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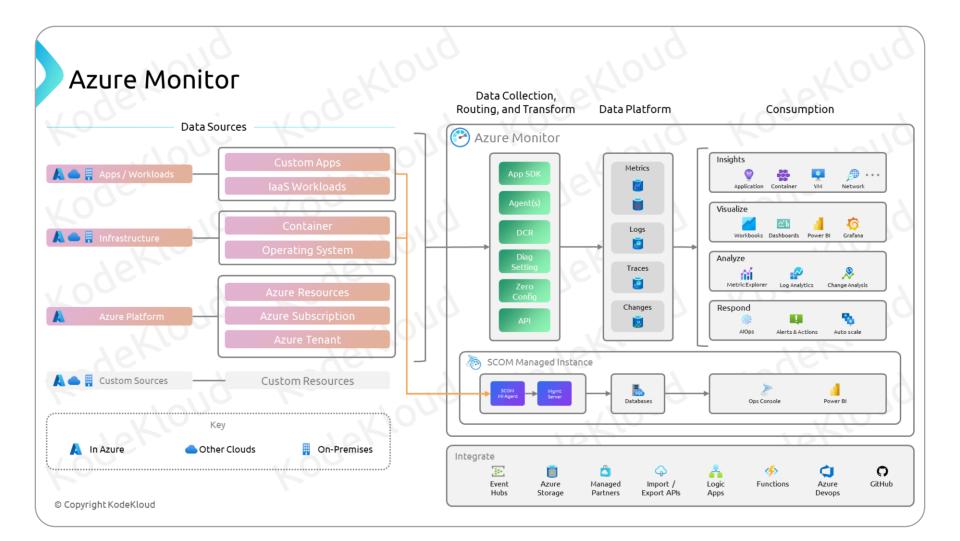
Learning Objectives

- 01 Configure Azure Monitor
- O2 Configure Azure Alerts
- O3 Configure Log Analytics

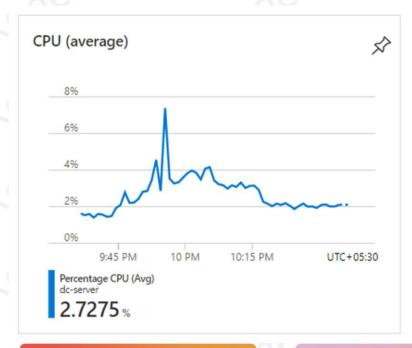
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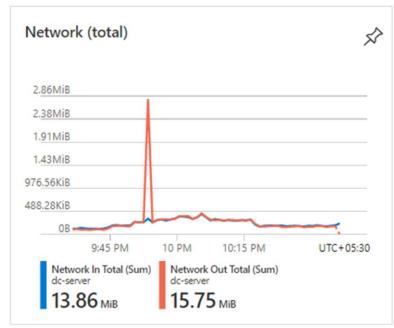
Moved Lab 03a – Manage Azure resources with the Azure portal into this module. It covers resource locks.

- A repeatable way to deliver software and infrastructure code to its destination
- Build and test code
- Deploy to on-prem or cloud resources
- CICD isn't just for software developers. It's also for infrastructure pros



Metrics





Zero configuration required

Time series

Near real-time data

Logs

:	<pre>1 VMProcess 2 where Computer contains "SQL" and ExecutableName == "svchost" 3 extend TimeInEST = TimeGenerated - 5h</pre>	
4	Project TimeInEST, Computer, ExecutableName, Group, FileVersion	
	Results Chart	0

Tim	neInEST [UTC]	Computer	ExecutableName	Group	FileVersion
>	5/30/2022, 4:57:06.186 PM	SQL01.na.contosohotels.com	svchost	Microsoft® Windows® Operati	10.0.14393.0 (rs1_release.160715-1616)
>	5/30/2022, 4:57:06.186 PM	SQL01.na.contosohotels.com	svchost	Microsoft® Windows® Operati	10.0.14393.0 (rs1_release.160715-1616)
>	5/30/2022, 4:57:06.186 PM	SQL01.na.contosohotels.com	svchost	Microsoft Corporation	10.0.14393.0 (rs1_release.160715-1616)
>	5/30/2022, 4:57:06.186 PM	SQL01.na.contosohotels.com	svchost	Microsoft Corporation	10.0.14393.0 (rs1_release.160715-1616)
>	5/30/2022, 4:57:06.186 PM	SQL01.na.contosohotels.com	svchost	Microsoft Corporation	10.0.14393.0 (rs1_release.160715-1616)
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>	5/30/2022, 4:57:06.186 PM	SQL01.na.contosohotels.com	svchost	Microsoft® Windows® Operati	10.0.14393.0 (rs1_release.160715-1616)

Organized as records

Requires additional configuration

Rich query language

Data Sources

Application

- Instrumentation package
- Availability test

05

Azure Monitor

Azure diagnostic

extension

agent

- Azure Resources
- Metrics
- Resource logs

Azure Subscription

- Service health
- Activity log

Azure Tenant

Active directory

ustom

- Instrumentation package
- Application

Metrics Metrics



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Azure Activity Log



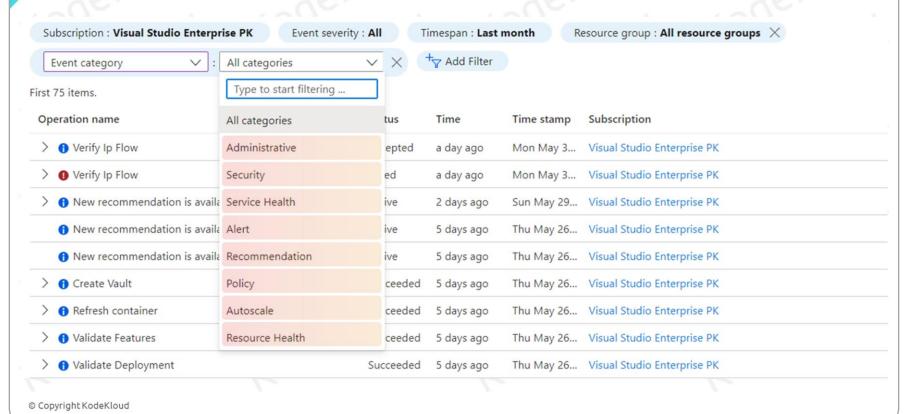
Auditing



Querying Data

Application Resource Application Logs Diagnostic Logs Diagnostic Logs Guest OS Activity Logs Activity Logs Azure Infrastructure Azure Infrastructure **Compute Resource** Non-Compute Resource

Azure Activity Log – Event Categories



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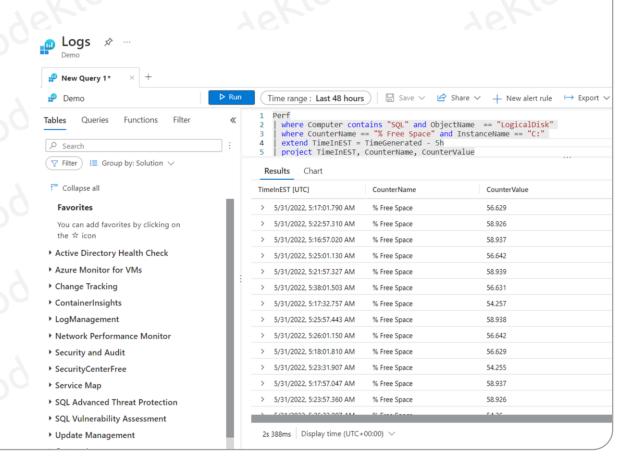
Log Analytics

Data collection

Reporting and visualization

Workspace

Pricing



Log Analytics Workspace







Home > Log Analytics workspaces >

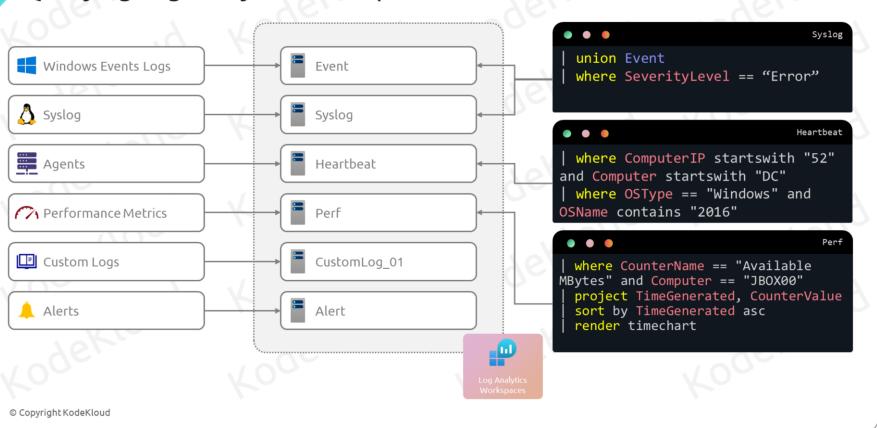
Create Log Analytics workspace

Basics Tags Review + Creat	e	
	e basic management unit of Azure Monitor Logs. There are specific considerations a new Log Analytics workspace. <u>Learn more</u>	×
	sily store, retain, and query data collected from your monitored resources in A insights. A Log Analytics workspace is the logical storage unit where your log	
Project details		
Select the subscription to manage de manage all your resources.	eployed resources and costs. Use resource groups like folders to organize and	
	eployed resources and costs. Use resource groups like folders to organize and Visual Studio Enterprise PK	\ \
manage all your resources.		
manage all your resources. Subscription * ①	Visual Studio Enterprise PK	~
manage all your resources. Subscription * ① Resource group * ①	Visual Studio Enterprise PK	~

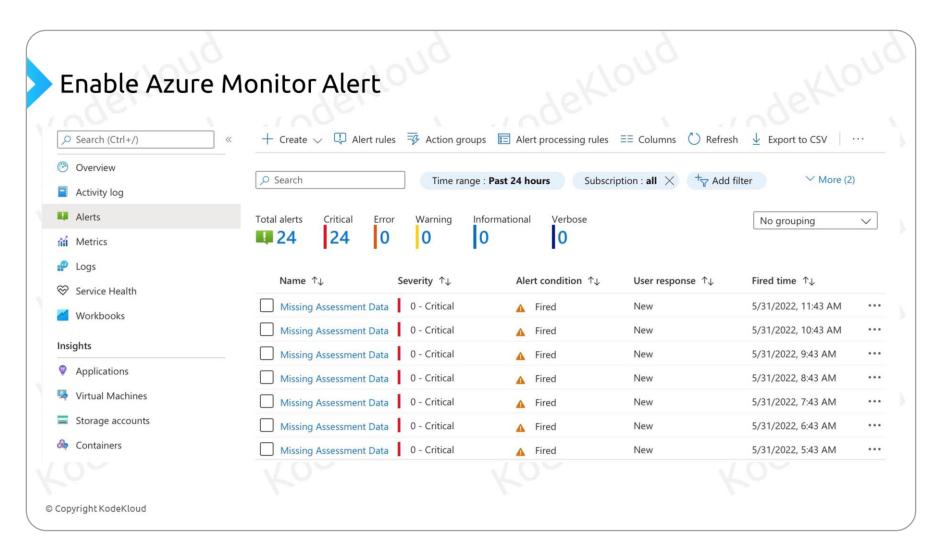
Querying Log Analytics Workspace © Copyright KodeKloud

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Querying Log Analytics Workspace



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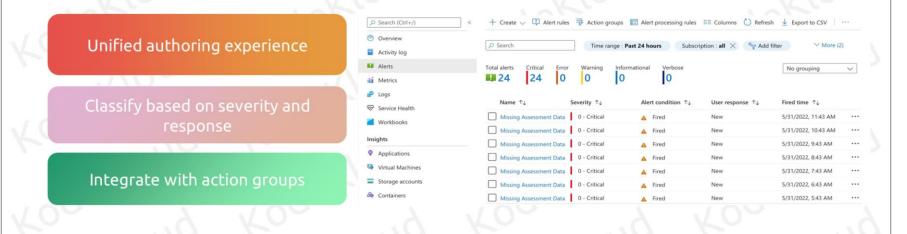
Unified Authoring Experience - We can create alerts for Activity Logs, Service Health Events, Log Analytics, Metrics etc. In all these scenarios the authoring experience is same.

Classify based on severity and response - Azure Alerts supports severity (0-4), so you easily prioritize the alerts. Secondly, we can categorize by user response New, Acknowledged or Closed.

Integrate with Action Groups - Define your notification and automation preferences with the help of Action Groups.

Enable Azure Monitor Alert

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Scope - Defines the scope for alert

Actions - Integrate alerts with Action Groups

Condition - Helps you to define the signal and criteria for alert

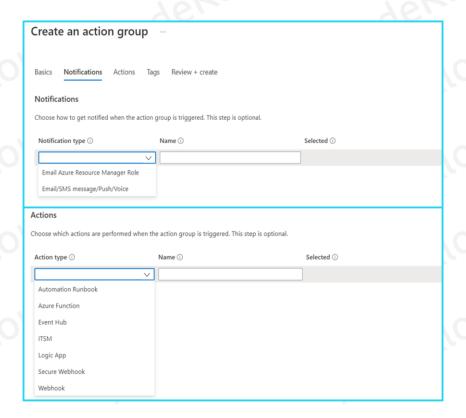
Rule details - Specify name, severity, region, resource group and subscription for the alert

Enable Azure Monitor Alert

Notifications

- Email Azure Resource Manager Role
 (Owner/ Contributor/ Reader/ Monitoring Contributor/ Monitoring Reader)
- Email/SMS/Push/Voice







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