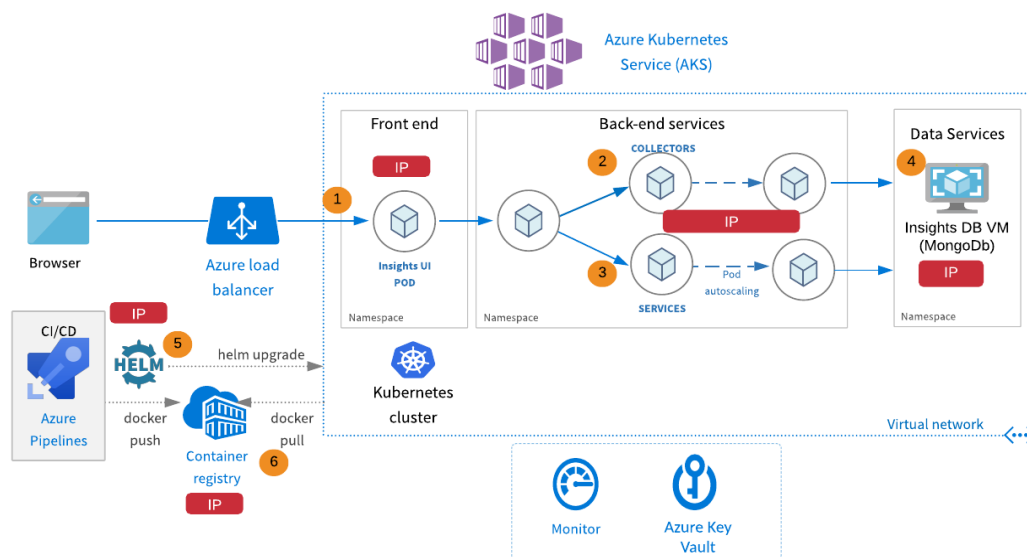# Solution Description

BrillioOne.ai One Insights is our Process & Engineering Insights Platform which helps our customers meet their time to market needs by Predictable and high quality product delivery consistently. BrillioOne Insights integrates a set of best in class engineering tools to automate development across the entire application life cycle.
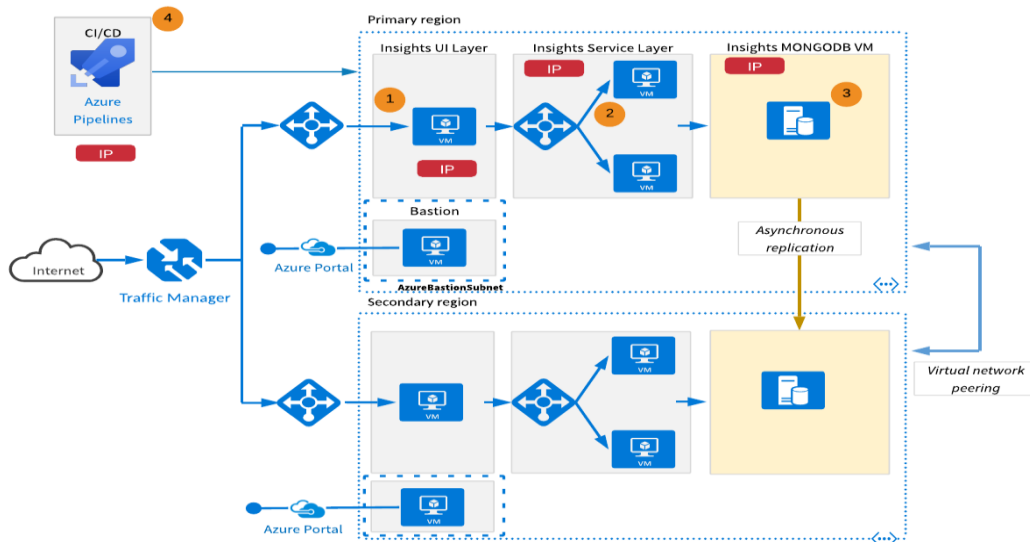
The solution can be deployed has two flavors from a deployment point of view.

1. Containerized reference architecture using Various Azure services.
2. WebApp based reference architecture using Various Azure services.

Technical Architecture: Containers

Technical Architecture: multi-tier

The Solution has multiple components, details of which are provided below

1. **UI Layer**

   UI Layer will showcase all the insights and dashboards. This will have the configuration section to define the user roles to access BrillioOne Insights

2. **Service Layer**

   The service layer exposes the various REST APIs that UI layer can interact with. The advantage of this approach is multiple front-end system can make a call to the service without modifying the business logic. The service layer interacts with the data layer to fetch the data from Mongo DB. The data layer will implement the logic to retrieve the data from MongoDB. The Service layer should not implement anything related to database.

3. **Collector**

   A collector is a scheduled service will fetch data from tools and populate them into Mongo DB.

4. **Insights Data Collection scripts**
   This will have the scripts to have mongo db collections and configured in BrillioOne insights

5. **Azure DevOps pipeline scripts for BrillioOne Insights setup**
   This will have the scripts to automate the deployment of BrillioOne Insights in containerized and non-containerized systems.

6. **Containerized Images**
   As mentioned BrillioOne insights comes in two flavours, containerized and non-containerized, the images will reside in the container registry which will be integrated with the Azure DevOps pipeline.