

# Implement solutions that use Azure Event Hub

## Objectives:

At the end of this episode, I will be able to:

Understand what implementing solutions that use Azure Event Hub is and why it is important.

Explain the basic concepts associated with implementing solutions that use Azure Event Hub.

Identify the reasons why an organization needs to implement solutions that use Azure Event Hub.

Define how to implement solutions that use Azure Event Hub.

## External Resources:

## Use this Markdown file:

Send events to and receive events from Azure Event Hubs - .NET (Azure.Messaging.EventHubs).md

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Azure Event Hubs — A big data streaming platform and event ingestion service:

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

Capture events through Azure Event Hubs in Azure Blob Storage or Azure Data Lake Storage:

<https://learn.microsoft.com/en-us/azure/event-hubs/event-hubs-capture-overview>

Scaling with Event Hubs:

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

Authenticate a managed identity with Azure Active Directory to access Event Hubs Resources:

<https://learn.microsoft.com/en-us/azure/event-hubs/authenticate-managed-identity?tabs=latest>

Authenticate an application with Azure Active Directory to access Event Hubs resources:

<https://learn.microsoft.com/en-us/azure/event-hubs/authenticate-application>

Authenticate access to Event Hubs resources using shared access signatures (SAS):

<https://learn.microsoft.com/en-us/azure/event-hubs/authenticate-shared-access-signature>

Azure Event Hubs client library for .NET:

[https://azuresdkdocs.blob.core.windows.net/\\$web/dotnet/Azure.Messaging.EventHubs/5.0.0-preview.5/api/index.html](https://azuresdkdocs.blob.core.windows.net/$web/dotnet/Azure.Messaging.EventHubs/5.0.0-preview.5/api/index.html)

Choose between Azure messaging services - Event Grid, Event Hubs, and Service Bus:

<https://learn.microsoft.com/en-us/azure/event-grid/compare-messaging-services>

[Azure.Messaging.EventHubs/samples](#):

<https://github.com/Azure/azure-sdk-for-net/tree/main/sdk/eventhub/Azure.Messaging.EventHubs/samples#getting-started>