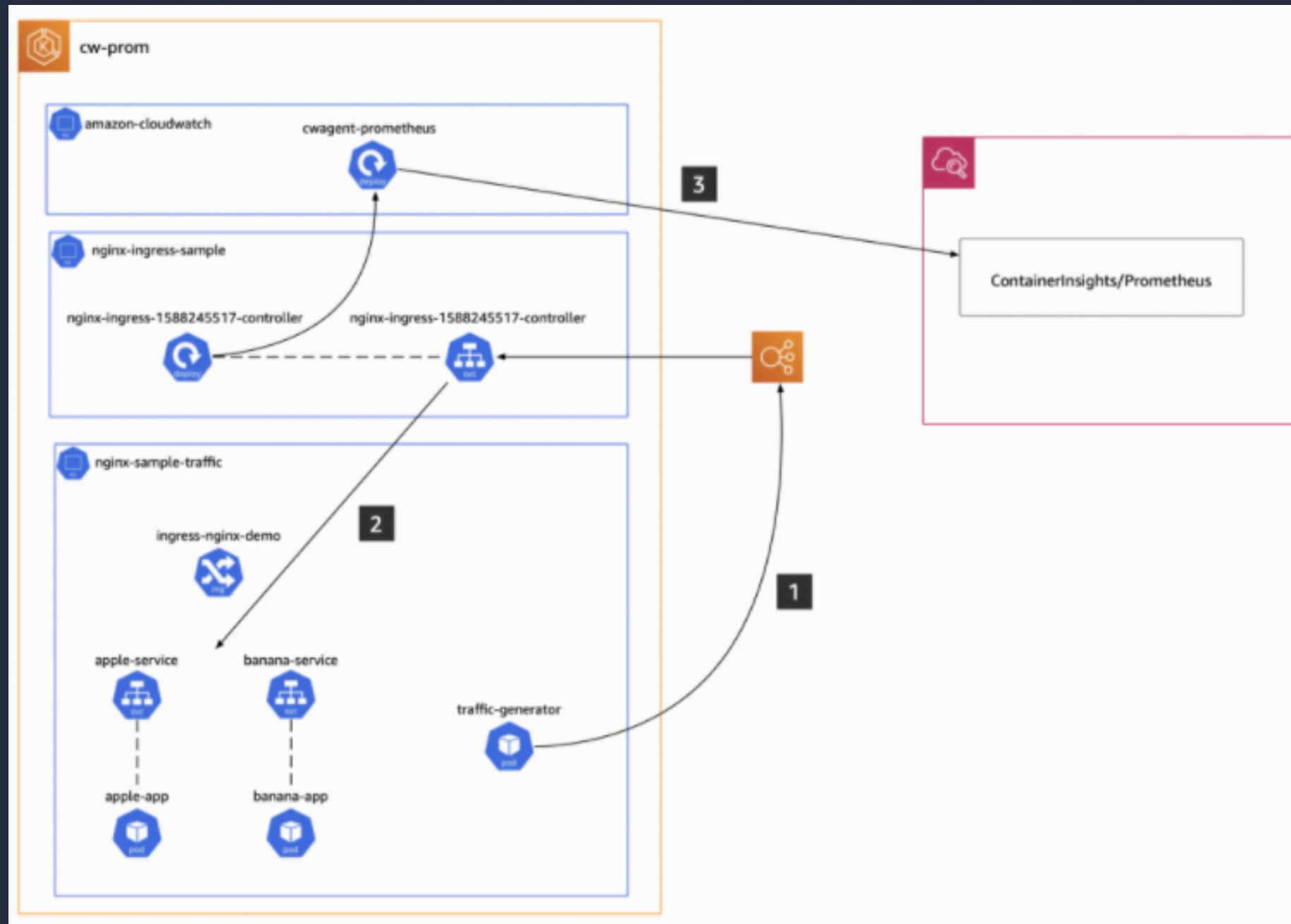


Custom metrics available for a curated set of dimensions that is fully configurable.



Analyze the high-fidelity Prometheus metrics

[Example] Out of the Box metrics from NGINX:



Demo

Microservice diagnostic needs



Understand
distributed
architecture

Resource view with Map
and list to organize
containerized resources



Zoom into
individual
components

Narrow down to specific
Namespace, Service, or
pod with issues



Derive insights
from data
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Connect the dots across
metrics and logs
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Learn more about Container Insights:

Container Insights:

<https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/ContainerInsights.html>

Prometheus Metrics support:

<https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/ContainerInsights-Prometheus.html>

Thank You.

Learn more about Container Insights:

Image slide (collage)

Image slide (2up)

Split content

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White logos

Full color logos

Quotes

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– Customer Name, Title, Company

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– Customer Name, Title, Company

Bar chart

Pie chart

Line chart

Q&A

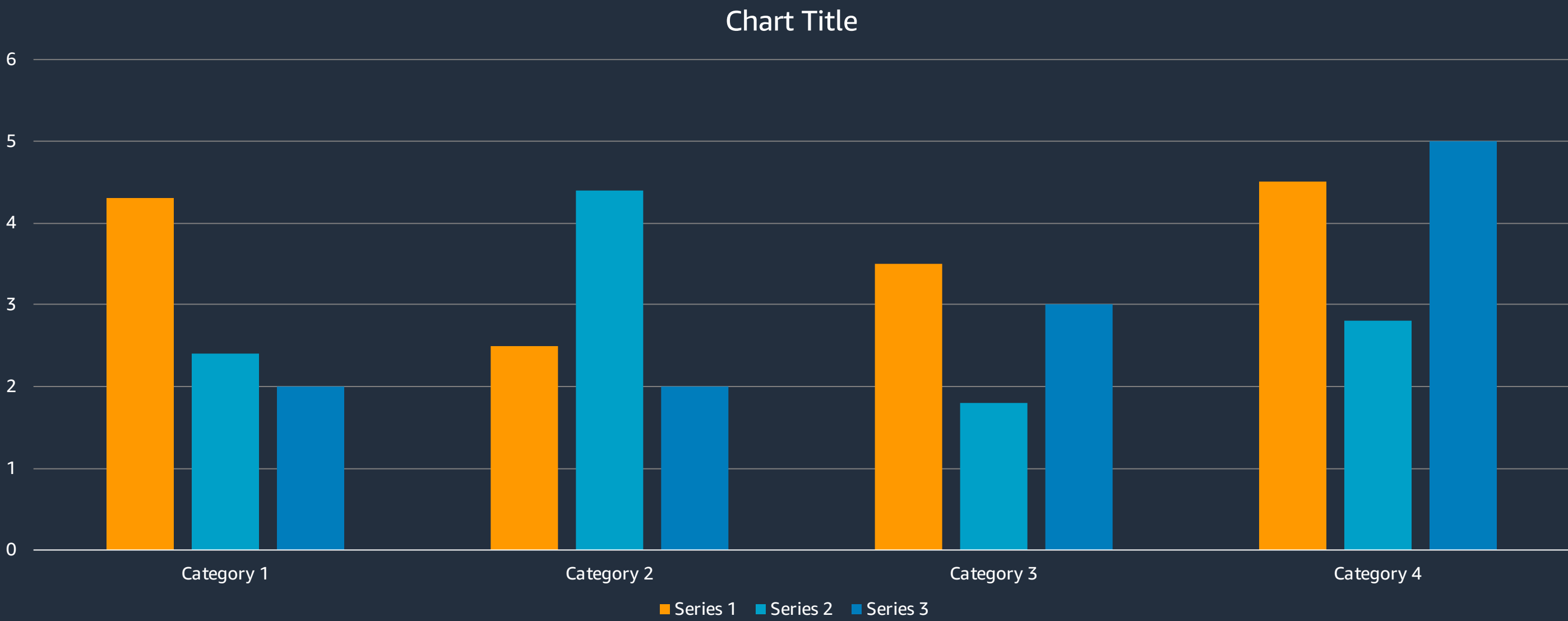
Name of presenter



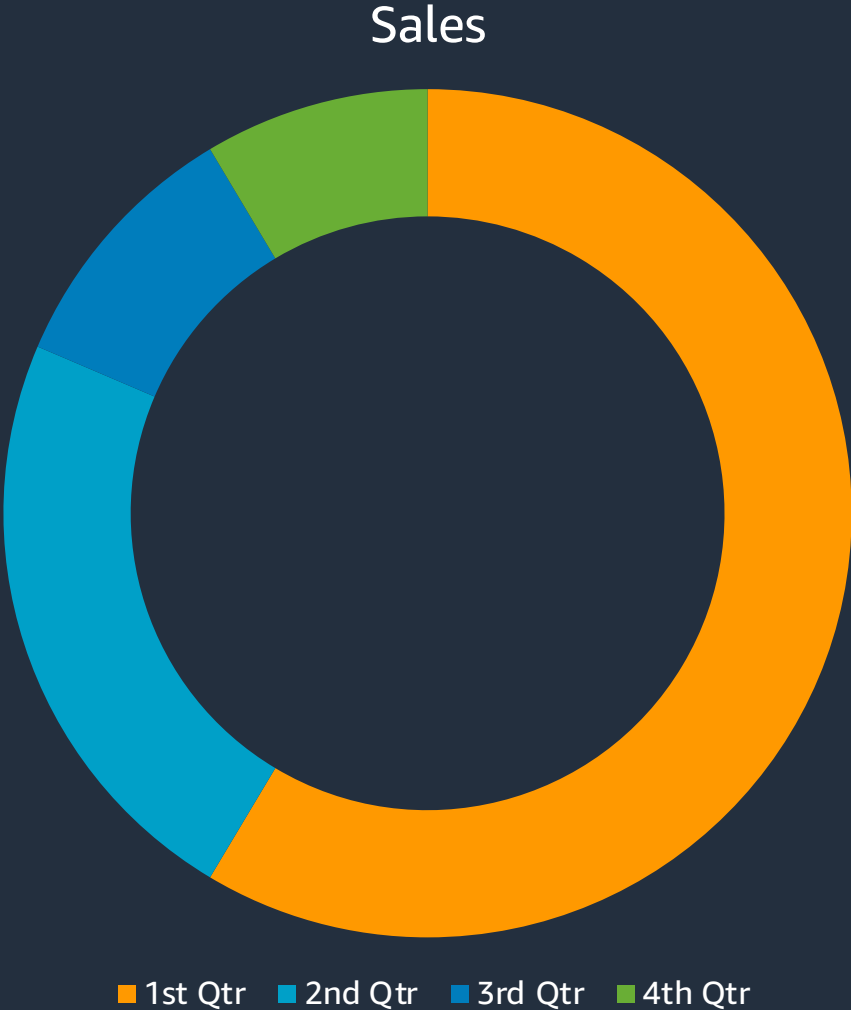
Example Slides

Charts, Photos/Images, Customer logos

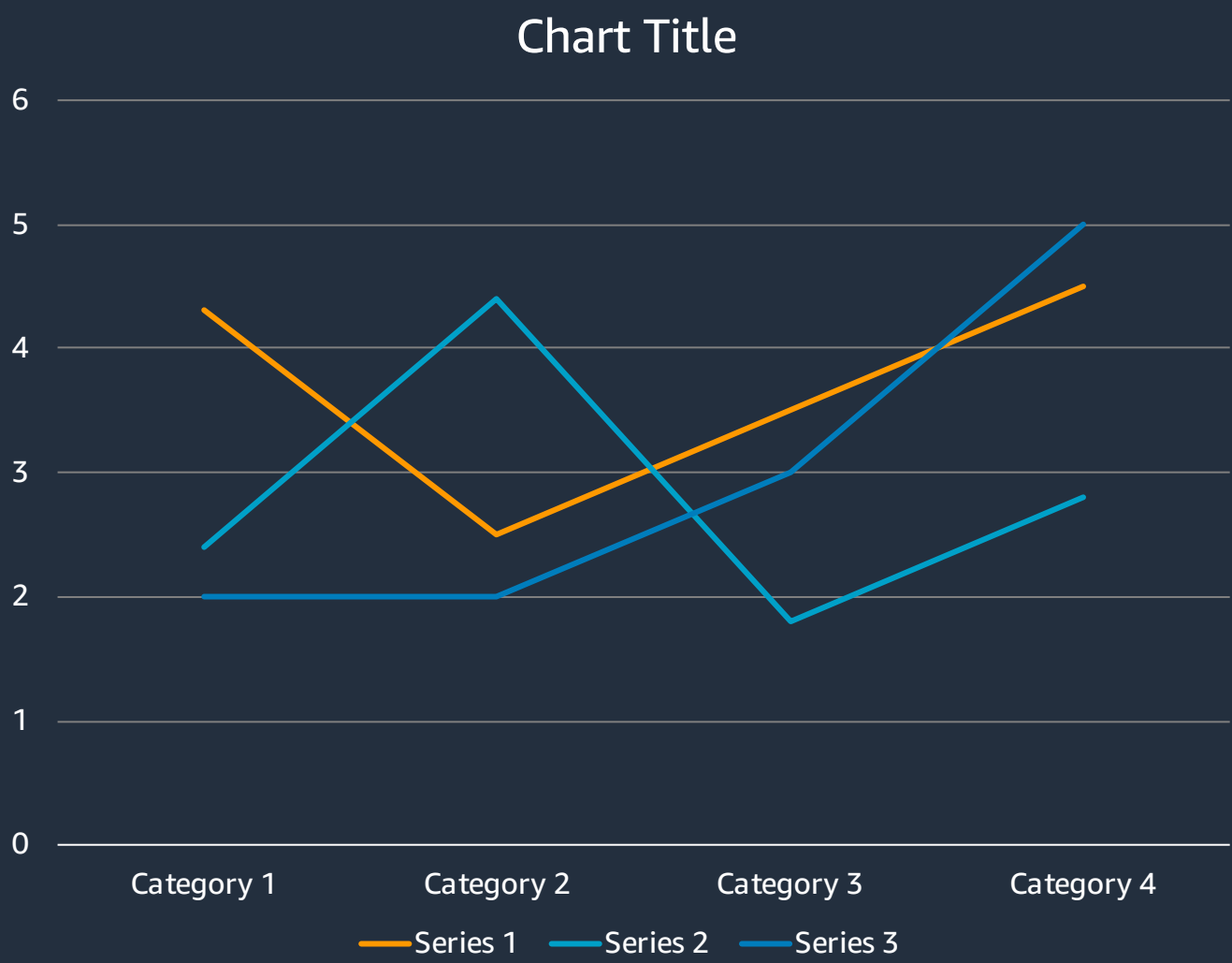
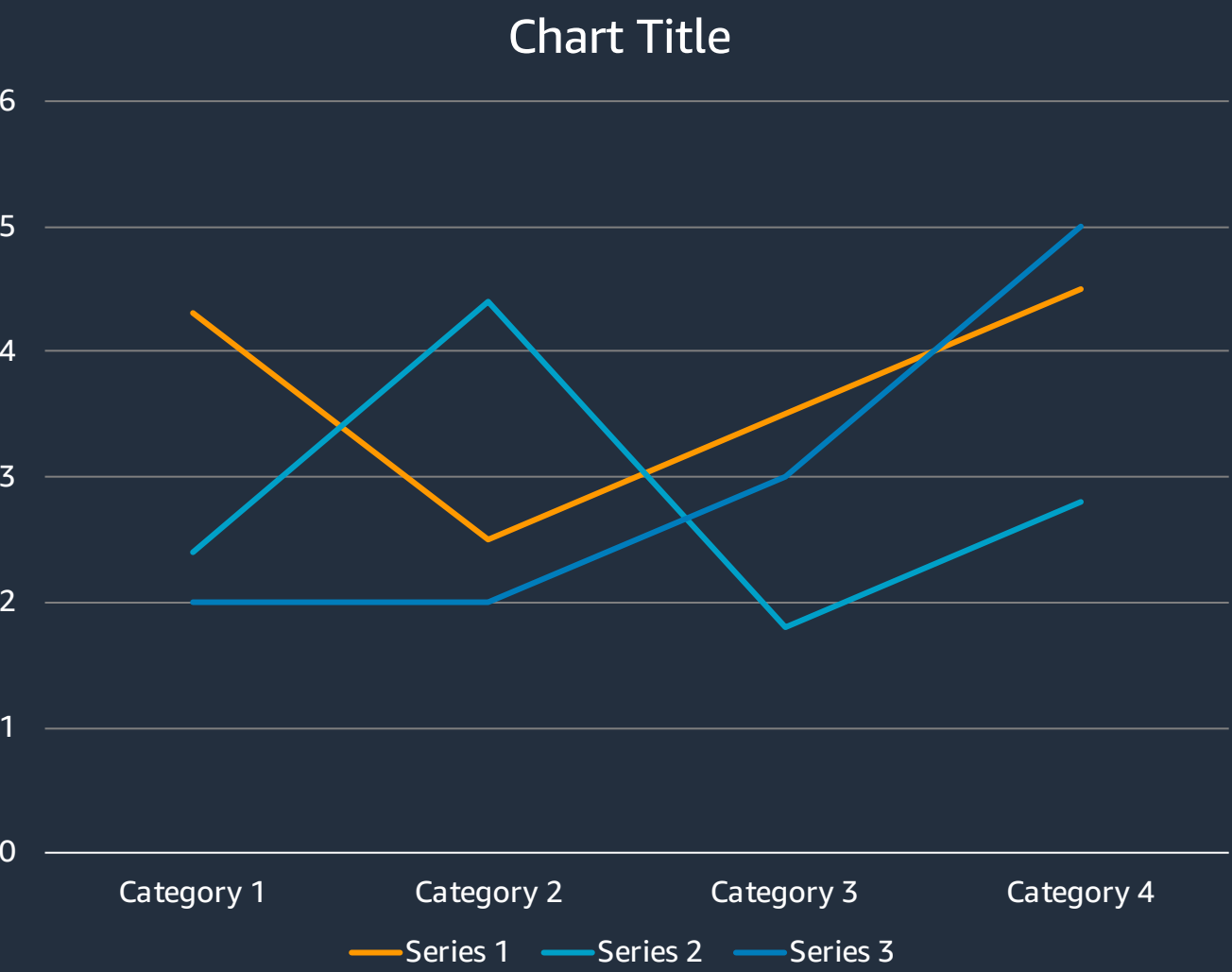
Bar chart



Pie chart



Pie chart



Color & number callouts

1

2

3

4

5



Image slide (collage)

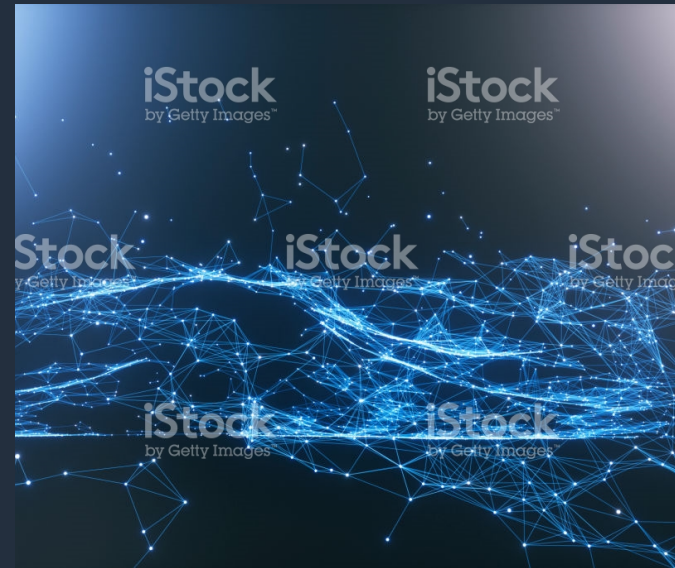


Image slide (one photo center)



Image slide (2up)



Image slide (full bleed photo)



Split content

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