AWS Well-Architected Tool

AWS Well-Architected Tool My Workload - Sample Lens Report

AWS Account ID: [redacted]

AWS Well-Architected Tool Report

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Workload properties

Workload name
My Workload

ARN
arn:aws:wellarchitected:us-east-1:[redacted]:workload/493d54d6513dcdb8aeef80a67ddef91d

Description
My Workload Description

Review owner
your_review_owner_email@example.com

Industry type
-

Industry
-

Environment
Production

AWS Regions
US East (N. Virginia)

Non-AWS regions
-

Account IDs
-

Architectural design
-

Application

-

Lens overview

Questions answered

6/6

Version

Sample Lens, 1.0

Pillar	Questions answered
Operational Excellence	2/2
Security	1/1
Reliability	1/1
Performance Efficiency	1/1
Cost Optimization	1/1

Lens notes

-

Improvement plan

Improvement item summary

High risk: 1

Medium risk: 4

Pillar	High risk	Medium risk
Operational Excellence	0	2
Security	0	1
Reliability	0	1
Performance Efficiency	0	0
Cost Optimization	1	0

High risk

Operational Excellence
No improvements identified

Security
No improvements identified

Reliability
No improvements identified

Performance Efficiency
No improvements identified

Cost Optimization
• 5.1.Cost Management

Medium risk

Operational Excellence
• 1.1.Monitoring • 1.2.Incident Management

Security
• 2.1.Data Protection

Reliability
• 3.1.Fault Tolerance

Performance Efficiency
No improvements identified

Cost Optimization
No improvements identified

Lens details

Operational Excellence

Questions answered

2/2

Question status

- High risk: 0
- Medium risk: 2
- No improvements identified: 0
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. Monitoring

⚠ Medium risk

Selected choice(s)

- Use Amazon CloudWatch
- Implement Centralized Logging

Not selected choice(s)

- Use AWS X-Ray for Tracing
- Implement Health Checks

Best Practices marked as Not Applicable

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Notes

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Improvement plan

These links were provided by the lens owner and have not been validated by AWS.

- Implement AWS X-Ray to trace requests as they travel through your application. This helps in identifying bottlenecks and understanding application performance.
- Set up health checks for your resources to monitor their availability and performance. Use Route 53 or ELB health checks to automate failover and ensure high availability.

2. Incident Management

⚠ Medium risk

Selected choice(s)

- Automated Incident Detection
- Runbooks and Playbooks

Not selected choice(s)

- Incident Response Drills
- Post-Incident Analysis

Best Practices marked as Not Applicable

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Notes

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Improvement plan

These links were provided by the lens owner and have not been validated by AWS.

- Conduct regular incident response drills to ensure your team is prepared to handle incidents effectively. Review and update procedures based on drill outcomes.
- Perform post-incident analysis to identify the root cause of incidents and implement corrective actions to prevent recurrence.

Security

Questions answered

1/1

Question status

- High risk: 0
- Medium risk: 1
- No improvements identified: 0
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. Data Protection

⚠ Medium risk

Selected choice(s)

- Encrypt Data in Transit
- Implement IAM Policies
- Regular Security Audits

Not selected choice(s)

- Encrypt Data at Rest

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

These links were provided by the lens owner and have not been validated by AWS.

- Implement AWS Key Management Service (KMS) to encrypt your data at rest. Configure policies to enforce encryption across all storage services.

Reliability

Questions answered

1/1

Question status

- High risk: 0
- Medium risk: 1
- No improvements identified: 0
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. Fault Tolerance

⚠ Medium risk

Selected choice(s)

- Implement Auto Scaling
- Backup and Restore Procedures

Not selected choice(s)

- Implement Multi-AZ Architecture
- Use Load Balancers

Best Practices marked as Not Applicable

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Notes

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Improvement plan

These links were provided by the lens owner and have not been validated by AWS.

- Design your workload to use a multi-AZ architecture to ensure high availability. Use services like Amazon RDS with Multi-AZ deployments.
- Implement load balancers such as Elastic Load Balancer (ELB) to distribute traffic across multiple instances, enhancing fault tolerance.

Performance Efficiency

Questions answered

1/1

Question status

- High risk: 0
- Medium risk: 0
- No improvements identified: 1
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. Scalability

No improvements identified

Selected choice(s)

- Use Elastic Load Balancing
- Use Auto Scaling
- Use Caching
- Optimize Database Performance

Not selected choice(s)

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Best Practices marked as Not Applicable

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Notes

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Improvement plan

No risk detected for this question. No action needed.

Cost Optimization

Questions answered

1/1

Question status

- High risk: 1
- Medium risk: 0
- No improvements identified: 0
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. Cost Management

High risk

Selected choice(s)

- Use Reserved Instances
- Implement Right-Sizing

Not selected choice(s)

- Implement Cost Monitoring
- Optimize Storage Costs

Best Practices marked as Not Applicable

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Notes

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Improvement plan

These links were provided by the lens owner and have not been validated by AWS.

- Use AWS Cost Explorer and AWS Budgets to monitor and analyze your spending. Set up alerts for unexpected cost increases.
- Review your storage usage and implement lifecycle policies to move data to lower-cost storage tiers. Use Amazon S3 Intelligent-Tiering to automatically optimize storage costs.