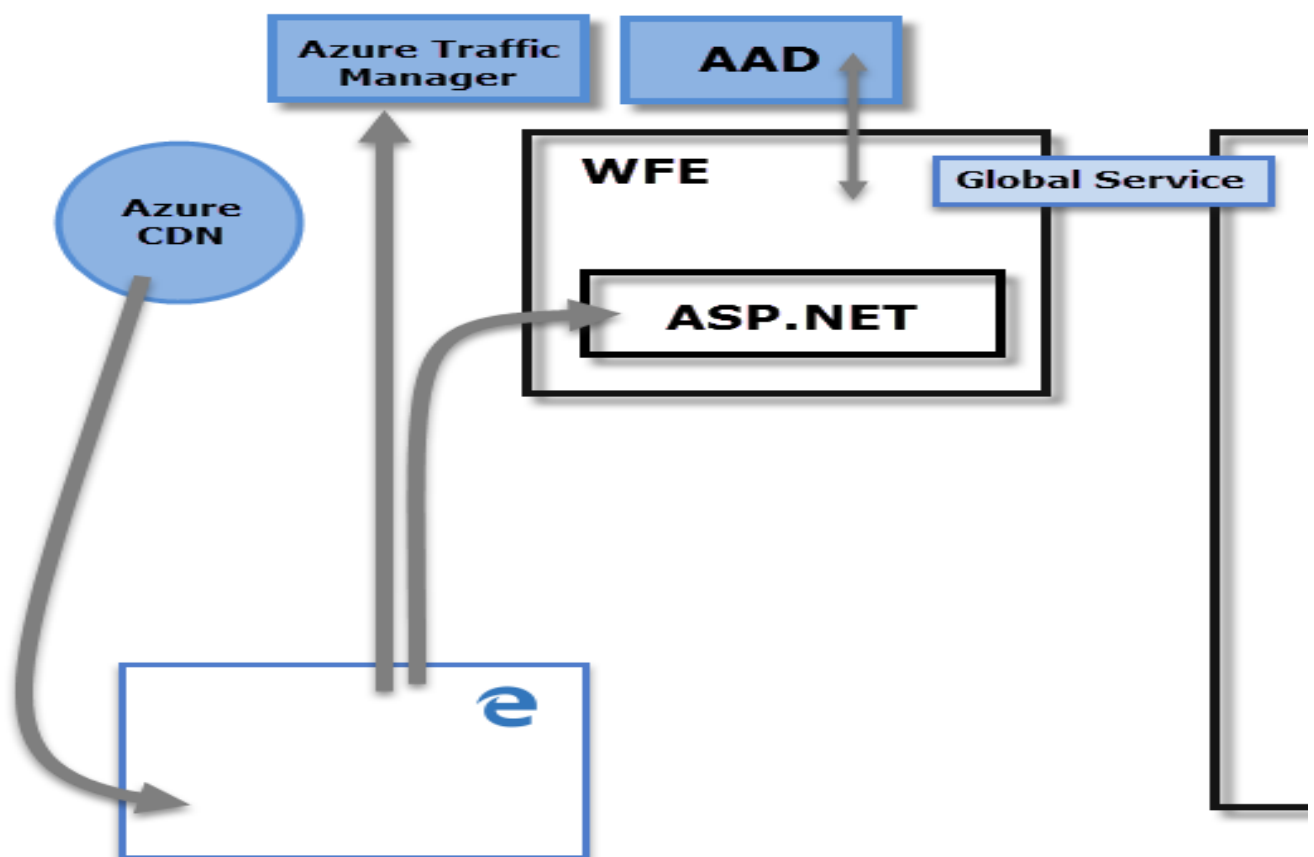

Power BI Assignment 2

1. Explain the advantages of Natural Queries in PowerBi with an example?

- a) Benefit #1 – Guided NLQ is a unique self-service BI experience
- b) Benefit #2 – Every question is understood by Guided NLQ
- c) Benefit #3 – Guided NLQ makes it simple to ask complex questions
- d) Benefit #4 – Guided NLQ is integrated throughout Yellowfin
- e) Benefit #5 – It's easy to embed Guided NLQ into your applications

2. Explain Web Front End(WFE) cluster from Power BI Service Architecture?

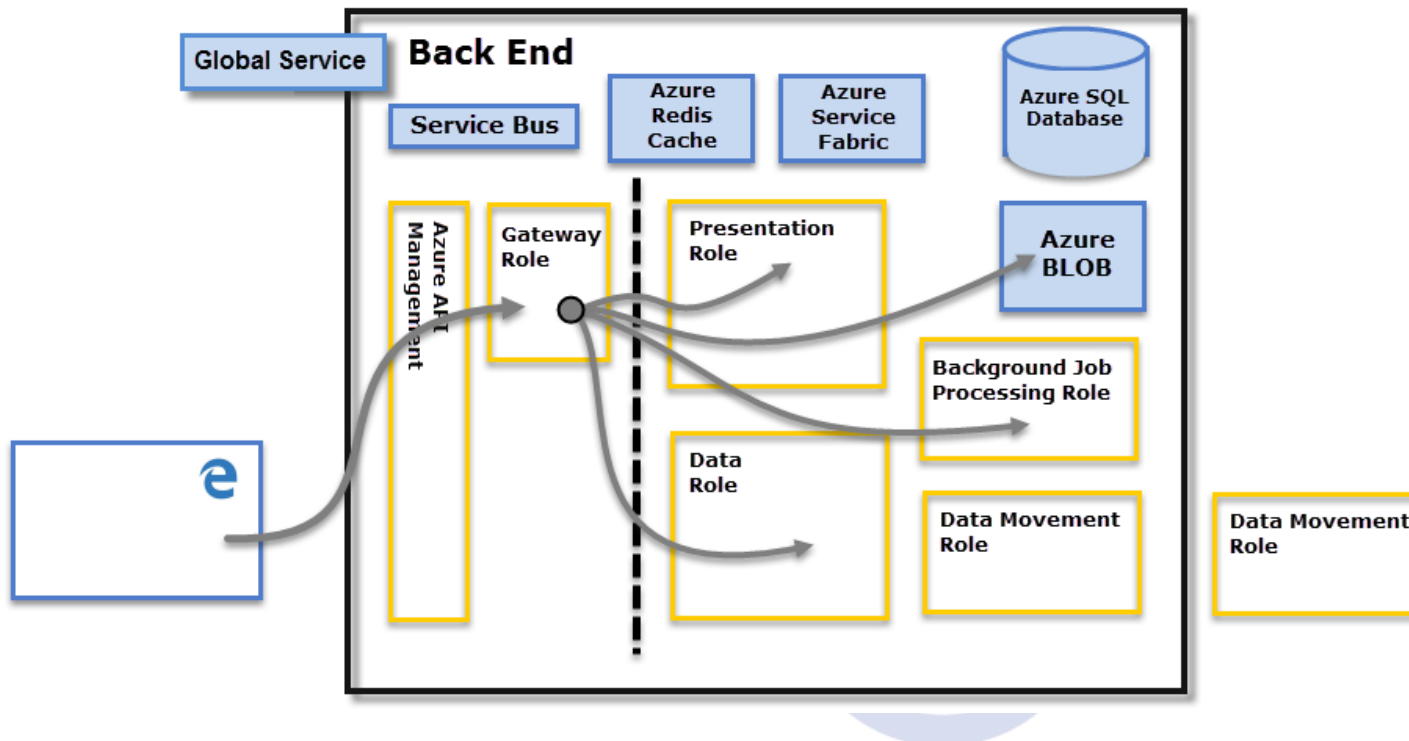
The WFE cluster manages the initial connection and authentication process for Power BI, using AAD to authenticate clients and provide tokens for subsequent client connections to the Power BI service. Power BI also uses the Azure Traffic Manager (ATM) to direct user traffic to the nearest datacenter, determined by the DNS record of the client attempting to connect, for the authentication process and to download static content and files. Power BI uses the Azure Content Delivery Network (CDN) to efficiently distribute the necessary static content and files to users based on geographical locale.



3. Explain Back End cluster from Power BI Service Architecture?

The **Back-End** cluster is how authenticated clients interact with the Power BI service. The **Back-End** cluster manages visualizations, user dashboards, datasets, reports, data storage, data connections, data refresh, and other aspects of interacting with the Power BI service.

The **Gateway Role** acts as a gateway between user requests and the Power BI service. Users do not interact directly with any roles other than the **Gateway Role**. **Azure API Management** will eventually handle the **Gateway Role**.



4. What ASP.NET component does in Power BI Service Architecture?

5. Compare Microsoft Excel and PowerBi Desktop on the following features:

- Data import
- Data transformation
- Modeling
- Reporting
- Server Deployment
- Convert Models
- Cost

6. List 20 data sources supported by Power Bi desktop.

- * Excel
- * Text/CSV
- * XML

-
- * JSON
 - * Oracle Database
 - * IBM DB2 Database
 - * MySQL Database
 - * PostgreSQL Database
 - * Sybase Database
 - * Teradata Database
 - * SAP HANA Database
 - * SAP Business Warehouse server
 - * Amazon Redshift
 - * Impala
 - * Google BigQuery (Beta)
 - * Azure SQL Database
 - * Salesforce Reports
 - * Google Analytics
 - * Facebook
 - * GitHub

