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# Exploring Azure with Resource Graph

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# What do we want?

- Gain insights to effectively govern our Azure resources
- Explore resources quickly and efficiently
- The ability to query at scale
- Across a given set of Azure subscriptions
- Tracking of changes made to resource properties

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## Azure Resource Graph



# Do you already use Azure Resource Graph?

- Azure portal's search bar
- The new browse 'All resources' experience
- Azure Policy's Change history (preview)

# How does Azure Resource Graph work?

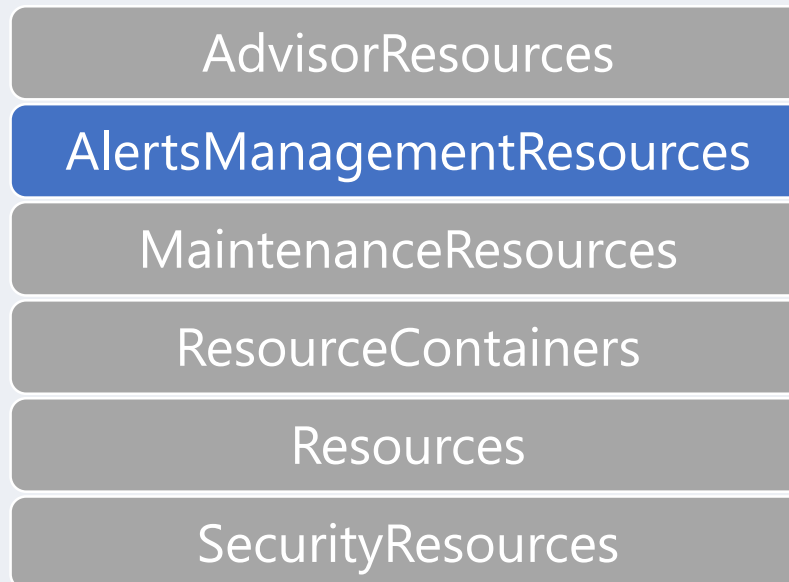
- The Azure Resource Graph query language
- Based on [Kusto Query Language \(KQL\)](#)
- Resource Graph tables

AdvisorResources
AlertsManagementResources
MaintenanceResources
ResourceContainers
Resources
SecurityResources



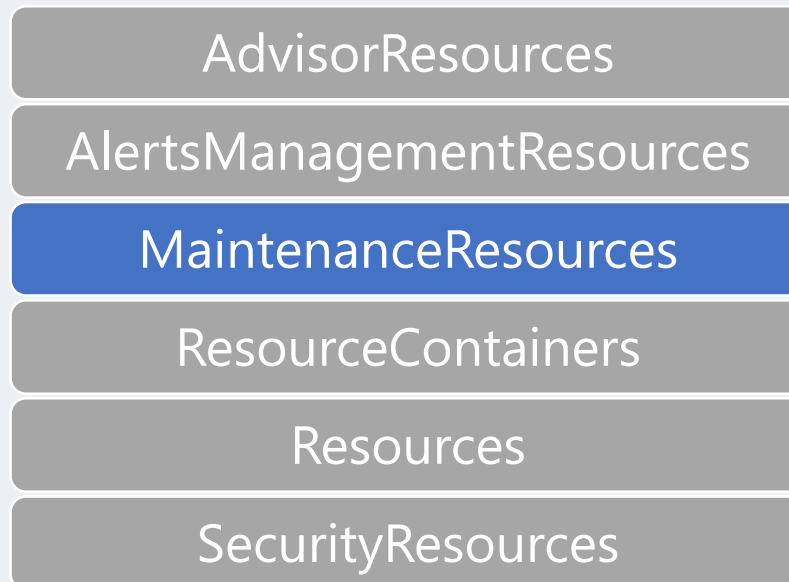
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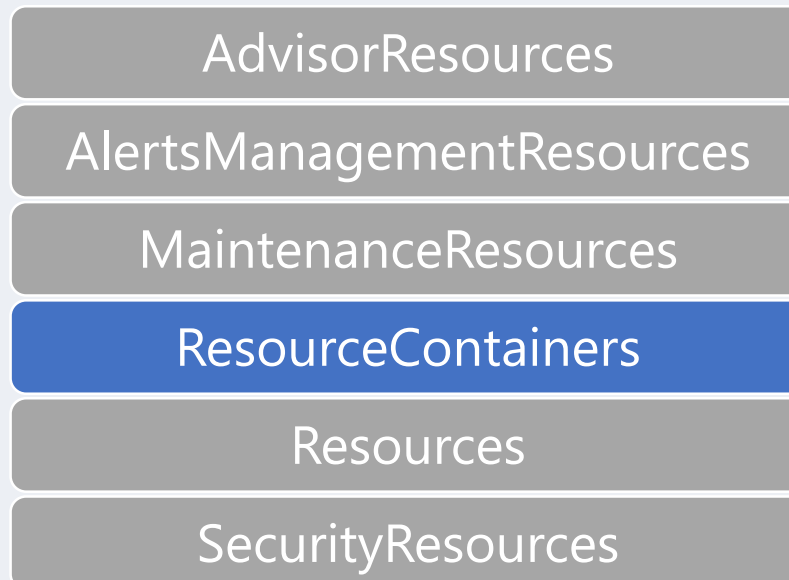
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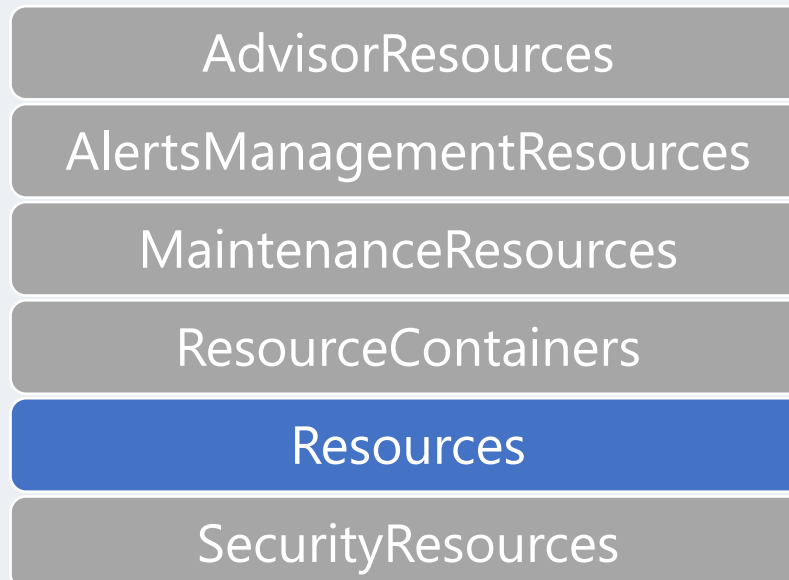
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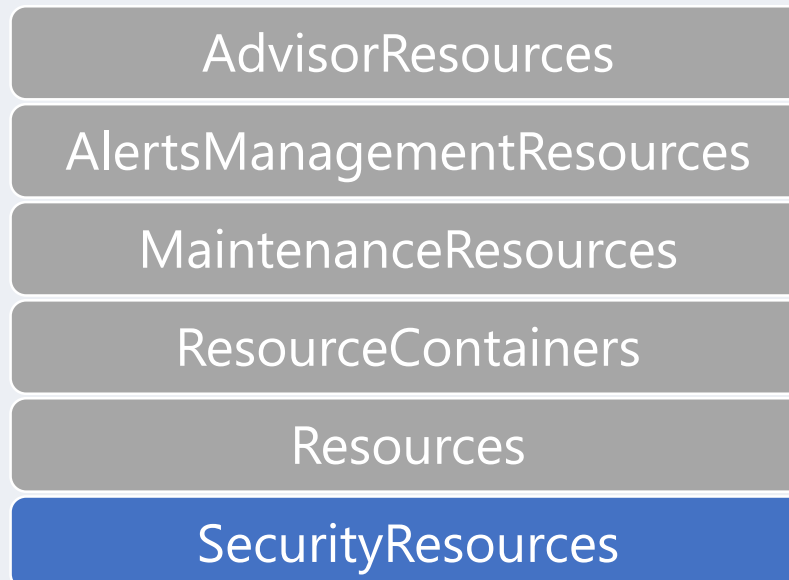
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# Running Azure Resource Graph query

- Resource Graph Explorer in Azure portal
  - Pin the results as dynamic charts to provide real-time dashboards
- Azure PowerShell
  - `Install-Module -Name Az.ResourceGraph`
- Azure CLI
  - `az extension add --name resource-graph`
    - The query is structured the same for each language.
- Private and shared queries

# DEMO

## Azure Resource Graph query examples





**THANK YOU.**

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