

CLOUD INFRASTRUCTURE COST REPORT

Summit Digital Solutions, Inc.

Reporting Period: FY2023 (January 1, 2023 - December 31, 2023)

Report Date: January 9, 2024

1. EXECUTIVE SUMMARY

This report details Summit Digital Solutions, Inc.'s ("Company") cloud infrastructure costs and utilization metrics for FY2023. The analysis encompasses all cloud service providers, associated licensing, and operational expenditures supporting the Peak Performance Platform and related digital transformation solutions.

2. CLOUD SERVICE PROVIDERS AND COST ALLOCATION

2.1 Primary Cloud Service Providers

- Amazon Web Services (AWS): 65% of total cloud spend
- Microsoft Azure: 25% of total cloud spend
- Google Cloud Platform: 10% of total cloud spend

2.2 Annual Cloud Infrastructure Costs

Total FY2023 Cloud Infrastructure Spend: \$4,875,000

- Infrastructure as a Service (IaaS): \$2,925,000
- Platform as a Service (PaaS): \$1,462,500
- Software as a Service (SaaS): \$487,500

3. COST BREAKDOWN BY SERVICE CATEGORY

3.1 Compute Services

- EC2 Instances: \$1,250,000
- Azure Virtual Machines: \$475,000
- Google Compute Engine: \$195,000
- Container Services: \$385,000

3.2 Storage Services

- Object Storage: \$425,000

- Block Storage: \$295,000
- Archive Storage: \$75,000

3.3 Database Services

- Managed Database Services: \$575,000
- Data Warehouse Solutions: \$385,000
- Cache Services: \$125,000

3.4 Network Services

- Data Transfer: \$295,000
- Load Balancing: \$145,000
- VPN and Direct Connect: \$95,000

4. UTILIZATION METRICS

4.1 Resource Utilization

- Average CPU Utilization: 72%
- Average Memory Utilization: 68%
- Storage Utilization: 81%
- Network Bandwidth Utilization: 65%

4.2 Performance Metrics

- Average Application Response Time: 185ms
- System Availability: 99.98%
- Service Level Agreement Compliance: 99.95%

5. COST OPTIMIZATION INITIATIVES

5.1 Implemented Measures

- Reserved Instance Coverage: 75%
- Auto-scaling Implementation: 85% of eligible workloads
- Spot Instance Usage: 15% of eligible workloads
- Resource Right-sizing: Quarterly reviews implemented

5.2 Cost Savings Achieved

- Reserved Instance Savings: \$875,000
- Spot Instance Savings: \$195,000
- Right-sizing Savings: \$285,000

Total Annual Savings: \$1,355,000

6. FUTURE PROJECTIONS AND RECOMMENDATIONS

6.1 Projected Costs (FY2024)

- Estimated Total Spend: \$5,850,000 (+20% YoY)
- Projected Cost Optimization Savings: \$1,755,000
- Net Projected Spend: \$4,095,000

6.2 Strategic Recommendations

Increase Reserved Instance coverage to 85%

Implement automated resource scheduling

Expand multi-cloud optimization strategy

Enhanced monitoring and analytics implementation

7. COMPLIANCE AND SECURITY

7.1 Security Measures

- Encryption at rest: 100% implementation
- Network security controls: Comprehensive coverage
- Access management: Role-based access control
- Security monitoring: 24/7 automated monitoring

7.2 Compliance Status

- SOC 2 Type II Compliance: Maintained
- ISO 27001 Certification: Current
- GDPR Compliance: Verified
- HIPAA Compliance: Maintained

8. DISCLAIMERS AND LIMITATIONS

This report is confidential and proprietary to Summit Digital Solutions, Inc. The financial data and

projections contained herein are based on current market conditions and historical data. Future results may vary based on market conditions, technology changes, and business requirements. This report should not be relied upon as the sole basis for business decisions.

9. CERTIFICATION

This Cloud Infrastructure Cost Report has been reviewed and certified accurate by the undersigned officers of Summit Digital Solutions, Inc. as of the date first written above.

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Michael Chang

Chief Technology Officer

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Sarah Blackwell

Chief Operating Officer

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James Henderson

Chief Digital Officer

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