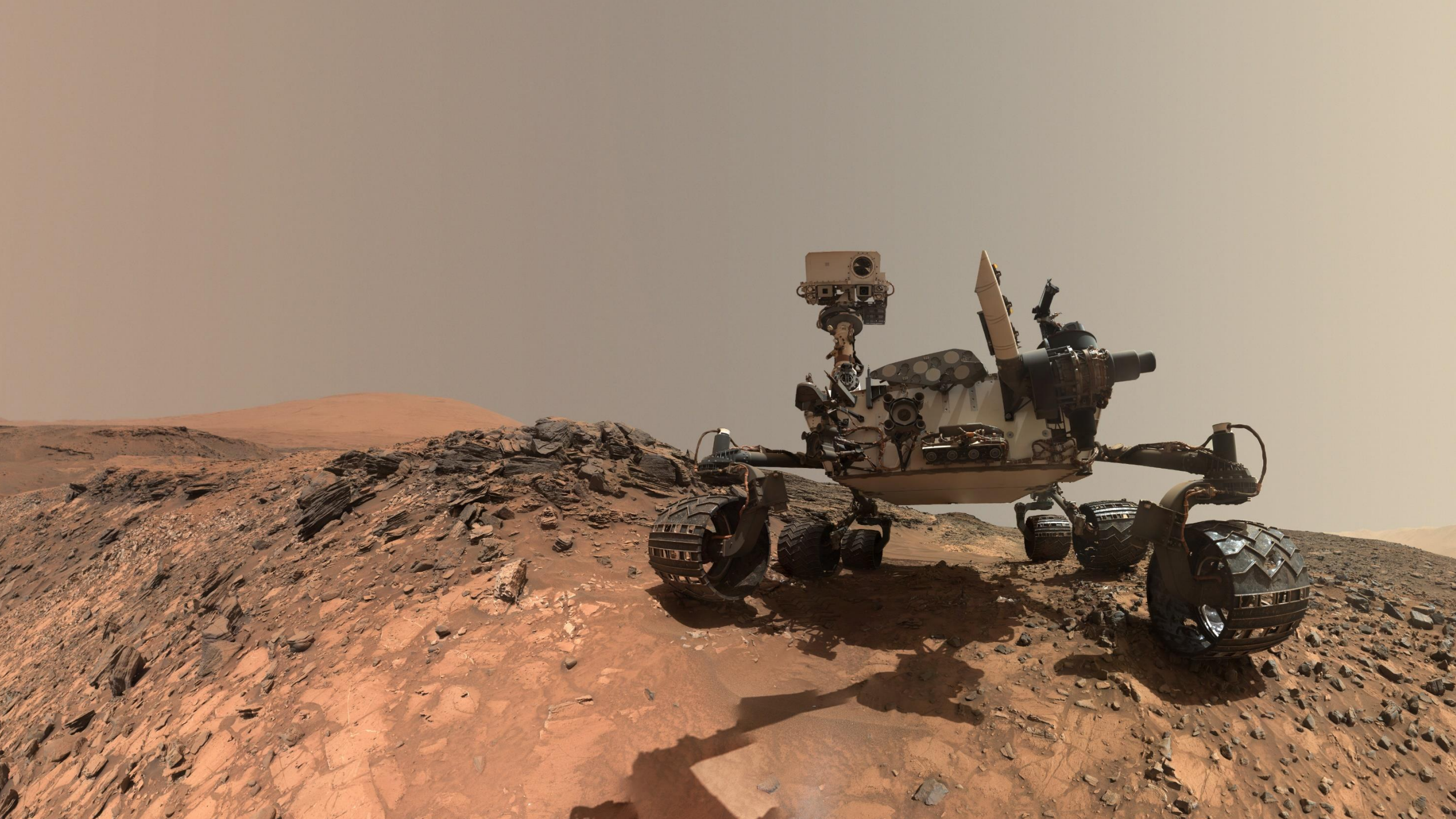
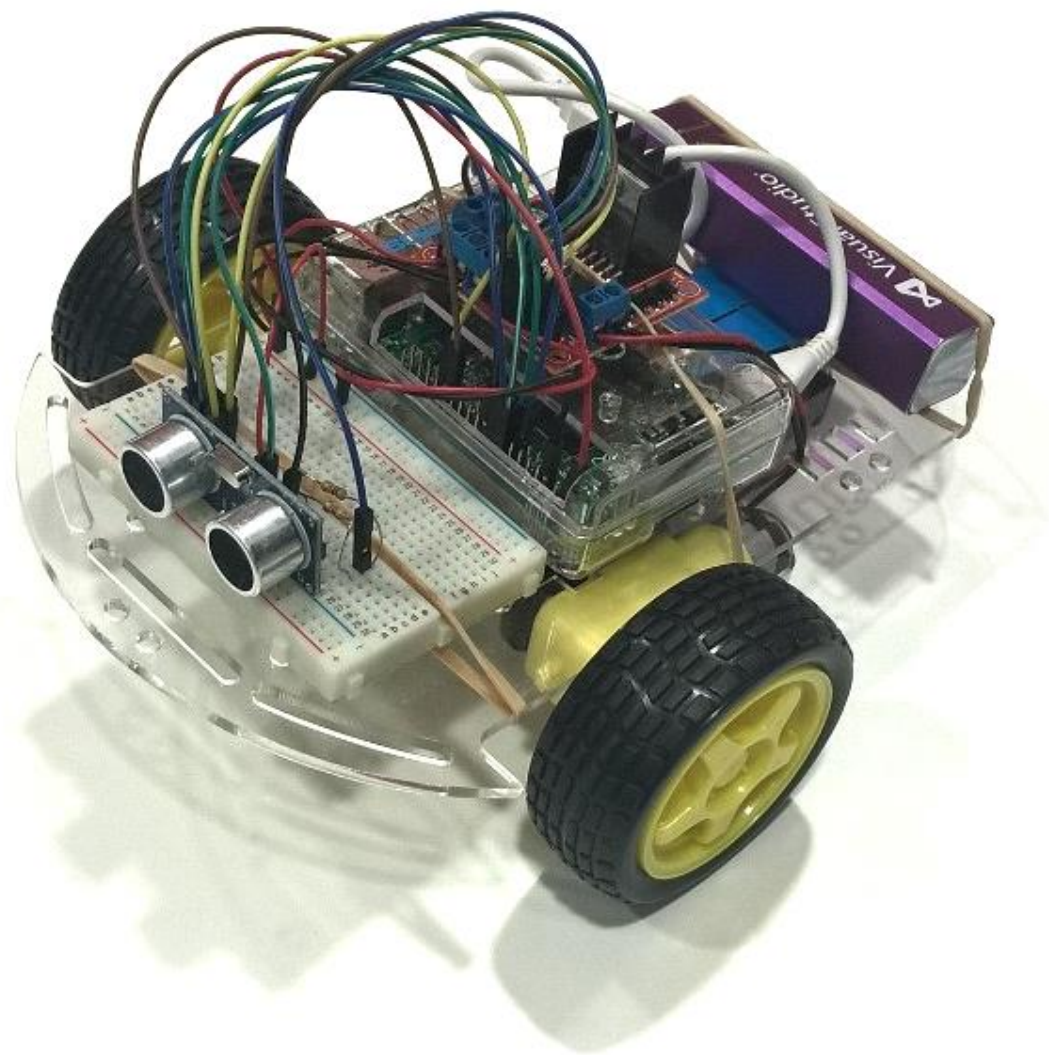


NARCIOTS







<https://www.hackster.io/peejster/rover-c42139>

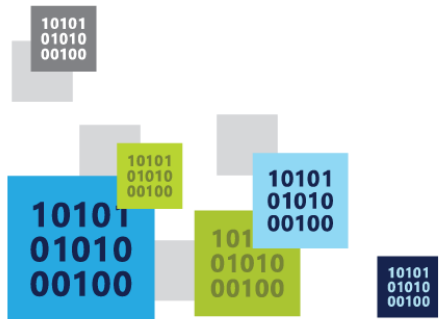


Internet of *the* Your Things

Diego Martínez

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@diegomrtnzg



What is the Internet of (your) Things?

Things



Connectivity



Data

10101
01010
00100

Analytics

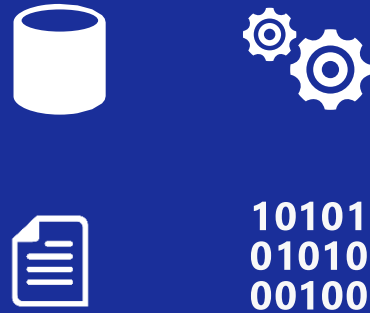


Your things, our services

You have things...

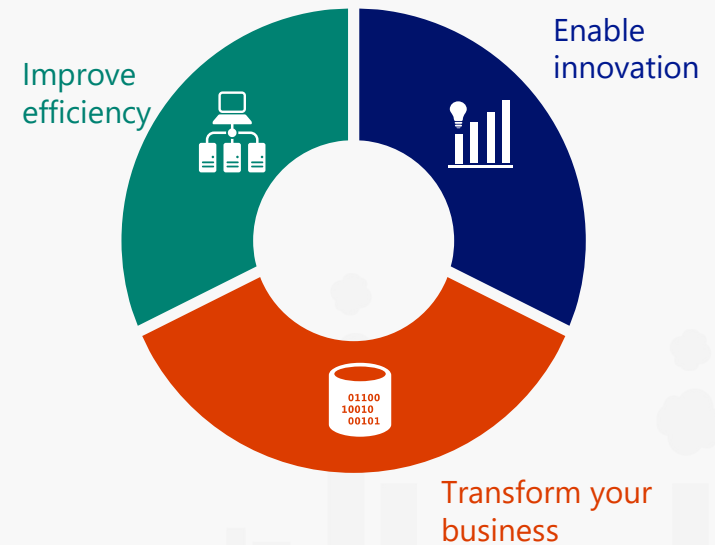


You have data...






















10101
01010
00100

Microsoft has
services that:



Microsoft Azure services for IoT

Producers	Data Transport	Storage	Analytics	Presentation & action
	 Event Hubs (Service Bus)	 SQL Database	 Machine Learning	 Web Apps
	 Heterogeneous client agents	 Table/Blob Storage	 HD Insight	 Mobile Apps
	 External Data Sources	 DocumentDB	 Stream Analytics	 Notification Hubs
		 External Data Sources	 Cloud Services	 Power BI
				 External Services

Connected Things by 2020:
26 billion

Gartner

IoT provides Data in motion



VS



EventHub + Azure Stream Analytics

Fully managed
real-time analytics



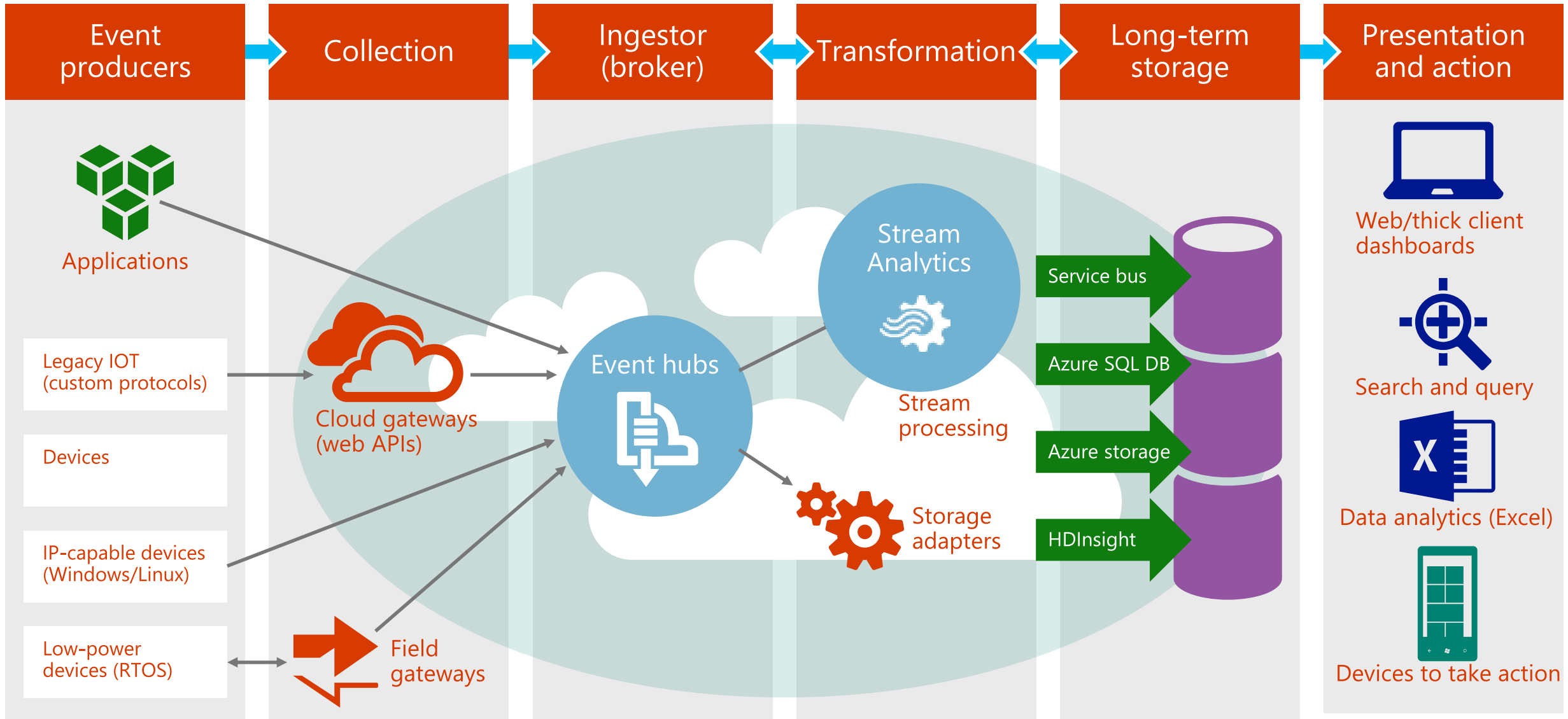
Mission critical
reliability and scale



Enables rapid
development



End-to-end stream processing on Microsoft Azure



Query Language - Overview

DML Statements

SELECT
FROM
WHERE
GROUP BY
HAVING
CASE
JOIN
UNION

Date and Time Functions

DATENAME
DATEPART
DAY
MONTH
YEAR
DATETIMEFROMPARTS
DATEDIFF
DATADD

Aggregate Functions

SUM
COUNT
AVG
MIN
MAX

Scaling Functions

WITH
PARTITION BY

Windowing Extensions

Tumbling Window
Hopping Window
Sliding Window
Duration

String Functions

LEN
CONCAT
CHARINDEX
SUBSTRING
PATINDEX



DEMO
¡Plata o plomo!

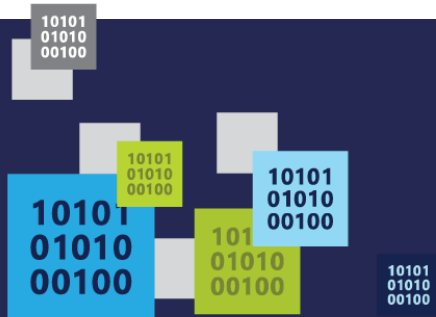
<https://docs.microsoft.com/en-us/azure/event-hubs/>

<https://docs.microsoft.com/en-us/azure/stream-analytics/>

<https://powerbi.microsoft.com/en-us/>

<https://aka.ms/narciots-demo>

Some resources





¡Al IoT se le
respeta!





Microsoft

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