

Technical Specification Document

This technical specification document describes the system requirements for the new enterprise application.

The system must support **at least 1,000 concurrent users** without performance degradation. The expected response time for key operations should be less than **2 seconds** under normal load.

Hardware requirements include cloud-based infrastructure with auto-scaling capabilities. Software dependencies include a relational database, an API gateway, and integration with external authentication services.

Security requirements specify **encryption of data at rest and in transit**, role-based access control, and regular vulnerability assessments. The system must comply with internal security standards and audit guidelines.

The document also outlines the testing strategy, including unit testing, integration testing, and user acceptance testing. Acceptance criteria must be met before final deployment.