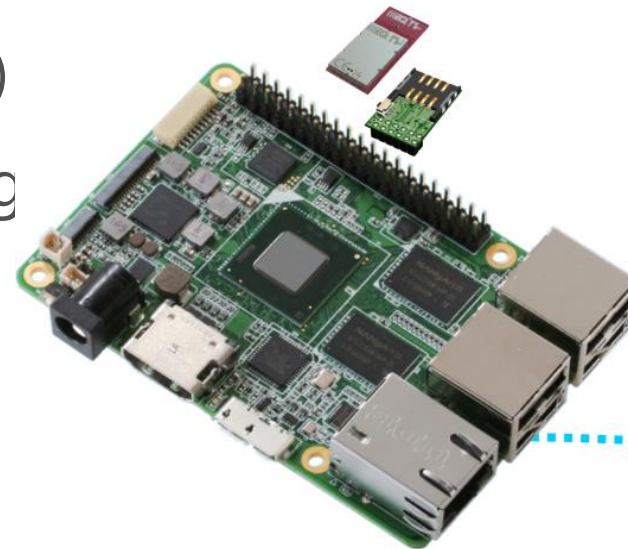


Microsoft Azure

1. (Install PowerShell)
2. Create Azure Subscription
3. Provision IQRF Ecosystem (PowerShell script) → configuration
4. Create Power BI dashboard (script)
5. Install Device Manager (debugging

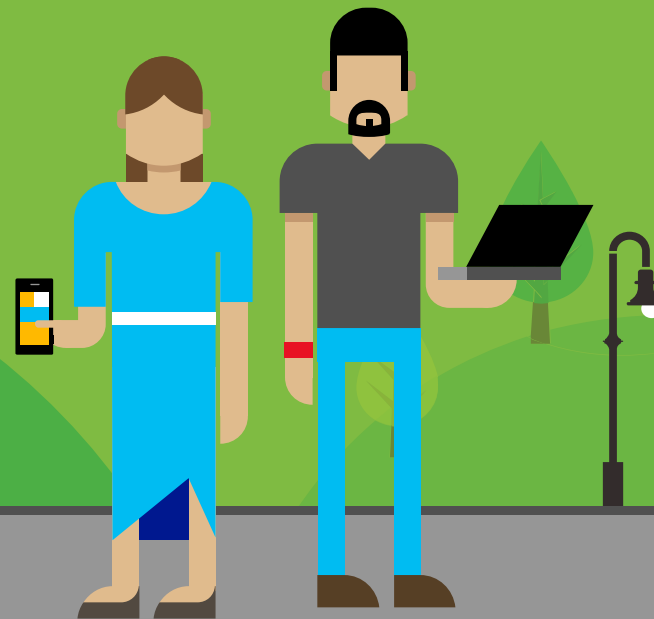
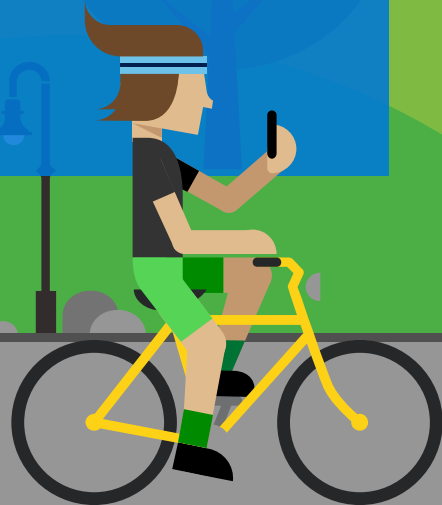
UP Board

1. Install Linux OS
2. Install and configure IQRF Daemon



Internet of Things @ Azure

Jan Pospíšil
janpos@microsoft.com
@pospanet



What is the Internet of Things?

Things



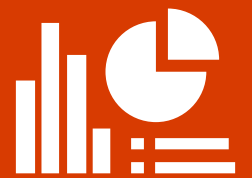
Connectivity



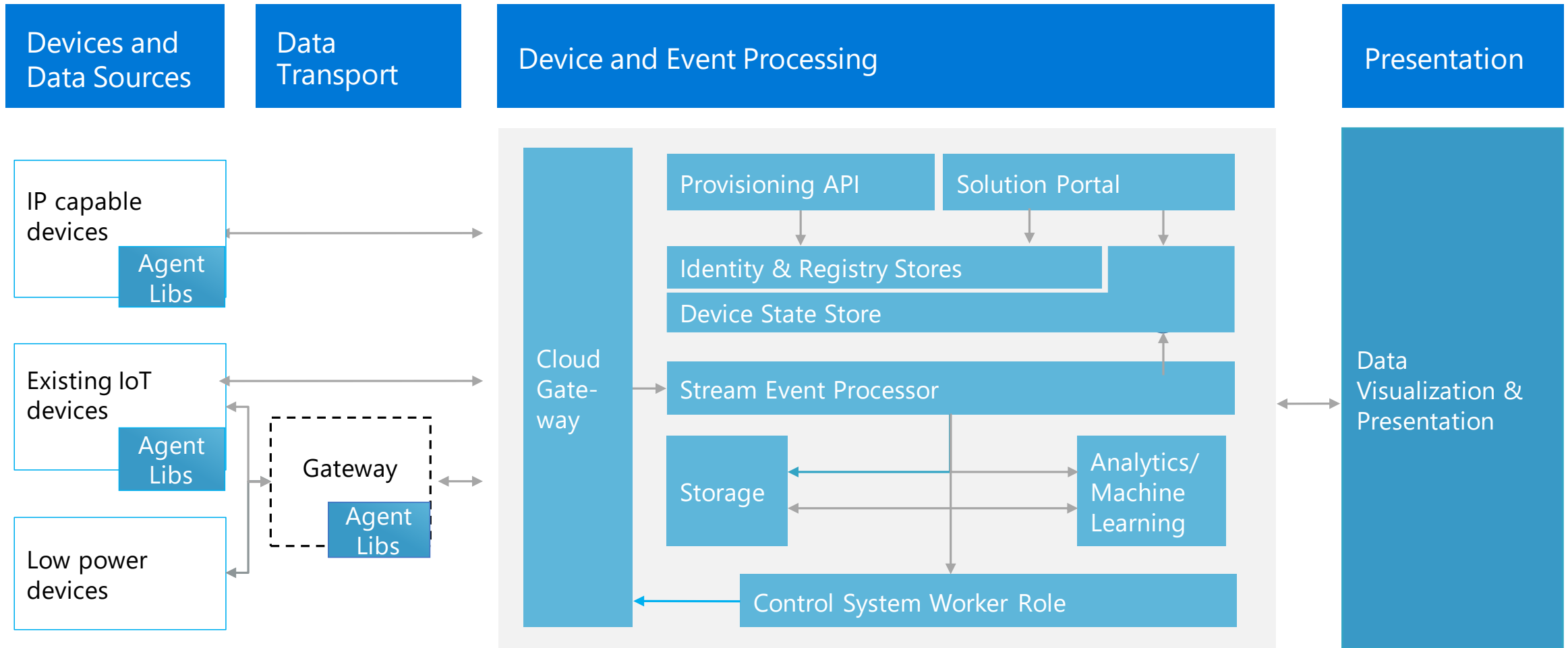
Data

10101
01010
00100

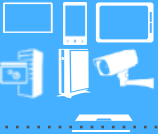




















Analytics

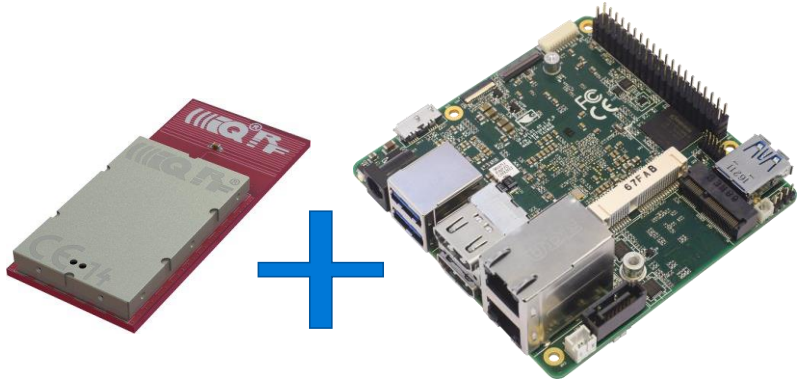


Azure IoT Reference Architecture



IoT data processing

Create	Collect	Store	Analyze	Present
	 Event Hub	 SQL Database	 Machine Learning	 App Service
	 IoT Hub	 Table/Blob Storage	 Stream Analytics	 Power BI
	 Service Bus	 DocumentDB	 HDInsight	 Azure Functions
	 External Data Sources	 3rd party Databases	 Data Factory	 Mobile Services
			 Data Lake	 BizTalk Services



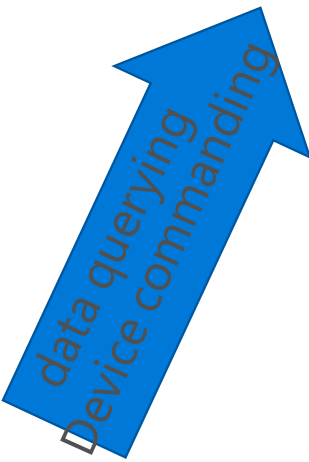
IQRF enabled UP board



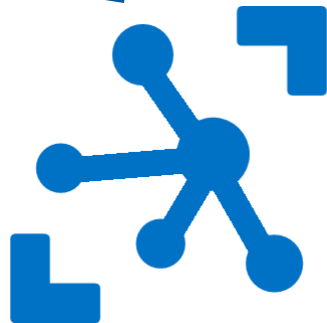
Azure Streaming Analytics



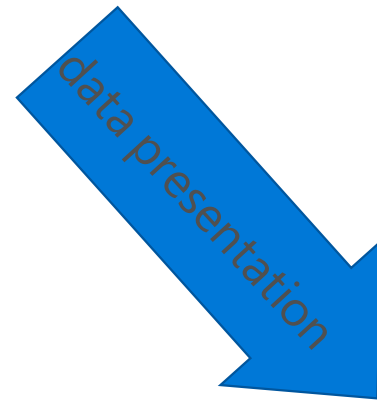
Azure SQL



Azure Functions

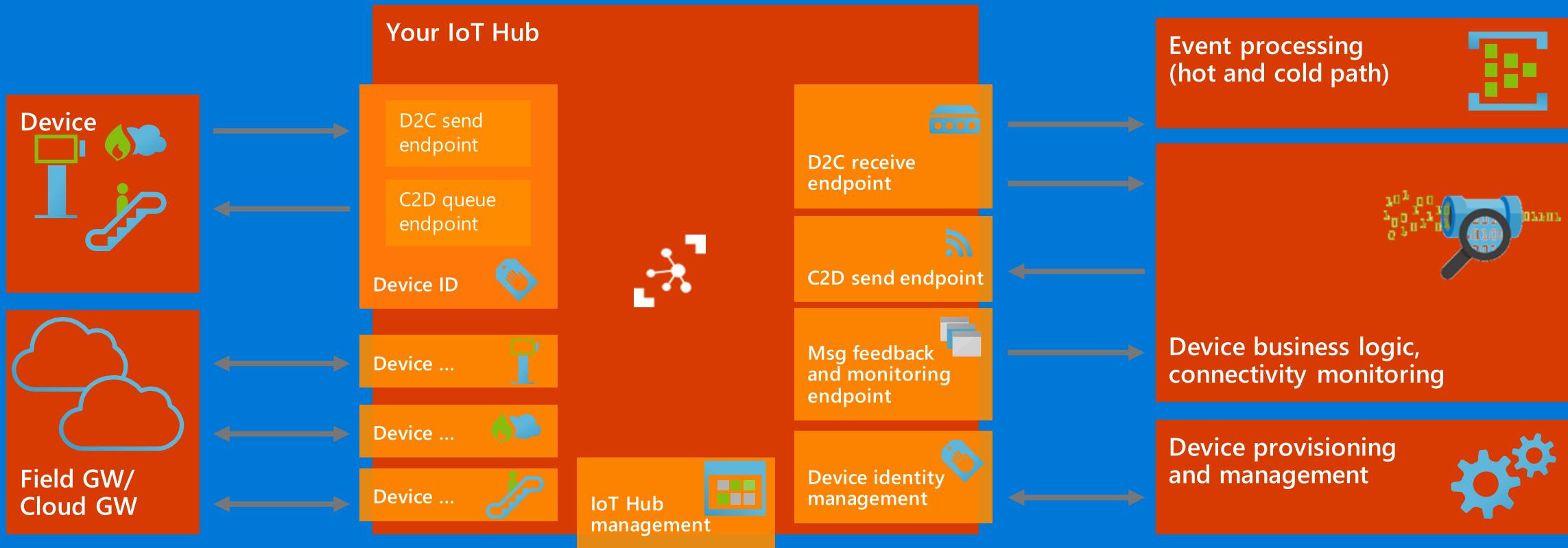


Azure IoT hub

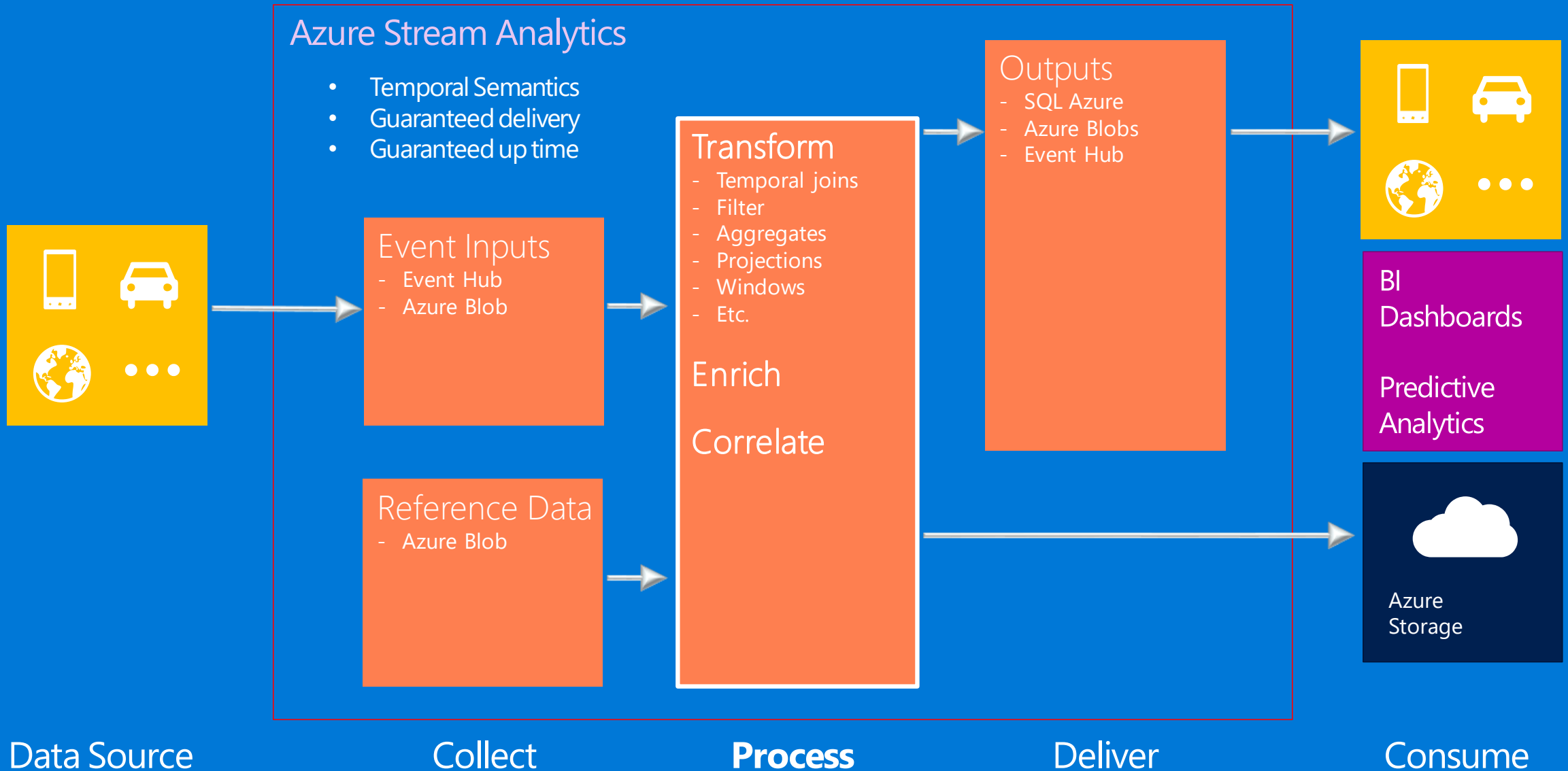


Power BI Embedded

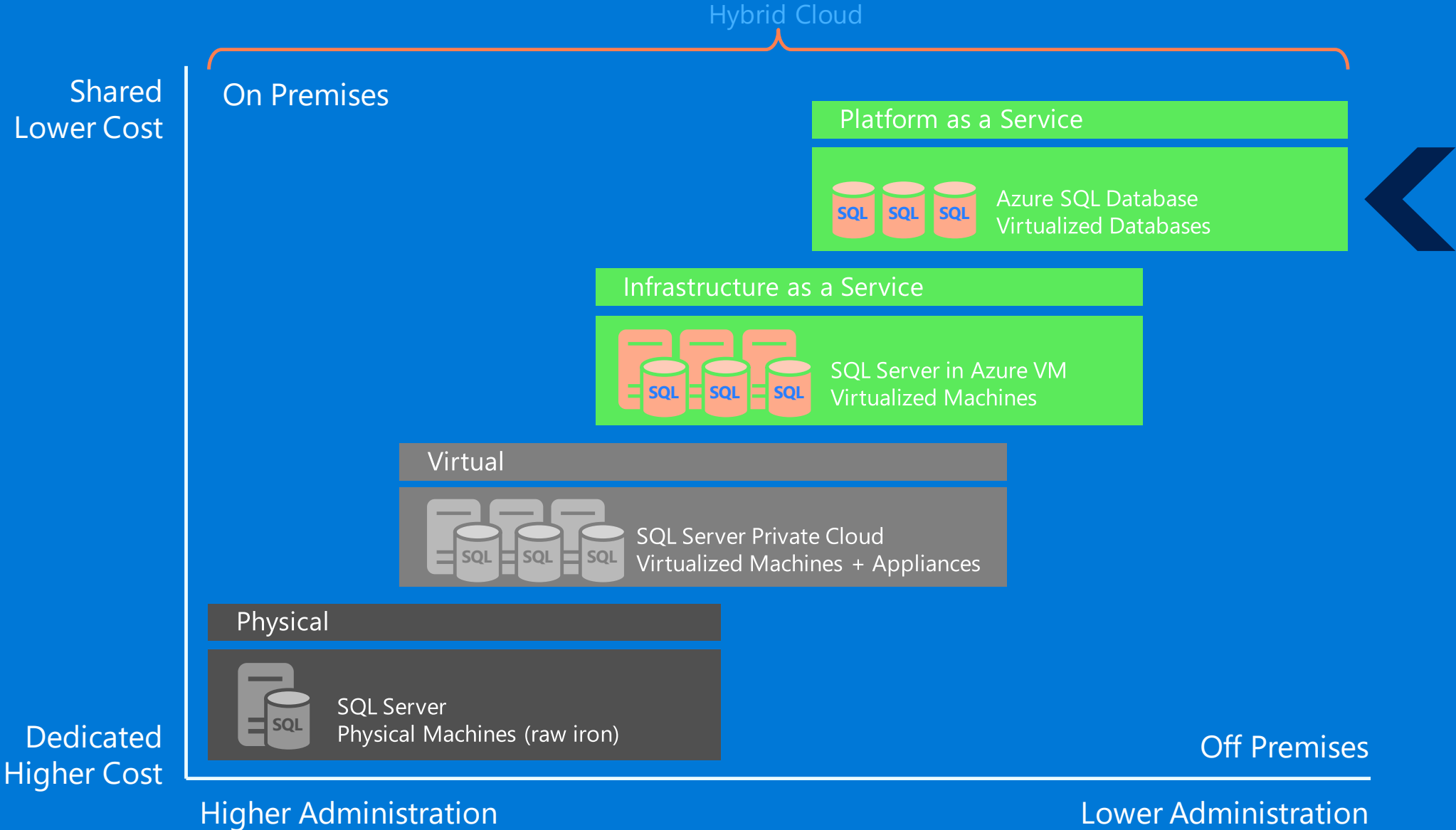
IoT hub



Streaming Analytics

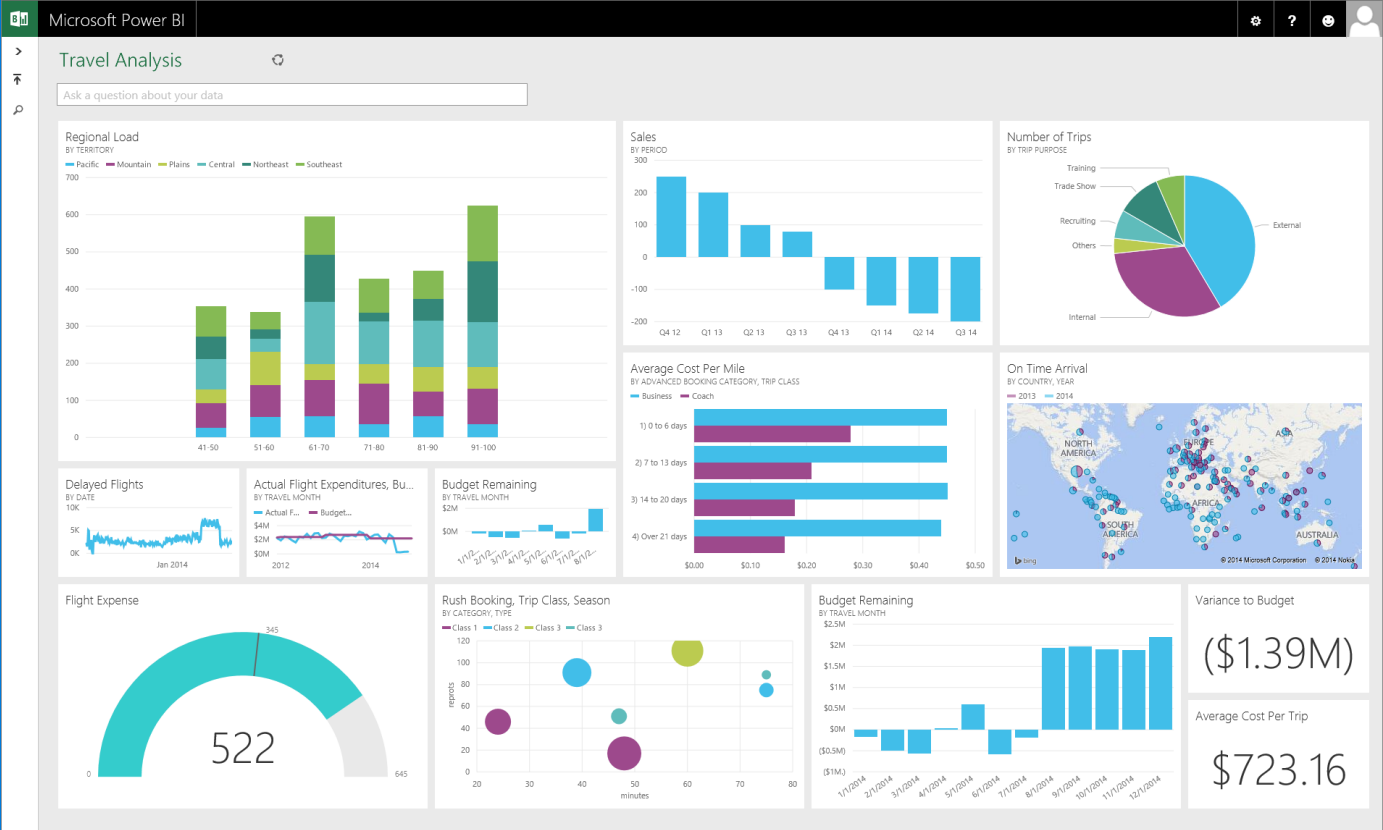


Azure SQL



Power BI

Dashboards



- ➔ Monitor live dashboards for the data that matters most
- ➔ Track your data in real-time with support for streaming data
- ➔ Drill through to underlying reports to explore and discover new insight
- ➔ Pin new visualizations and KPIs to monitor performance

