Company

Bhuvanlabs is an IT Consulting company.

Application

- The company has developed a series of applications and services.
- The Application and services are developed in ASP.Net Core.
- An application called "BhuvanlabsPolicyService" is deployed to Azure Web App Service.
- The "BhuvanlabsPolicyService" application needs to react to events from Azure Event Grid and perform required actions
- The "BhuvanlabsPolicyService" application must include the Event Grid Event ID field in all Application Insights telemetry.
- The "BhuvanlabsPolicyService" application must process all sign-in and sign-out events. The sign-out process must be processed as soon as possible.
- All applications must write logs to BLOB storage and logs must remain there for 15 days.
- A shared library named BhuvanlabsLib contains all common functionality for the ASP.NET Core web services and application.
- The company has an anomaly detection service that analyses all log information for anomalies.
- The anomaly detection service is implemented as a Machine Learning Model.
- If an anomaly is detected, an Azure Function that emails administrators is called by using an HTTP WebHook.

Code snippets for various code modules are displayed below

EventGridController.cs