Azure Active Directory

Production Subscription

WAF

Front Door

App Service
Private EndPoint

Web App
PrivateLink Subnet

App Service Plan

Azure Web App

App Registration

Cosmos DB
Private EndPoint

Mongo DB PrivateLink
Subnet

Cosmos DB API
for MongoDB

Diagnostic logs and Metric Data

Diagnostic logs and Metric Data

SFTP Blob Storage

Application Insight

Log Analytics

Azure Monitor

External Users

Test/Acceptance Subscription

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Diagnostic logs and Metric Data

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Application Insight

Log Analytics

Azure Monitor

1. External users browse website from Azure Front Door.

2. Front door will connect to private end point configured for Azure Web App.

3. Connection will pass to Azure Web App from Front Door via private endpoint.

4. Azure web app connects to Cosmos DB using private endpoint

5. Azure Web app connect passed from Cosmos DB private endpoint to database

6. SFTP blob storage accessible from Mongo DB VM.

7. External users/Finance Team access PDF documents stored on Blob storage through SFTP.

8. Azure web app monitored through Application insight.

9. Mongo DB and other infra resource can be monitored through Log analytics and Azure monitor.

10. Azure active directory can be used for authentication purpose.

Red Arrow represents communication on public IP from external users

Green Arrow represents communication over private IP. All the inetrnal communication in the design is over private IP.