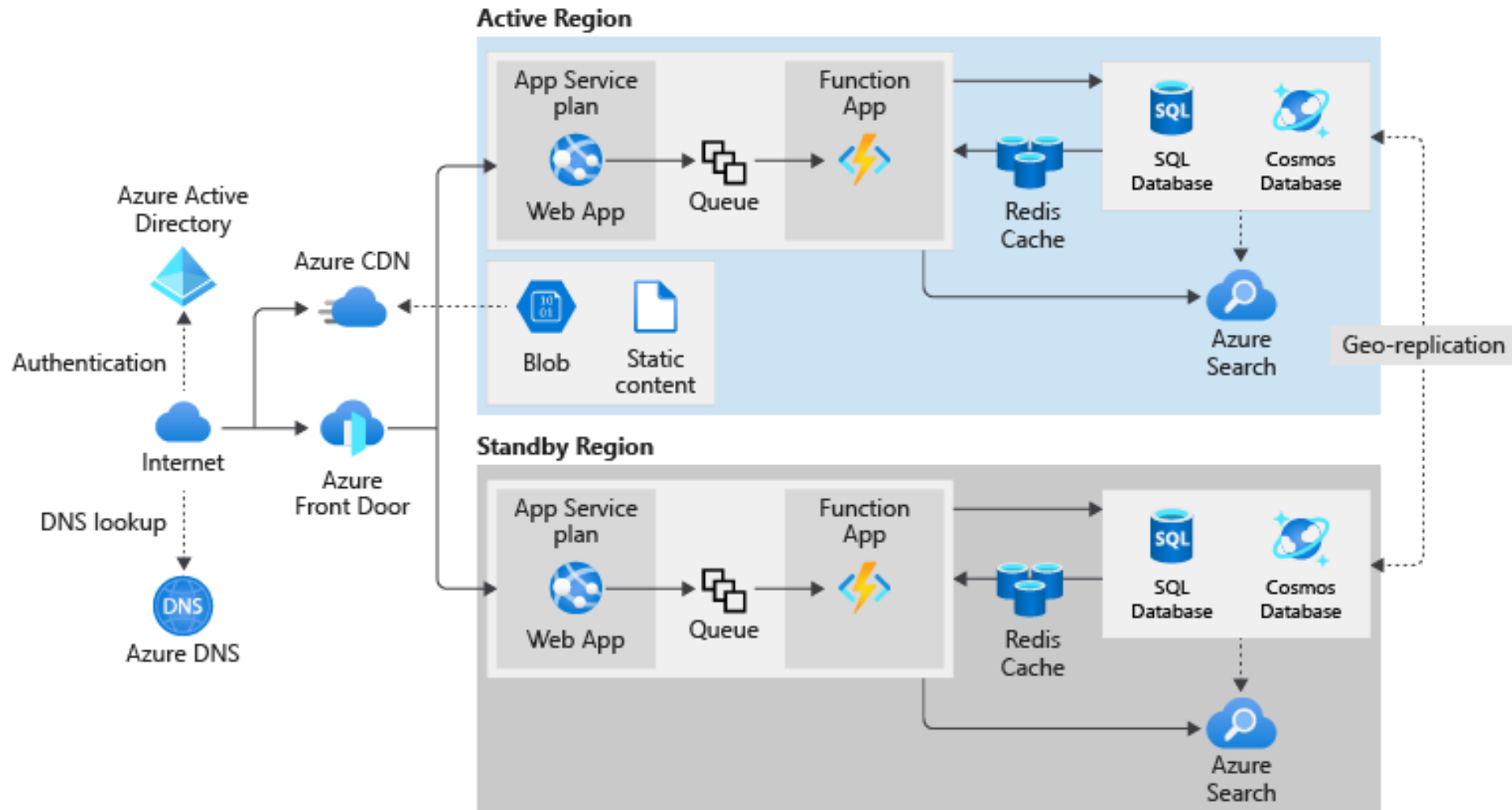Network

Storage

Serverless/Compute

Converting Reg. to Glo. Services – HA scenario

# Global, regional, and configurable components

| Component | Support for multiple regions | Comments |
|---|---|---|
| Azure DNS | Global | No changes are necessary. |
| Application Gateway | Regional | Each instance of Application Gateway is located in a single region. |
| Azure CDN | Global | No changes are necessary, and content is cached globally by default. |
| Azure Active Directory | Global | No changes are necessary. |
| Azure App Service | Regional | Each instance of the app is located in a single region. |
| Azure Function Apps | Regional | Each instance of the function app is located in a single region. |
| Azure Storage Queues | Configurable | You can choose to replicate a Storage Account to multiple regions. |
| Azure Redis Cache | Regional | Each instance of the cache is located in a single region. |
| Azure Blob Storage | Configurable | You can choose to replicate a Storage Account to multiple regions. |
| Azure Search | Regional | Each instance of the search service is located in a single region. |
| Azure SQL Database | Configurable | You can use geo-replication to synchronize data to multiple regions. |
| Azure Cosmos DB | Configurable | You can use geo-replication to synchronize data to multiple regions. |

# Proposed Architecture

# Reference Link

https://docs.microsoft.com/en-us/learn/modules/design-a-geographically-distributed-application/1-introduction