Anomaly Detection in IoT Telemetry

Azure IoT Workshop

# Agenda

# Introduction

## Scenario we are going to materialize

Connecting an IoT device to an Azure IoT Hub

Sending telemetry to the IoT Hub

Visualizing telemetry in Azure Times Series Insights

Detecting anomalies in Azure Stream Analytics

Visualizing telemetry and anomalies in Power BI

Processing anomalies in Azure Functions

# Architecture of the IoT Solution

# Hand-on Lab

## Create a resource group

­­Graphical user interface, text, application, email

Description automatically generated

## Create an IoT Hub

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Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

## Create a Consumer Group

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Description automatically generated

## Create an IoT Hub Provisioning Service (DPS)

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Description automatically generated

Graphical user interface, text, application

Description automatically generated

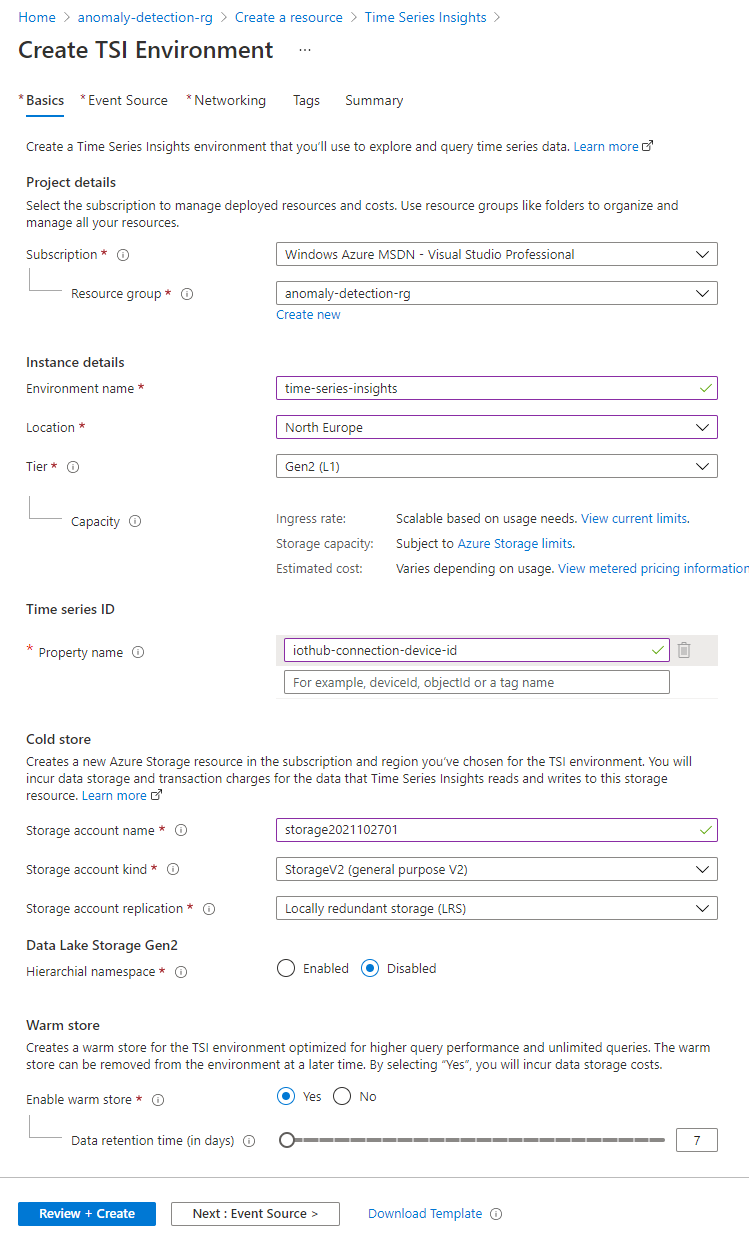
Graphical user interface, text, application, email

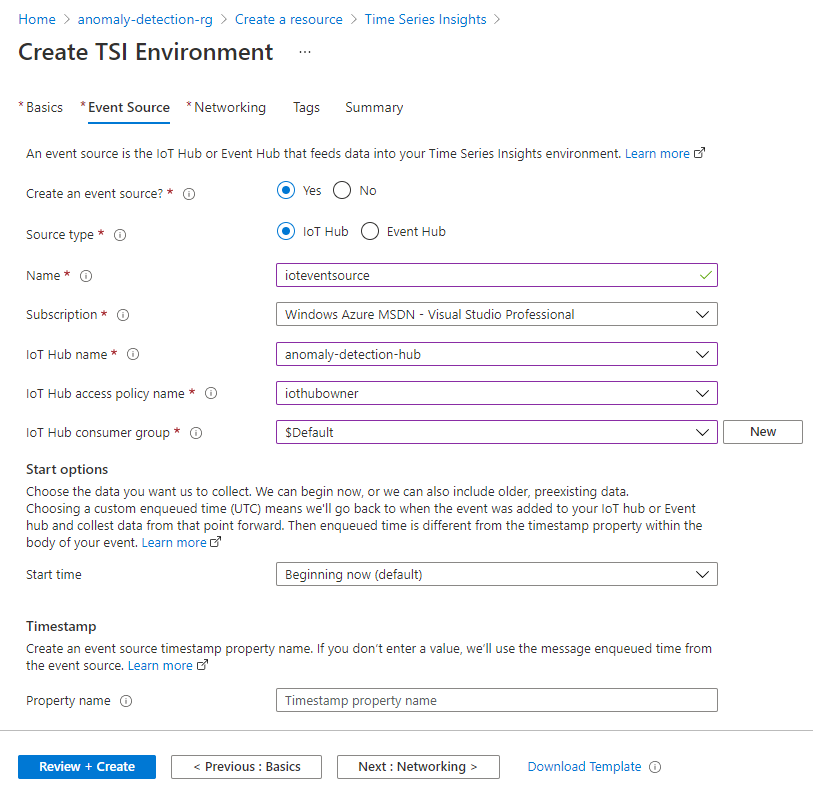
Description automatically generated

Graphical user interface, text, application

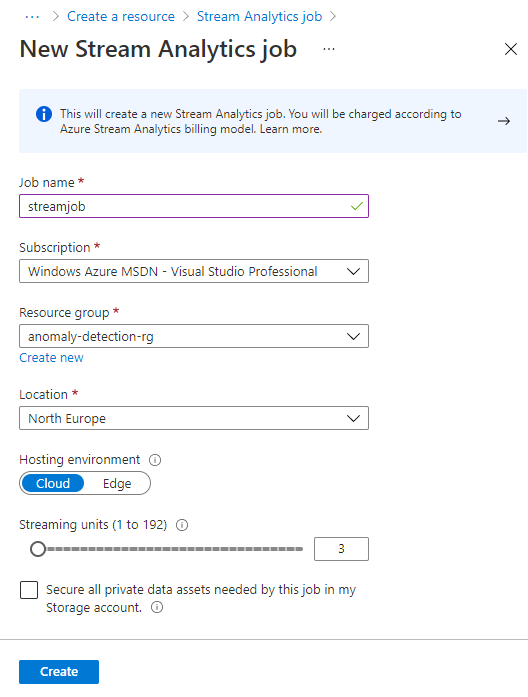
Description automatically generated

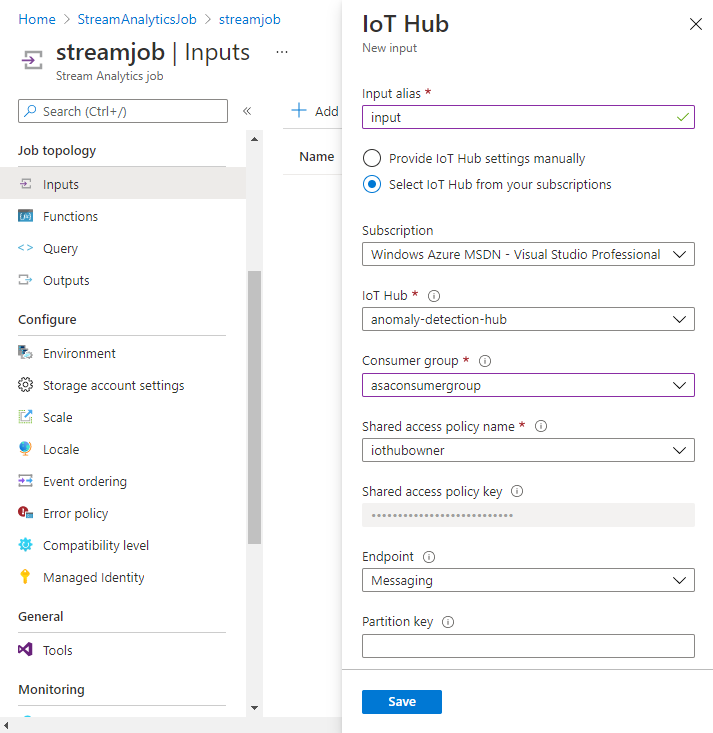
## Create Time Series Insights

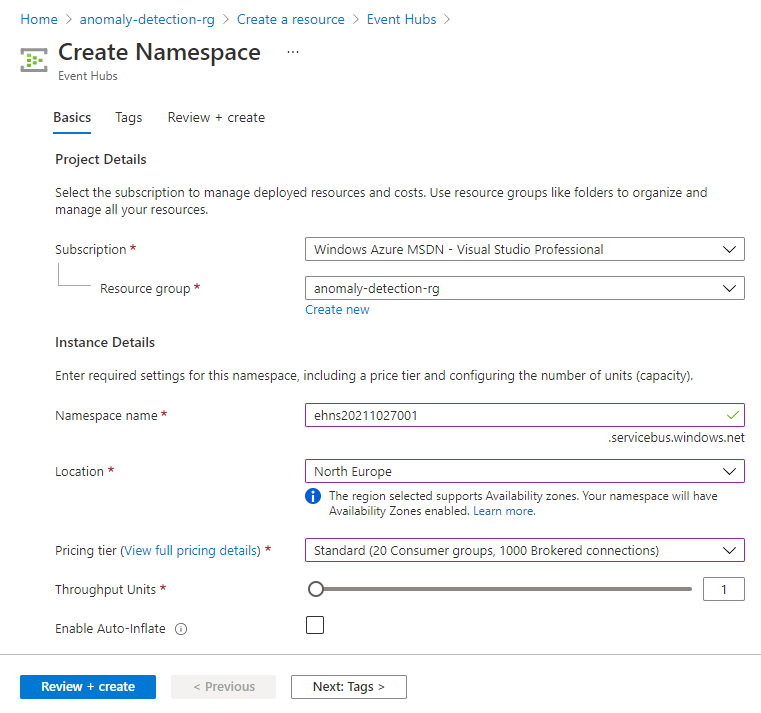


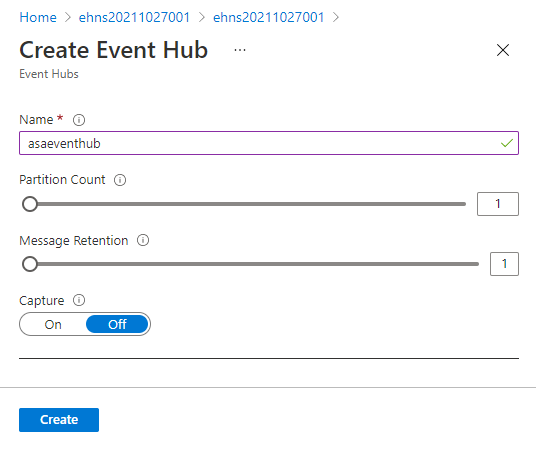


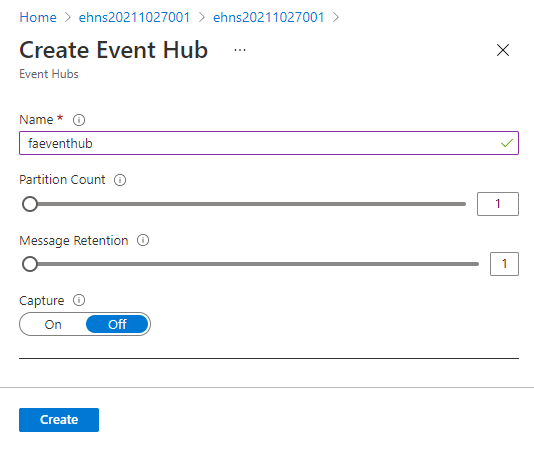
## Create Stream Analytics job

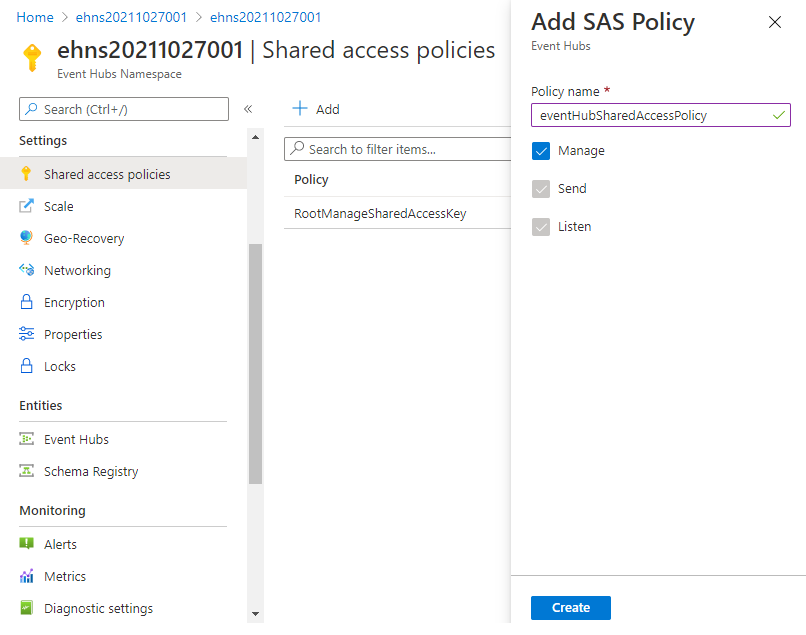












Graphical user interface, application

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