**Production Environment Setup & Configuration Documentation**

**Objective:**  
Establish a secure, scalable, and highly available production infrastructure to support MoHRIS with minimal downtime and robust performance.

**Detailed Components:**

* **Infrastructure Design:**
  + Cloud-based setup (AWS, Azure, or GCP) with autoscaling groups and load balancers.
  + Network segmentation with Virtual Private Cloud (VPC), firewalls, and security groups.
* **Configuration Management:**
  + Infrastructure as Code (IaC) using Terraform, CloudFormation, or Ansible for reproducibility.
  + Environment-specific configuration files with secure secrets management (e.g., HashiCorp Vault).
* **Security Measures:**
  + SSL/TLS certificates for all endpoints.
  + IAM roles and policies for least privilege access.
  + Regular patching and vulnerability scanning.
* **Monitoring & Logging:**
  + Integration with monitoring tools (CloudWatch, Azure Monitor) and centralized logging (ELK stack).
  + Alerting on system health, security events, and resource utilization.
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