# System Service Prioritization Document

This document outlines the priority levels and descriptions for all services within the system. Services are categorized into Application Services, Database Services, and Infrastructure Services.  
  
Priority levels determine the order of restoration and monitoring focus:  
- Priority 1 – Critical services (must always be available)  
- Priority 2 – Important but non-critical services  
- Priority 3 – Low-impact services

## Application Services

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| No | Service Name | Priority | Description |
| 1 | Auth Service | 1 | Handles authentication and authorization for all users. |
| 2 | API Service | 1 | Acts as the gateway for frontend and external API requests. |
| 3 | BMS Service | 1 | Core Business Management System responsible for main business logic. |
| 4 | PGS Service | 1 | Payment Gateway Service that processes financial transactions securely. |
| 5 | FDS Service | 1 | Fraud Detection Service monitoring suspicious activities and transactions. |
| 6 | SDK Service | 3 |  |
| 7 | PSP Service | 1 | Payment Service Provider responsible for payment routing and processing. |
| 8 | Customer Support Service | 2 | Manages customer interactions and ticketing support system. |
| 9 | Customer Wallet Service | 1 | Manages user wallet balance, transactions, and refunds. |
| 10 | Audit Service | 2 | Tracks and logs all system events and changes. |
| 11 | Notification Service | 2 | Handles email, SMS, and push notifications across the platform. |
| 12 | Document Extraction Service | 2 | Performs automated document scanning and data extraction. |
| 13 | Config Server | 1 | Central configuration management for all microservices. |
| 14 | Discovery Server | 1 | Service registry that enables dynamic service discovery. |
| 15 | Merchant Checkout Service | 3 | Facilitates merchant transaction flow during checkout. |
| 16 | Merchant Dashboard Service | 1 | Merchant-facing dashboard for monitoring transactions and reports. |
| 17 | Admin Dashboard Service | 1 | Administrative control panel for managing the entire system. |
| 18 | Embedded Service | 1 | an interface used to select the payment gateway and initiate payment requests. |

## 2. Database Services

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| No | Database Instance | Priority | Description |
| 1 | PGS Postgres Instance | 1 | Database for payment gateway transactions. |
| 2 | BMS Postgres Instance | 1 | Stores business management data. |
| 3 | Auth Postgres Instance | 1 | Maintains authentication and authorization data. |
| 4 | FDS Postgres Instance | 1 | Stores fraud detection data and analytics results. |
| 5 | PSP Postgres Instance | 3 | Holds data for payment service provider operations. |
| 6 | Customer Support Postgres Instance | 2 | Contains customer support tickets and logs. |
| 7 | Customer Wallet Postgres Instance | 1 | Stores wallet transactions and balances. |
| 8 | Audit Postgres Instance | 2 | Records audit logs and activity history. |
| 9 | Notification Postgres Instance | 2 | Manages queued notifications and message templates. |

## 3. Infrastructure Services

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| No | Service Name | Priority | Description |
| 1 | Kafka | 1 | Message broker used for event streaming and asynchronous communication. |
| 2 | Zookeeper | 1 | Coordinates Kafka clusters and maintains configuration consistency. |
| 3 | ELK Stack | 2 | Elasticsearch, Logstash, and Kibana for centralized logging and monitoring. |
| 4 | MinIO | 2 | Object storage for documents, backups, and file uploads. |
| 5 | PgAdmin | 3 | PostgreSQL administration and management tool. |
| 6 | Caddy | 1 | Reverse proxy and web server routing. |