Event Grid Demo

1. New Function App (Event Grid Trigger)

Install-Package Microsoft.Azure.WebJobs.Extensions.Storage (4.0.4)

Make sure the Table comes from WebJobs…and the CloudTable comes from CosmosDB…NOT Azure.Storage…

public static class Function

{

[FunctionName("Function")]

public static void Run([EventGridTrigger]EventGridEvent eventGridEvent,

[Table("OnPremEvents")] CloudTable JobTable,

ILogger log)

{

var Msg = JsonConvert.DeserializeObject<EventMessage>(eventGridEvent.Data as string);

JobTable.CreateIfNotExistsAsync().GetAwaiter().GetResult();

var entity = new JobInfo()

{

JobCommand = Msg.JobCommand,

JobData = Msg.JobData,

PartitionKey = Msg.JobCommand,

RowKey = Guid.NewGuid().ToString()

};

TableOperation insertJobQuery = TableOperation.Insert(entity);

JobTable.ExecuteAsync(insertJobQuery).GetAwaiter().GetResult();

}

}

public class EventMessage

{

public string JobCommand { get; set; }

public string JobData { get; set; }

}

public class JobInfo : TableEntity

{

public string JobCommand { get; set; }

public string JobData { get; set; }

}

1. Deploy the function to Azure
2. Go to Streaming Log and enable Application Insights
3. Open Powershell

az provider register --namespace Microsoft.EventGrid

az provider show --namespace Microsoft.EventGrid --query "registrationState"

az eventgrid topic create --name onpremevent -l eastus -g Centriq

## Same solution

1. Console App

Install-package Azure.messaging.eventgrid

class Program

{

static string endpoint = "{endpoint from above powershell results}";

static string key = "{Key from above powershell results}";

static void Main(string[] args)

{

EventGridPublisherClient client

= new EventGridPublisherClient(new Uri(endpoint), new AzureKeyCredential(key));

var msg = new { JobCommand = "Update Region", JobData = "West"};

var msgText = JsonConvert.SerializeObject(msg);

var evt = new EventGridEvent(Guid.NewGuid().ToString(), "JobQueue", "1.0", msgText); ;

client.SendEvent(evt);

}

}

1. Go into Azure and map onpremevent to point to Function1 by adding a subscription.
2. Run the console app without debug.