Azure Architecture Blueprint

Cloud-native deployment model for generated Spring Boot microservices using native Azure services.

UPSTREAM INTEGRATIONS

Azure Blob Storage
File Polling & Drops

API Management
REST & SOAP APIs

Azure Service Bus
Inbound Message Queues

Internet / Edge

Microsoft Azure / VNet

Public Subnets (Internet-facing)

Application Gateway
Layer 7 LB & WAF

NAT Gateway
Outbound Internet

Private Subnets (Isolated Compute)

Event Grid
Event Routing

Azure Functions
Serverless Handlers

Azure Kubernetes Service (AKS)
Managed Kubernetes Cluster

SUPPORTING AZURE SERVICES

Oracle Database@Azure
Managed Oracle Workloads

Azure SQL Database
Relational Data Services

Azure Cosmos DB
NoSQL Data Store

Azure Key Vault
Secure API Credentials

Monitor & App Insights
Logs, Metrics & Tracing

Microsoft Entra ID
Auth & Access Control (Azure AD)

NETWORK LAYERS

Public Subnets - Internet-facing (App GW, NAT Gateway)

Private Subnets - Isolated compute & data resources

DOWNSTREAM INTEGRATIONS

Azure Blob Storage
Outputs & Reports

API Management
External API Calls

Azure Service Bus
Outbound Events