DevOps Automation Workflow Documentation

Summit Digital Solutions, Inc.

Version 2.4 | Last Updated: January 9, 2024

Document Classification: Confidential

1. Purpose and Scope

1. This DevOps Automation Workflow Documentation ("Documentation") sets forth the

standardized processes, procedures, and technical specifications for Summit Digital Solutions, Inc.'s

("Company") automated software development and deployment infrastructure, specifically relating to

the Peak Performance Platform(TM) and associated enterprise solutions.

2. This Documentation is considered proprietary and confidential information of the Company and is

subject to all applicable non-disclosure agreements and intellectual property protections.

2. Definitions

1. "CI/CD Pipeline" refers to the Company's continuous integration and continuous deployment

infrastructure, built on containerized microservices architecture.

2. "Development Environment" means the segregated cloud-based environment utilizing AWS and

Azure services for code development and testing.

3. "Production Environment" means the live operating environment where client-facing applications

and services are deployed and maintained.

4. "Automation Scripts" refers to the proprietary collection of Infrastructure as Code (IaC) templates,

configuration management scripts, and deployment automation tools.

3. Infrastructure Architecture

1. Cloud Infrastructure

Primary: AWS (us-east-1, us-west-2)

Secondary: Azure (East US, West US 2)

Disaster Recovery: GCP (us-central1)

2. Container Orchestration

- Kubernetes clusters (EKS/AKS)
- Istio service mesh
- Harbor container registry
- 3. Monitoring and Logging
- Prometheus/Grafana stack
- ELK Stack (Elasticsearch, Logstash, Kibana)
- Custom metrics collection via Peak Performance Platform(TM)

4. Automated Deployment Procedures

- 1. Code Repository Management
- GitLab Enterprise (self-hosted)
- Branch protection rules
- Automated code review requirements
- Mandatory security scanning

2. Build Process

- Jenkins pipelines with parallel execution
- Automated unit testing
- Static code analysis
- Container security scanning
- Artifact versioning and storage
- 3. Deployment Stages
- Development deployment (automated)
- QA deployment (automated with approval)
- Staging deployment (automated with approval)
- Production deployment (manual approval required)

5. Security Controls and Compliance

- 1. Access Control
- Role-based access control (RBAC)

- Multi-factor authentication
- Just-in-time access provisioning
- Automated access review cycles

2. Security Scanning

- SonarQube code analysis
- Aqua container security
- Dependency vulnerability scanning
- Automated compliance checking

3. Audit Trail

- Comprehensive logging of all pipeline activities
- Immutable audit records
- Automated compliance reporting
- Access attempt monitoring

6. Disaster Recovery and Business Continuity

1. Backup Procedures

- Automated daily backups of all environments
- Cross-region replication
- 30-day retention policy
- Monthly disaster recovery testing

2. Failover Procedures

- Automated failover triggering
- Cross-region load balancing
- Data consistency verification
- Service restoration SLAs

7. Maintenance and Updates

1. Scheduled Maintenance

- Monthly security patches

- Quarterly infrastructure updates
- Annual architecture review
- Automated dependency updates
- 2. Emergency Procedures
- Critical vulnerability response
- Zero-day exploit mitigation
- Emergency rollback procedures
- Incident response automation

8. Proprietary Rights and Confidentiality

- 1. All automation workflows, scripts, configurations, and associated documentation described herein are the exclusive property of Summit Digital Solutions, Inc.
- 2. This Documentation contains trade secrets and confidential information that shall not be disclosed, copied, or utilized without express written permission from the Company.

9. Document Control

- 1. This Documentation shall be reviewed and updated quarterly by the Chief Technology Officer or their designee.
- 2. All changes must be approved by the Technology Governance Committee and documented in the change log.

10. Attestation

The undersigned hereby certifies that this Documentation accurately reflects the current DevOps automation workflows and procedures of Summit Digital Solutions, Inc. as of the date below.

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By: _

Michael Chang

Chief Technology Officer

Summit Digital Solutions, Inc.

Date: _	

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