

Developing Solutions for Power BI Embedded



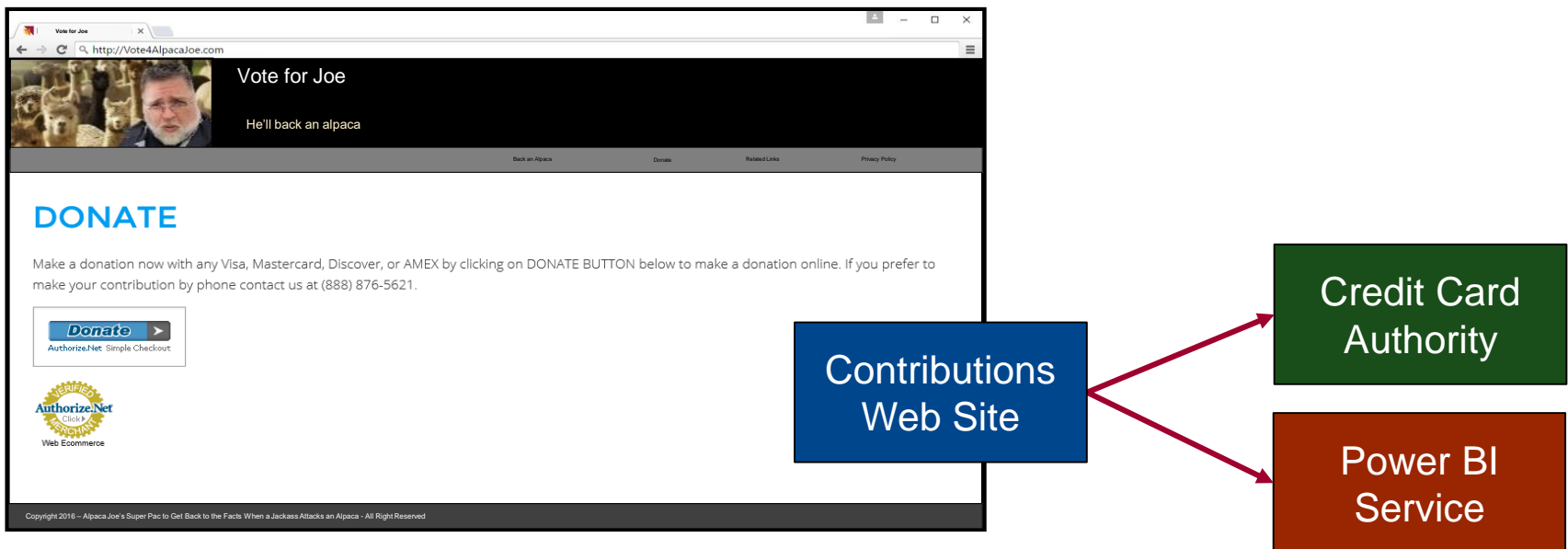
Agenda

- Introduction to Streaming Datasets
- Creating a Streaming Dataset using PubNub
- Creating Streaming Datasets using Code
- Azure Streaming Analytics
- Building a Real-time Dashboard



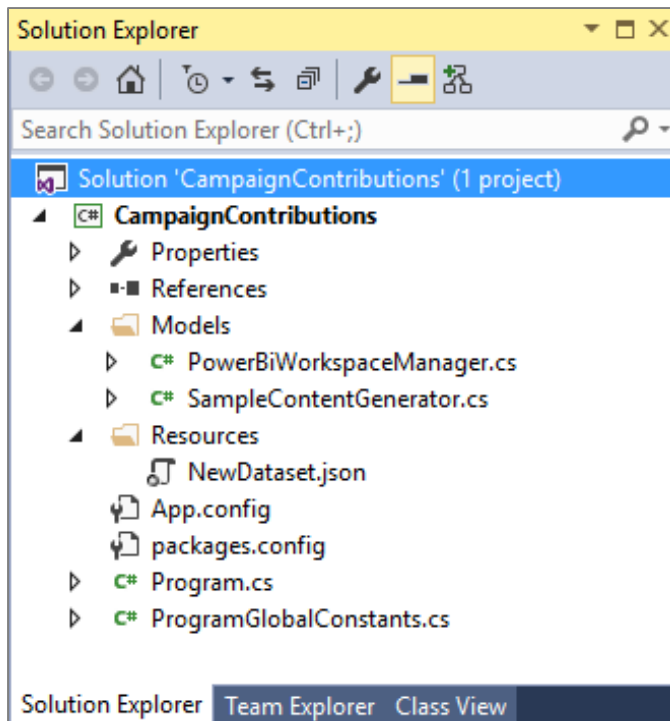
The Scenario Being Simulated

- Contribution website accepts contributions from donors
 - Website calls web service to process credit card transaction
 - Website calls to Power BI REST API to create & update dataset



CampaignContributions Demo App

- Console app similar to PowerBiRestApiDemo
 - Uses Newtonsoft.Json package to convert JSON data
 - Uses Azure ADAL.NET to get access tokens from Azure AD



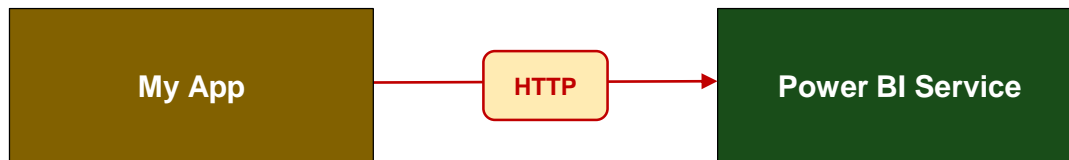
Contribution Row Data

ContributionID	Contributor	City	Zipcode	Gender	Time	Amount
1	Travis Solomon	Lutz, FL	33559	Female	12:03:00	50.00
2	Rudolph Harris	Tarpon Springs, FL	34688	Female	12:03:00	100.00
3	Josh Franco	Davis Island, FL	33606	Male	12:03:00	250.00
4	Tim Duffy	Largo, FL	33774	Female	12:03:00	200.00
5	Napoleon Frye	Lutz, FL	33558	Male	12:03:30	50.00
6	Rodrigo Hart	Largo, FL	33774	Female	12:03:30	100.00
7	Will Levine	Tarpon Springs, FL	34688	Female	12:03:30	75.00
8	Eddie McCullough	Lutz, FL	33558	Male	12:03:30	100.00
9	Kirk Herrera	Lutz, FL	33558	Male	12:03:30	150.00
10	Antonia Bridges	Lutz, FL	33558	Female	12:03:30	100.00
11	Preston Cote	Davis Island, FL	33606	Female	12:03:30	1,000.00
12	Lonnie McCarty	Largo, FL	33774	Female	12:03:30	50.00
13	Humberto Parsons	Lutz, FL	33558	Female	12:03:30	50.00
14	Abel Perkins	Odessa, FL	33556	Female	12:03:30	1,000.00
15	Ernesto McLaughlin	Odessa, FL	33556	Female	12:03:30	150.00
16	Elbert Kinney	Macdill Air Force Base, Port Tampa, FL	33621	Male	12:03:30	50.00
17	Coleman Petersen	Lutz, FL	33558	Male	12:03:30	125.00
18	Nicky Roberson	Odessa, FL	33556	Female	12:03:30	100.00
19	Fritz Parrish	Lutz, FL	33558	Female	12:03:30	50.00
20	Freddie Sparks	Largo, FL	33774	Male	12:03:30	50.00



Scaling a Real-time Dashboard

- Low velocity data scenario



- High velocity data scenario

