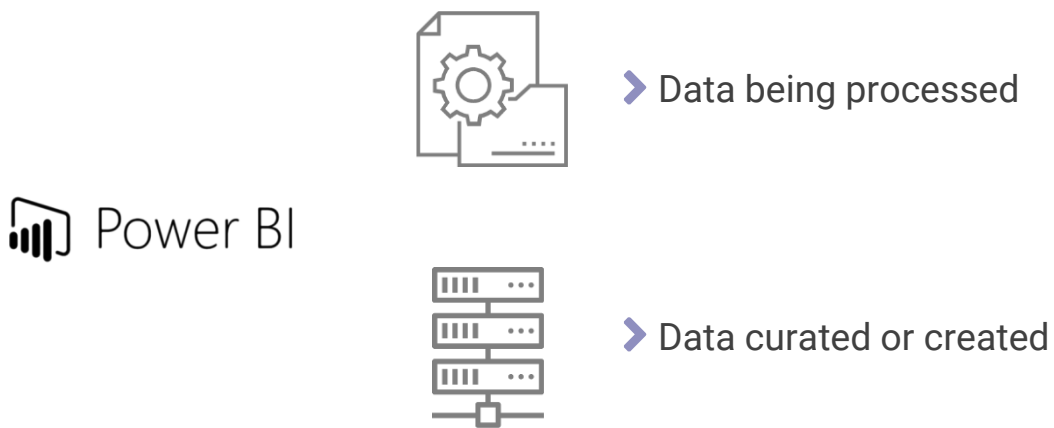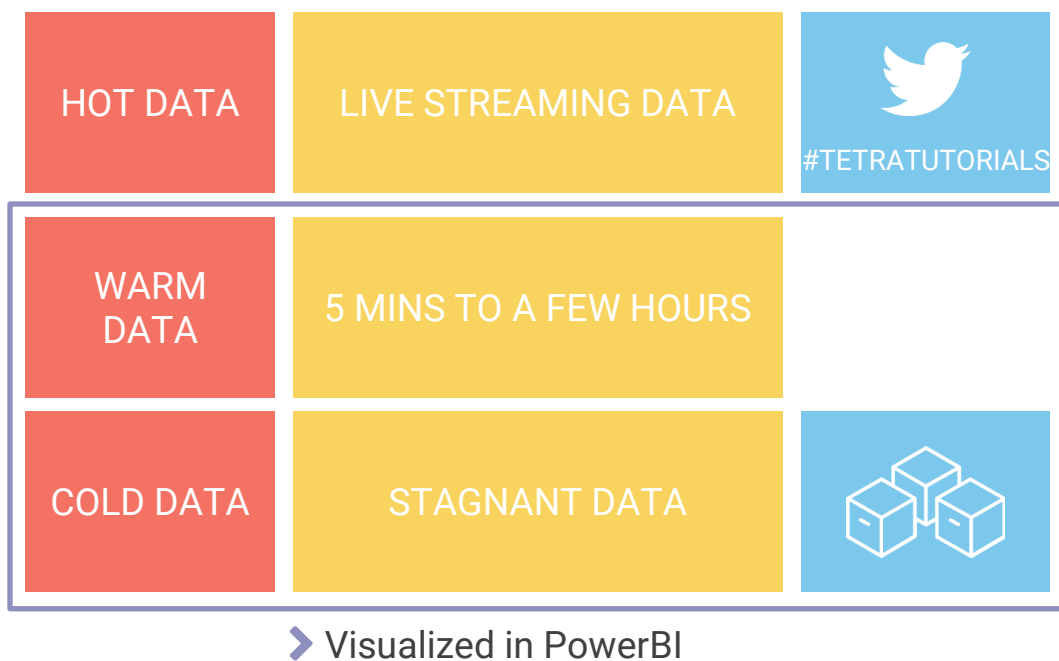# Azure Stream Analytics

Overview

Microsoft PowerBI integrates with Azure Stream Analytics to provide real-time visualization options that enable you to perform a more cohesive analysis of the data.

Power BI

> Data being processed

> Data curated or created

The Three-Tier Data Model

The Three-Tier data model classifies information analyzed based on its age.

HOT DATA	LIVE STREAMING DATA	#TETRATUTORIALS
WARM DATA	5 MINS TO A FEW HOURS	
COLD DATA	STAGNANT DATA	

> Visualized in PowerBI

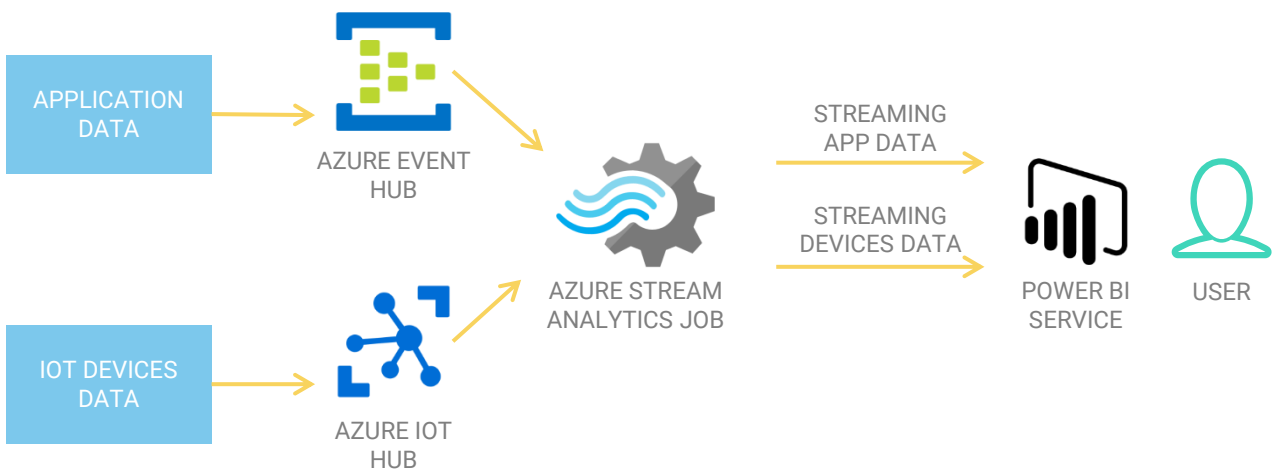**What You Need to Know: Visualizations in PowerBI**

Azure Stream Analytics

Streaming Visualization Architecture

To be visualized in PowerBI, data coming from various inputs should go through an Azure Stream Analytics jo, which correlates the data and sets it up to be displayed in the PowerBI platform.

> Select the inputs you want to use and add them to your ASA job.
> Write efficient queries to capture relevant data and, if needed, correlate it.
> Set up your job's output to PowerBI.

Connecting ASA to Power BI

Create a PowerBI Output in ASA

Associate ASA with PowerBI

Complete Output Details

Save

Update Query

What You Need to Know: Visualizations in PowerBI