

Deployment & Scalability Infrastructure Blueprint

1. Overview

[Brief summary of the infrastructure approach, key objectives, and targeted capacity.]

2. Key Components

- [Describe Application Servers]
- [Describe Database Layer]
- [Load Balancers]
- [Caching Mechanisms]
- [Storage Solutions]
- [CDN/Edge Services]

3. Infrastructure Diagram

[Insert architecture diagram image or ASCII diagram here]

4. Deployment Strategy

- [Describe CI/CD pipeline]
- [Deployment automation tools]
- [Zero-downtime deployment methods]

5. Scalability Plan

Component	Scaling Method	Triggers
[App Server]	[Horizontal/Vertical]	[CPU usage, response time]
[Database]	[Read replicas, partitioning]	[Query latency, connection count]

6. Monitoring & Alerts

- [Tools for monitoring infrastructure]
- [Key metrics and thresholds]
- [Alert notification channels]

7. Disaster Recovery & Backup

- [Backup frequency & location]
- [Recovery Point/Time Objectives]
- [Failover process]

8. Security Considerations

- [Authentication/Authorization]
- [Network segmentation]
- [Secrets management]
- [Compliance requirements]

Document History

Date	Author	Change
[YYYY-MM-DD]	[Name]	[Created initial draft]