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Big Data con Azure Data Explorer

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Agenda

Arquitectura Azure Big Data

Data Streaming

Azure Data Explorer

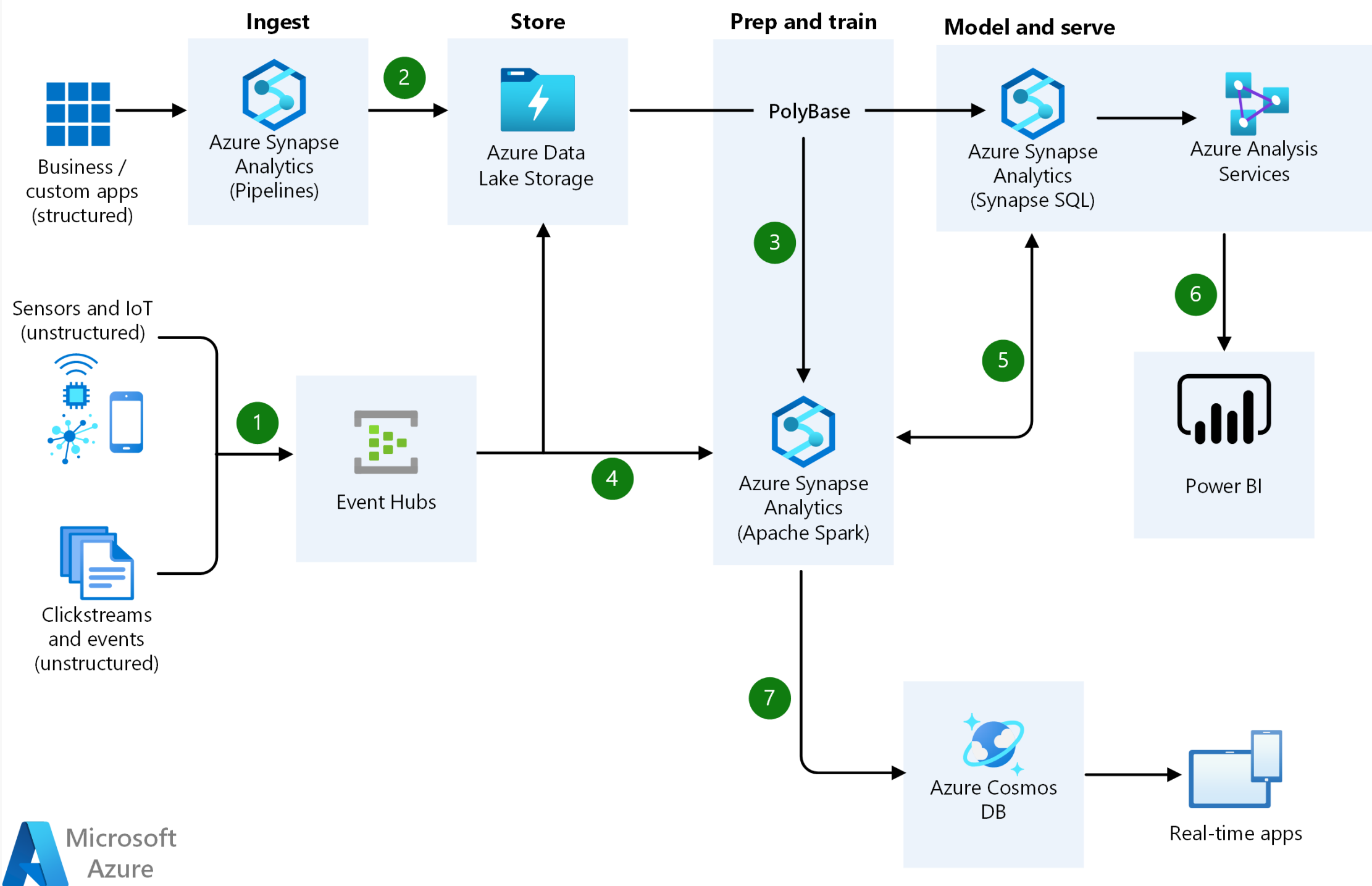
Kusto Query Language (KQL)

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Arquitectura Azure Big Data



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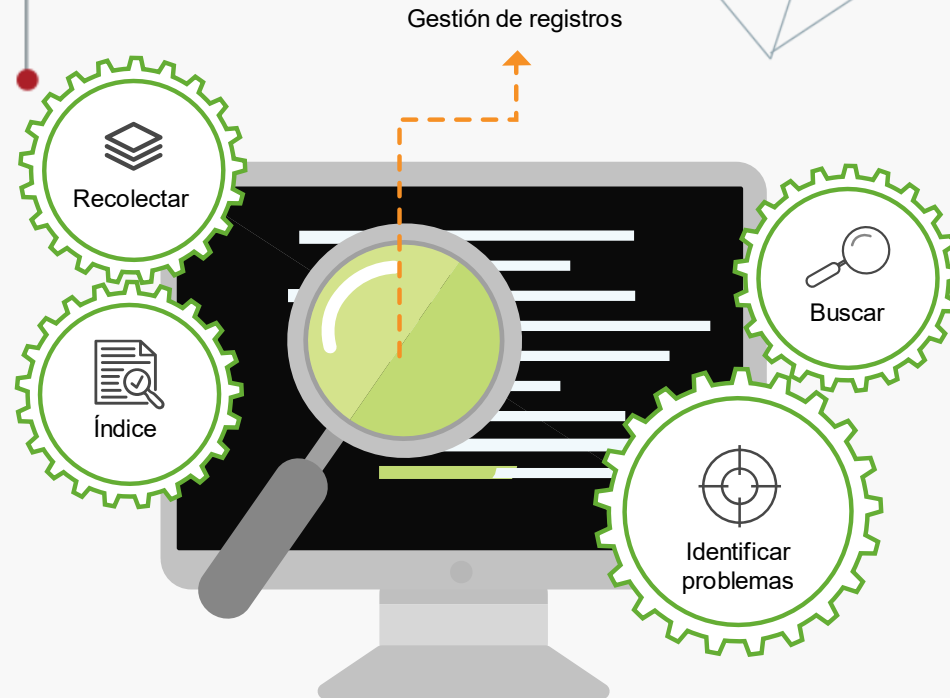
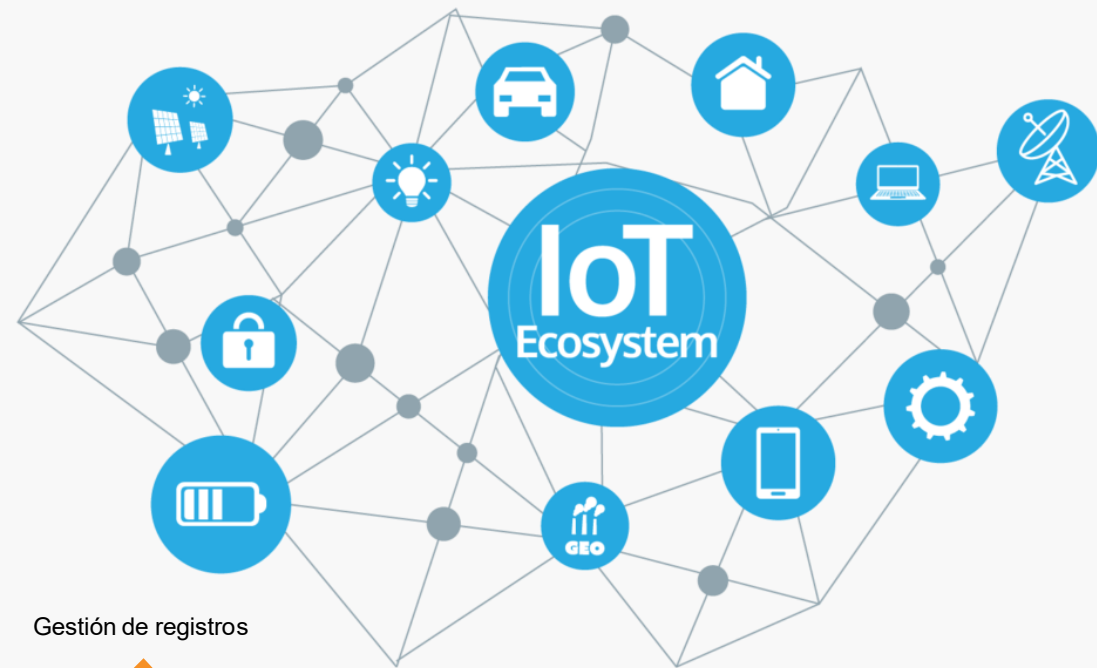
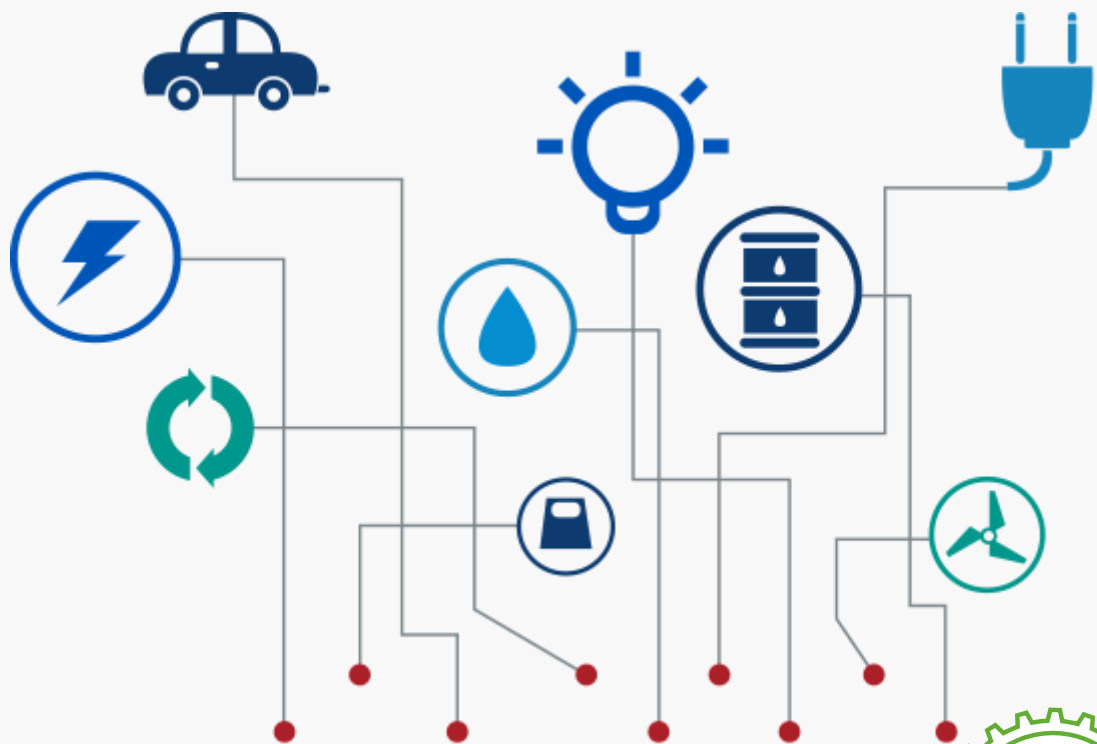


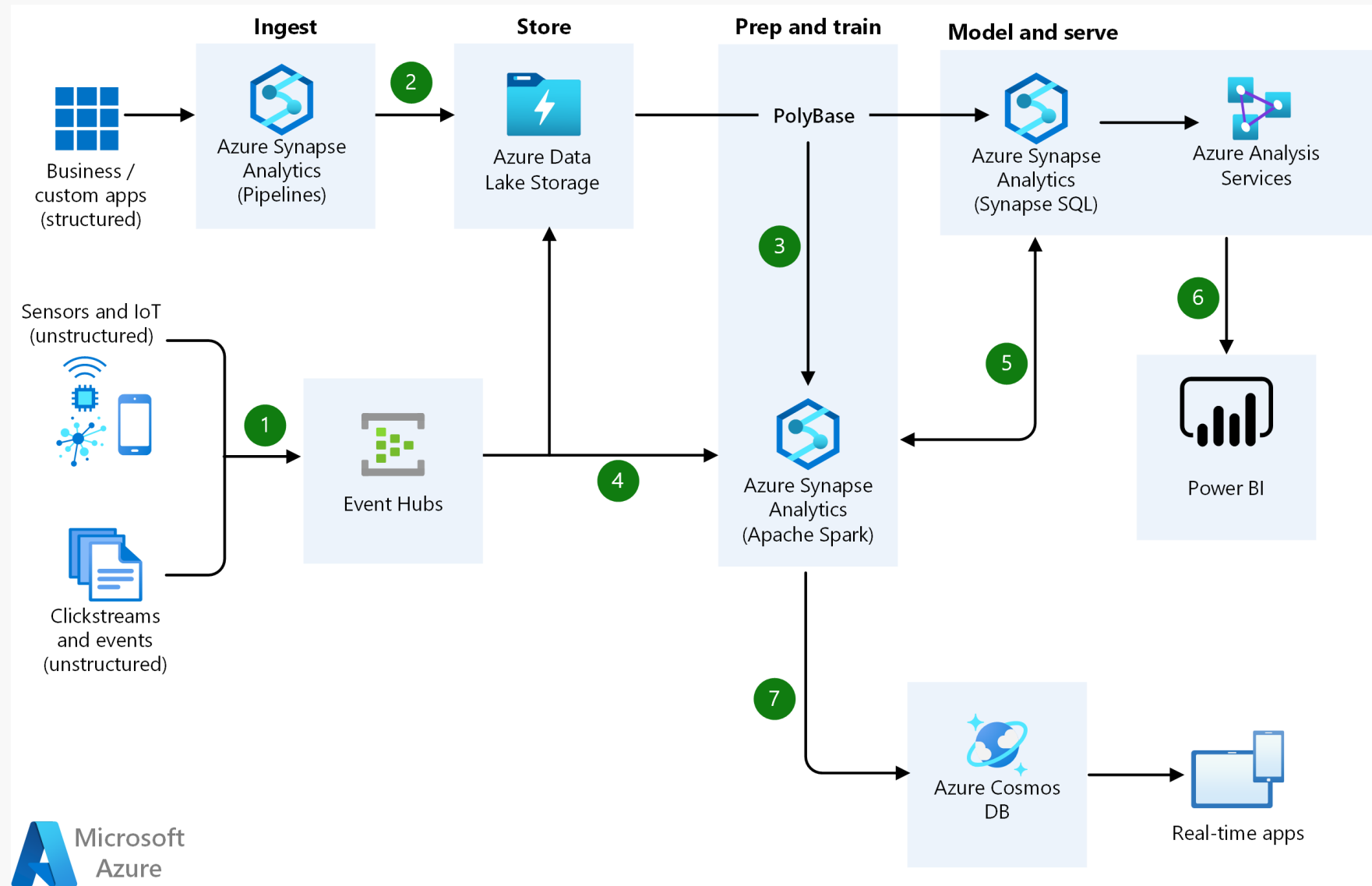
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Data Streaming



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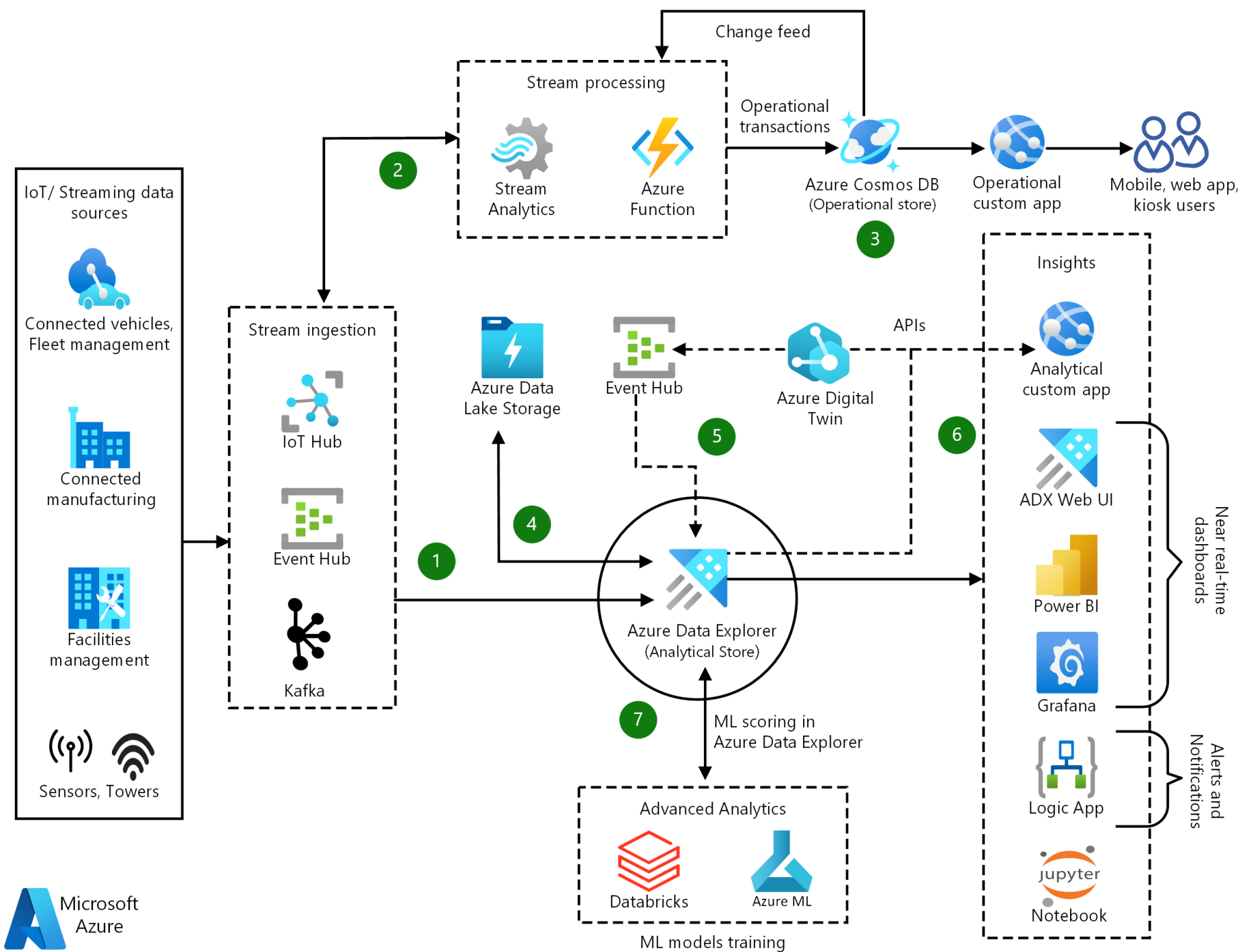


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Azure Data Explorer



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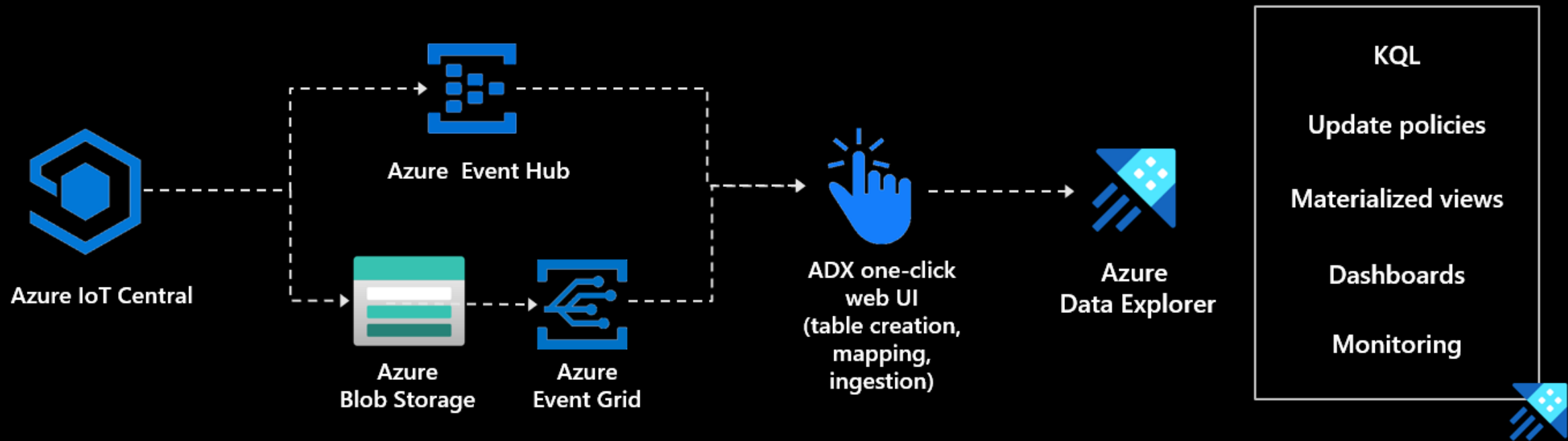


Azure Data Explorer



- ✓ Brinda Análisis en tiempo real.
- ✓ Posee Escalabilidad horizontal.
- ✓ Optimización para datos no estructurados y semiestructurados.
- ✓ Lenguaje de consulta flexible.

DEMO



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KUSTO QUERY LANGUAGE KQL



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```
1 .ingest into table AzureDevOpsLog
2 h'https://gcayom0074.analytics.visualstudio.com/_odata/v3.0-preview/auditLogs'
3 with
4 (format = "json",
5 ignoreFirstRecord = 1,
6 ignoreLeadingWhiteSpace = 1,
7 timestampFormat = "yyyy-MM-ddTHH:mm:ss.fffZ")
8
```

Tabla 1					Tabla 2				
ExtentId	ItemLoaded	Duration	HasErrors	OperationId					
> 00000000-0000-0000-0000-000000000000	https://gcayom0074.analytics.visualstudio.com/_od...	00:00:00.2656354	true	dd586091-e2d5-4a					

Home > Logs Demo

New Query 1* x +

Time range: Last 24 hours

Run Save Share New alert rule Export Pin to

Tables Queries Functions

Search

Filter Group by: Solution

Collapse all

Favorites

You can add favorites by clicking on the ☆ icon

Active Directory Health Check

Azure Monitor for VMs

Change Tracking

ContainerInsights

LogManagement

Network Performance Monitor

Security and Audit

ProtectionStatus

SecurityAlert

AlertLink (string)

AlertName (string)

AlertSeverity (string)

Implicit time filter

Query window

Query results

Tables/queries

Column chooser

Columns by type

Results Chart Columns Display time (UTC+00:00) Group columns

Completed. Showing results from the last 24 hours.

TimeGenerated [UTC] Account AccountType Computer EventSourceName

1/2/2022, 3:38:53.483 PM NA.CONTOSOHOTELS.COM\DC... Machine DC11.na.contosohotels... Microsoft-Windows

1/2/2022, 3:39:11.697 PM EL.S.COM\DC... Machine DC11.na.contosohotels... Microsoft-Windows

1/2/2022, 3:40:45.340 PM EL.S.COM\DC... Machine DC10.na.contosohotels... Microsoft-Windows

1/2/2022, 3:40:48.533 PM NA.CONTOSOHOTELS.COM\DC... Machine DC10.na.contosohotels... Microsoft-Windows

1/2/2022, 3:40:46.490 PM NA.CONTOSOHOTELS.COM\SQ... Machine DC01.na.contosohotels... Microsoft-Windows

1/2/2022, 3:40:56.490 PM NA.CONTOSOHOTELS.COM\DC... Machine DC01.na.contosohotels... Microsoft-Windows

2022, 3:42:23.657 PM NA.CONTOSOHOTELS.COM\SQ... Machine DC01.na.contosohotels... Microsoft-Windows

2022, 3:42:30.063 PM NA.CONTOSOHOTELS.COM\DC... Machine DC01.na.contosohotels... Microsoft-Windows

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CONSULTAS

Call to Action

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- Microsoft Learn @ <https://learn.microsoft.com/es-mx/>

Patrocinadores



