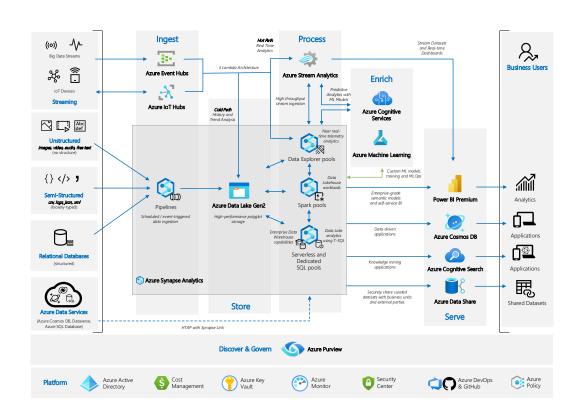


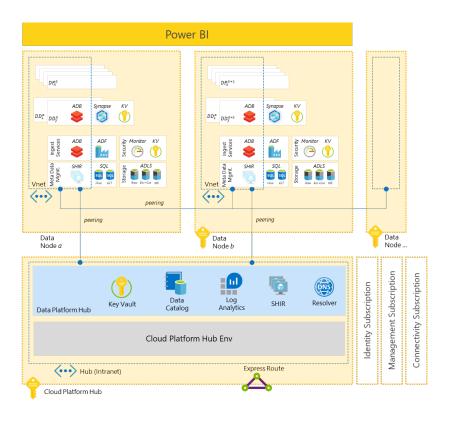




#### Modern Data Platform Architectures...





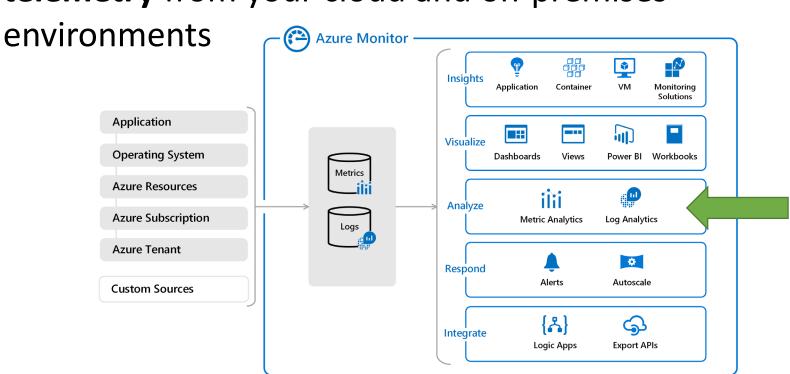


... must have monitoring components



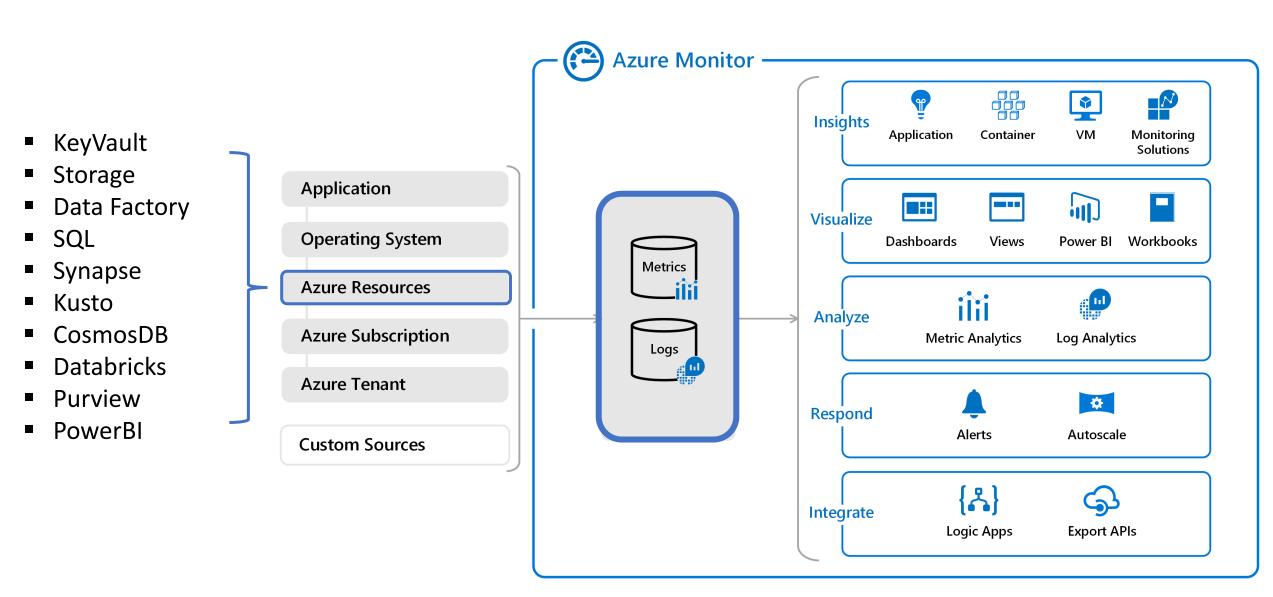
#### MS says:

- Azure Monitor helps you maximize the availability and performance of your applications and services
- It delivers a comprehensive solution for collecting, analysing, and acting on telemetry from your cloud and on-premises

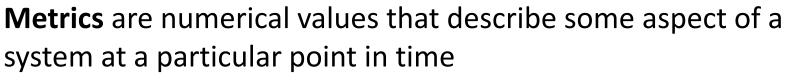


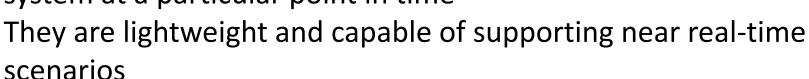
### Azure Monitor Components for the data platform











You can analyse them interactively by using Metrics Explorer, be proactively notified with an alert when a value crosses a threshold, or visualize them in a workbook or dashboard



Logs contain different kinds of data organized into records with different sets of properties for each type

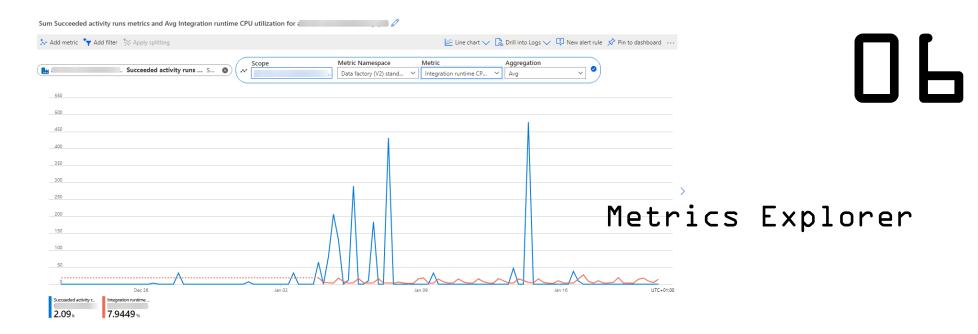
Telemetry such as events and traces are stored as logs in addition to performance data so that it can all be combined for analysis Work with log queries and their results interactively by using Log Analytics, use them in alert rules to be proactively notified of

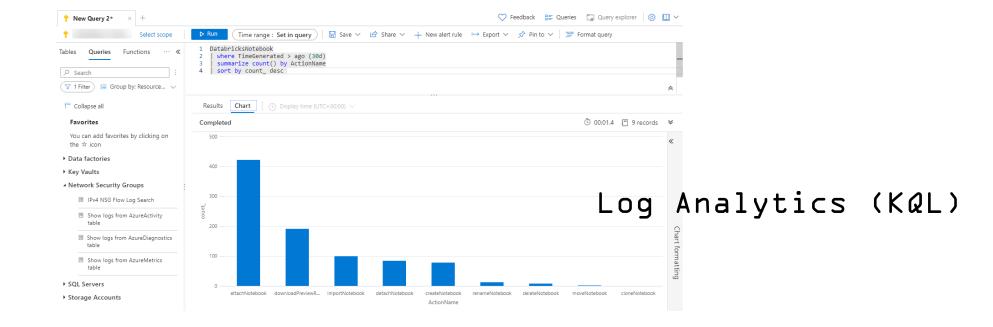
issues, or visualize their results in a workbook or dashboard











## Azure Diagnostic Settings



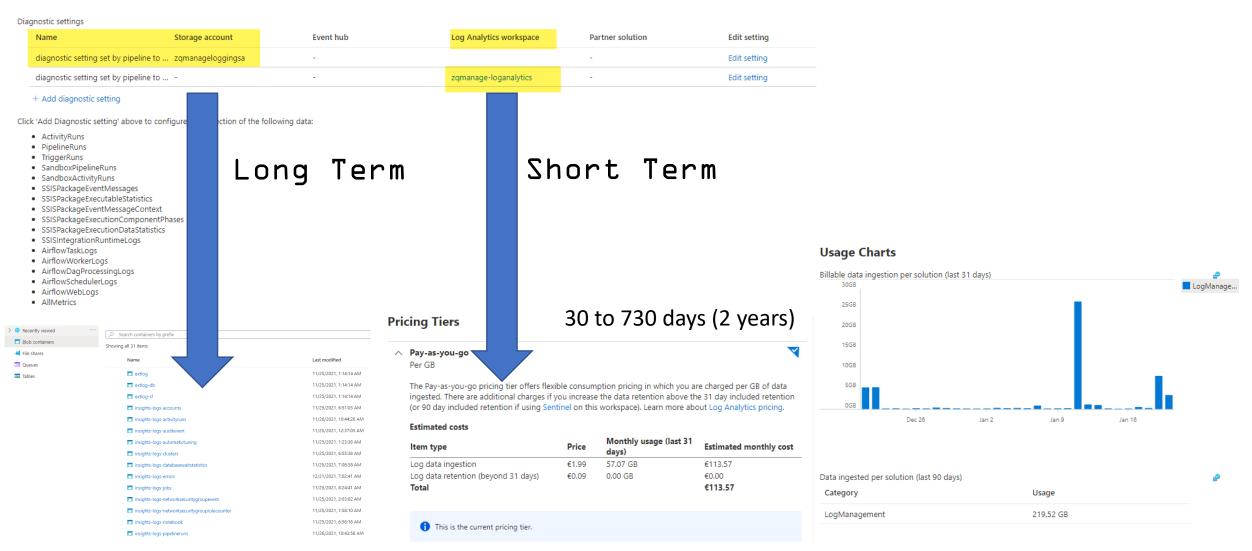


- Key Vault
- Storage
- Data Factory —
- SQL
- Synapse
- Kusto
- CosmosDB
- Databricks
- Purview

Metric	Metric display name	Unit	Aggregati	Description
				The total number of activity runs that were cancelled
ActivityCancelledRuns	Cancelled activity runs metrics	Count	Total	within a minute window.
				The total number of activity runs that failed within a
ActivityFailedRuns	Failed activity runs metrics	Count	Total	minute window.
				The total number of activity runs that succeeded within a
ActivitySucceededRuns	Succeeded activity runs metrics	Count	Total	minute window.
				The total number of pipeline runs that were cancelled
PipelineCancelledRuns	Cancelled pipeline runs metrics	Count	Total	within a minute window.
				The total number of pipeline runs that failed within a
PipelineFailedRuns	Failed pipeline runs metrics	Count	Total	minute window.
				The total number of pipeline runs that succeeded within a
PipelineSucceededRuns	Succeeded pipeline runs metrics	Count	Total	minute window.
				The total number of trigger runs that were cancelled
TriggerCancelledRuns	Cancelled trigger runs metrics	Count	Total	within a minute window.
				The total number of trigger runs that failed within a
TriggerFailedRuns	Failed trigger runs metrics	Count	Total	minute window.
				The total number of trigger runs that succeeded within a
TriggerSucceededRuns	Succeeded trigger runs metrics	Count	Total	minute window.
				The total number of SSIS integration runtime starts that
SSISIntegrationRuntimeStartCancelled	Cancelled SSIS integration runtime start metrics	Count	Total	were cancelled within a minute window.
				The total number of SSIS integration runtime starts that
SSISIntegrationRuntimeStartFailed	Failed SSIS integration runtime start metrics	Count	Total	failed within a minute window.
				The total number of SSIS integration runtime starts that
SSISIntegrationRuntimeStartSucceeded	Succeeded SSIS integration runtime start metrics	Count	Total	succeeded within a minute window.
				The total number of SSIS integration runtime stops that
SSISIntegrationRuntimeStopStuck	Stuck SSIS integration runtime stop metrics	Count	Total	were stuck within a minute window.
				The total number of SSIS integration runtime stops that
SSISIntegrationRuntimeStopSucceeded	Succeeded SSIS integration runtime stop metrics	Count	Total	succeeded within a minute window.
				The total number of SSIS package executions that were
SSISPackageExecutionCancelled	Cancelled SSIS package execution metrics	Count	Total	cancelled within a minute window.
				The total number of SSIS package executions that failed
SSISPackageExecutionFailed	Failed SSIS package execution metrics	Count	Total	within a minute window.
				The total number of SSIS package executions that
SSISPackageExecutionSucceeded	Succeeded SSIS package execution metrics	Count	Total	succeeded within a minute window.

#### Azure Diagnostic Settings - Storage



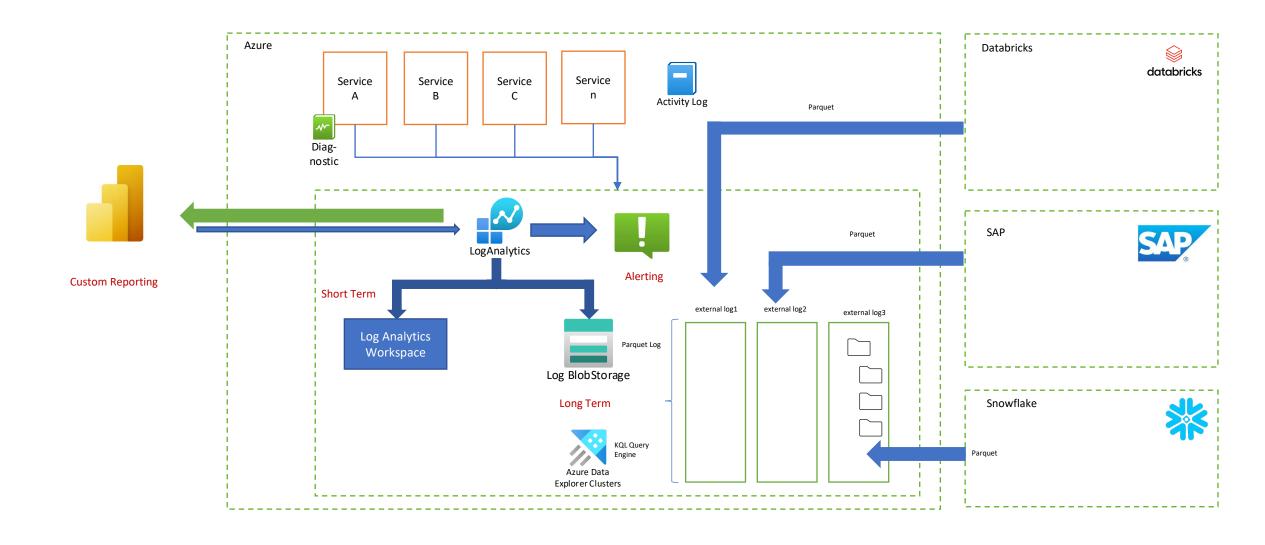


Storage Account

Log Analytics Workspace

# Log your Analytics landscape







# Monitoooor!



- Get all your metrics and logs from your
   Azure Data Platform Services
- Store them Short and Long Term
- Analyze them via Graphs and with the Kusto Query Language (KQL)
- Include external logs (e.g. Databricks, SAP, Snowflake)
- Create Alerts to be informed when "bad" things happen
- All in Azure all integrated