

Infrastructure Overview

SentraShield Internal Document — Confidential

Cloud Hosting

SentraShield infrastructure is hosted entirely on Amazon Web Services (AWS). The primary hosting region is US-East-1 (Northern Virginia). A secondary failover region is maintained at US-West-2 (Oregon) to ensure high availability and disaster recovery capabilities.

Backup Policy

Encrypted backups of all customer data are performed daily using automated AWS Backup jobs. Backups are retained for 30 days before secure deletion. Weekly backups are additionally retained for 90 days for long-term recovery purposes. All backup data is encrypted using the same AES-256 standard applied to production data.

Monitoring and Uptime

All infrastructure resources are monitored continuously using AWS CloudWatch and a third-party APM solution. Alerts are configured for anomalous traffic, high CPU utilization, and failed authentication attempts. SentraShield maintains a 99.9% uptime SLA for all production services.

Network Security

All production workloads operate within a private Virtual Private Cloud (VPC). Security groups and network access control lists (ACLs) restrict inbound and outbound traffic to approved ports and IP ranges. All internal service communication uses private IP addresses within the VPC.