

1. SOLUTION/NETWORK ARCHITECTURE

1.1 SOLUTION ARCHITECHTURE

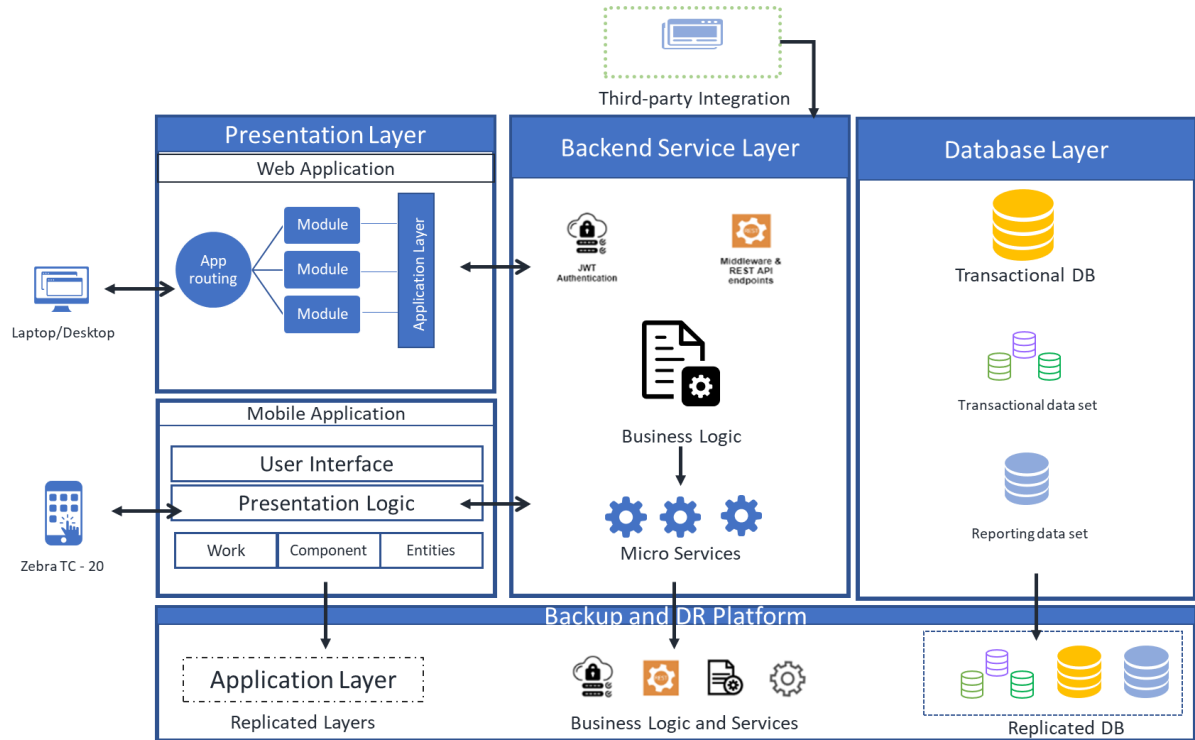


Figure: Solution Architecture

1.2 TECHNOLOGY ENVIRONMENT

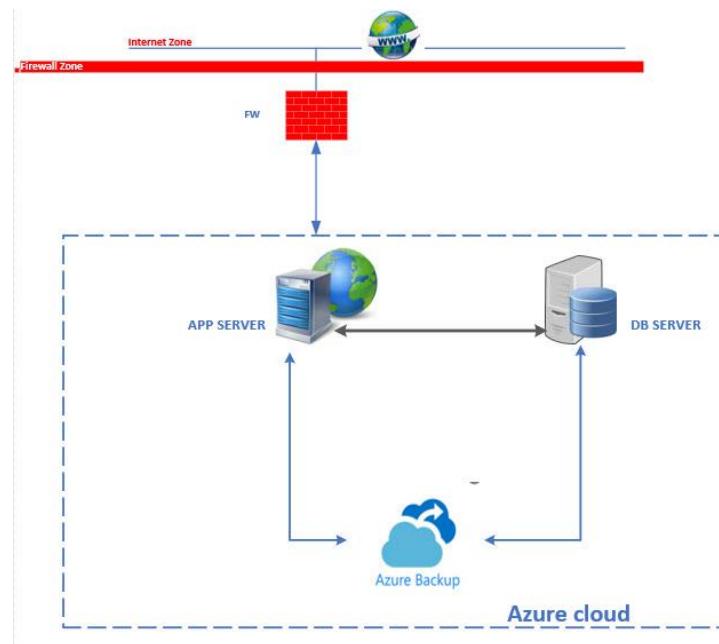
Before deployment, System Administrator or respective concern needs to prepare the Servers as per Network Architecture. Below environments need to be created and installed to run the system.

Particulars	Details
OS Platform	CentOS 8
Database	MySQL (Latest Version)
Web Server	Apache
Front-End Language	React JS
Backend Language	Node JS

Note:

Since we are in analysis stage, we will also explore some other Open-source platforms for this solution.

1.3 NETWORK ARCHITECTURE



1.4 SERVER SPECIFICATION

Apsis is under the Microsoft Cloud Solutions Provider Program aka CSP. As a Cloud Solution Provider partner, we can create and deliver differentiated offers to customers, selling the Microsoft cloud portfolio and third-party solutions from the Microsoft commercial marketplace alongside their own value-added solutions and services. We are enabled to manage the entire customer engagement lifecycle and establish their credibility with customers as trusted advisors.

Microsoft Azure Estimate			
Service type	Custom name	Region	Description
Virtual Machines	APP	Southeast Asia	1 D8s v4 (8 vCPUs, 32 GB RAM) (1 year reserved), Windows (AHB), OS Only; 1 managed disk – E10, 10,000 transaction units; Inter Region transfer type, 5 GB outbound data transfer from Southeast Asia to East Asia
Storage Accounts	DATA DISK	Southeast Asia	Managed Disks, Standard SSD, LRS Redundancy, E15 Disk Type 1 Disks; Pay as you go
Virtual Machines	DB	Southeast Asia	1 E8s v4 (8 vCPUs, 64 GB RAM) (1 year reserved), Windows (AHB), OS Only; 1 managed disk – E10, 1,000 transaction units; Inter Region transfer type, 5 GB outbound data transfer from Southeast Asia to East Asia
Storage Accounts	DATA DISK	Southeast Asia	Managed Disks, Standard SSD, LRS Redundancy, E15 Disk Type 1 Disks; Pay as you go
Azure Backup		East Asia	Azure VMs, 2 Instance(s) x 500 GB, GRS Redundancy, Moderate Average Daily Churn, 30 GB Average monthly snapshot usage data