

Internal System Technical Manual

1. System Architecture

The enterprise application follows a microservices-based architecture. Each service communicates via REST APIs and is deployed using Docker containers.

2. Database Management

PostgreSQL is used as the primary relational database. Daily automated backups are scheduled at 2:00 AM IST.

3. Authentication

JWT-based authentication is implemented for all APIs. Tokens expire after 60 minutes and require re-authentication.

4. Logging and Monitoring

Application logs are collected using ELK Stack. Critical alerts are configured through Prometheus and Grafana.