AWS Well-Architected Tool

AWS Well-Architected Tool RK World-0007 - AWS Well-Architected Framework Report

AWS Account ID: 933165700104

AWS Well-Architected Tool Report

Table of contents

Workload properties

Workload name
RK World-0007

ARN
arn:aws:wellarchitected:ap-south-1:933165700104:workload/7cf4e315b4b89cd9edc89b21b0a763be

Description
Infrastructure review

Review owner
1132837

Industry type
Retail & Wholesale

Industry
-

Environment
Production

AWS Regions
Asia Pacific (Mumbai)

Non-AWS regions
-

Account IDs
510536840007

Architectural design
-

Application

-

Lens overview

Questions answered

49/57

Version

AWS Well-Architected Framework, 27th Jun 2024

Pillar	Questions answered
Operational Excellence	11/11
Security	10/11
Reliability	10/13
Performance Efficiency	5/5
Cost Optimization	7/11
Sustainability	6/6

Lens notes

-

Improvement plan

Improvement item summary

High risk: 1

Medium risk: 4

Pillar	High risk	Medium risk
Operational Excellence	0	0
Security	1	3
Reliability	0	0
Performance Efficiency	0	0
Cost Optimization	0	0
Sustainability	0	1

High risk

Operational Excellence
No improvements identified

Security
• SEC 6.How do you protect your compute resources?

Reliability
No improvements identified

Performance Efficiency
No improvements identified

Cost Optimization
No improvements identified

Sustainability
No improvements identified

Medium risk

Operational Excellence
No improvements identified

Security
• SEC 1.How do you securely operate your workload? • SEC 4.How do you detect and investigate security events? • SEC 5.How do you protect your network resources?

Reliability
No improvements identified

Performance Efficiency
No improvements identified

Cost Optimization
No improvements identified

Sustainability
• SUS 2.How do you align cloud resources to your demand?

Lens details

Operational Excellence

Questions answered

11/11

Question status

- High risk: 0
- Medium risk: 0
- No improvements identified: 11
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. How do you determine what your priorities are?

No improvements identified

Selected choice(s)

- Evaluate customer needs
- Evaluate internal customer needs
- Evaluate governance requirements
- Evaluate compliance requirements
- Evaluate threat landscape
- Evaluate tradeoffs while managing benefits and risks

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

2. How do you structure your organization to support your business outcomes?

No improvements identified

Selected choice(s)

- Resources have identified owners
- Processes and procedures have identified owners
- Operations activities have identified owners responsible for their performance
- Mechanisms exist to manage responsibilities and ownership
- Mechanisms exist to request additions, changes, and exceptions
- Responsibilities between teams are predefined or negotiated

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

3. How does your organizational culture support your business outcomes?

No improvements identified

Selected choice(s)

- Provide executive sponsorship
- Escalation is encouraged
- Communications are timely, clear, and actionable
- Team members are empowered to take action when outcomes are at risk
- Experimentation is encouraged
- Team members are encouraged to maintain and grow their skill sets
- Resource teams appropriately

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

4. How do you implement observability in your workload?

No improvements identified

Selected choice(s)

- Identify key performance indicators
- Implement application telemetry
- Implement user experience telemetry
- Implement dependency telemetry
- Implement distributed tracing

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

5. How do you reduce defects, ease remediation, and improve flow into production?

No improvements identified

Selected choice(s)

- Use version control
- Test and validate changes
- Use configuration management systems
- Use build and deployment management systems
- Perform patch management
- Share design standards
- Implement practices to improve code quality
- Use multiple environments
- Make frequent, small, reversible changes
- Fully automate integration and deployment

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

6. How do you mitigate deployment risks?

No improvements identified

Selected choice(s)

- Plan for unsuccessful changes
- Test deployments
- Employ safe deployment strategies
- Automate testing and rollback

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

7. How do you know that you are ready to support a workload?

No improvements identified

Selected choice(s)

- Ensure personnel capability
- Ensure a consistent review of operational readiness
- Use runbooks to perform procedures
- Use playbooks to investigate issues
- Make informed decisions to deploy systems and changes
- Create support plans for production workloads

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

8. How do you utilize workload observability in your organization?

No improvements identified

Selected choice(s)

- Create actionable alerts
- Analyze workload metrics
- Analyze workload logs
- Analyze workload traces
- Create dashboards

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

No risk detected for this question. No action needed.

9. How do you understand the health of your operations?

No improvements identified

Selected choice(s)

- Measure operations goals and KPIs with metrics
- Communicate status and trends to ensure visibility into operation
- Review operations metrics and prioritize improvement

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

No risk detected for this question. No action needed.

10. How do you manage workload and operations events?

No improvements identified

Selected choice(s)

- Use a process for event, incident, and problem management
- Have a process per alert
- Prioritize operational events based on business impact
- Define escalation paths
- Define a customer communication plan for service-impacting events
- Communicate status through dashboards
- Automate responses to events

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

11. How do you evolve operations?

No improvements identified

Selected choice(s)

- Have a process for continuous improvement
- Perform post-incident analysis
- Implement feedback loops
- Perform knowledge management
- Define drivers for improvement
- Validate insights
- Perform operations metrics reviews
- Document and share lessons learned
- Allocate time to make improvements

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

No risk detected for this question. No action needed.

Security

Questions answered

10/11

Question status

- High risk: 1
- Medium risk: 3
- No improvements identified: 6
- Not Applicable: 0
- Unanswered: 1

Pillar notes

-

1. How do you securely operate your workload?

⚠ Medium risk

Selected choice(s)

- Separate workloads using accounts
- Secure account root user and properties
- Identify and validate control objectives
- Stay up to date with security threats and recommendations
- Identify and prioritize risks using a threat model
- Evaluate and implement new security services and features regularly

Not selected choice(s)

- Reduce security management scope
- Automate deployment of standard security controls
- None of these

Best Practices marked as Not Applicable

-

Notes

MFA need to enabled for Root user
Root user has been enabled for this account-verified

Improvement plan

- Reduce security management scope
- Automate deployment of standard security controls

Ask an expert

2. How do you manage identities for people and machines?

No improvements identified

Selected choice(s)

- Use strong sign-in mechanisms
- Use temporary credentials
- Store and use secrets securely
- Rely on a centralized identity provider
- Audit and rotate credentials periodically
- Employ user groups and attributes

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

need to review password policy at the account level and recommand the best pratices

Improvement plan

No risk detected for this question. No action needed.

3. How do you manage permissions for people and machines?

No improvements identified

Selected choice(s)

- Define access requirements
- Grant least privilege access
- Define permission guardrails for your organization
- Manage access based on lifecycle
- Establish emergency access process
- Share resources securely within your organization
- Reduce permissions continuously
- Share resources securely with a third party
- Analyze public and cross account access

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

Review all the iam users and and disable unwanted ids.

Disbaled unused IAM user with customer confirmation

Improvement plan

No risk detected for this question. No action needed.

4. How do you detect and investigate security events?

⚠ Medium risk

Selected choice(s)

- Configure service and application logging

Not selected choice(s)

- Capture logs, findings, and metrics in standardized locations
- Initiate remediation for non-compliant resources
- Correlate and enrich security events
- None of these

Best Practices marked as Not Applicable

-

Notes

INtegrate Cloud trail with cloud watch alarms

Improvement plan

- Capture logs, findings, and metrics in standardized locations
- Initiate remediation for non-compliant resources
- Correlate and enrich security events

Ask an expert

5. How do you protect your network resources?

⚠ Medium risk

Selected choice(s)

- Create network layers
- Control traffic within your network layers
- Automate network protection

Not selected choice(s)

- Implement inspection-based protection
- None of these

Best Practices marked as Not Applicable

-

Notes

review Filters and policies at WAF level

Improvement plan

- Implement inspection-based protection

Ask an expert

6. How do you protect your compute resources?

High risk

Selected choice(s)

- Automate compute protection

Not selected choice(s)

- Perform vulnerability management
- Provision compute from hardened images
- Validate software integrity
- Reduce manual management and interactive access
- None of these

Best Practices marked as Not Applicable

-

Notes

Recommanded to inplement inspector to to VA scan in the account

Improvement plan

- Perform vulnerability management
- Provision compute from hardened images
- Validate software integrity
- Reduce manual management and interactive access

Ask an expert

7. How do you classify your data?

No improvements identified

Selected choice(s)

- Understand your data classification scheme
- Apply data protection controls based on data sensitivity
- Define scalable data lifecycle management
- Automate identification and classification

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

Need to review data in s3 buckets and enable life cycle policy

Improvement plan

No risk detected for this question. No action needed.

8. How do you protect your data at rest?

No improvements identified

Selected choice(s)

- Implement secure key management
- Enforce encryption at rest
- Automate data at rest protection
- Enforce access control

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

need to review all the s3 buckets are encryption enabled

Encryption enabled for all the buckets

Improvement plan

No risk detected for this question. No action needed.

9. How do you protect your data in transit?

No improvements identified

Selected choice(s)

- Implement secure key and certificate management
- Enforce encryption in transit
- Authenticate network communications

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

10. How do you anticipate, respond to, and recover from incidents?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Identify key personnel and external resources
- Develop incident management plans
- Prepare forensic capabilities
- Develop and test security incident response playbooks
- Pre-provision access
- Run simulations
- Establish a framework for learning from incidents
- Pre-deploy tools
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

11. How do you incorporate and validate the security properties of applications throughout the design, development, and deployment lifecycle?

No improvements identified

Selected choice(s)

- Perform regular penetration testing
- Deploy software programmatically
- Regularly assess security properties of the pipelines
- Train for application security
- Automate testing throughout the development and release lifecycle
- Manual code reviews
- Centralize services for packages and dependencies
- Build a program that embeds security ownership in workload teams

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

No risk detected for this question. No action needed.

Reliability

Questions answered

10/13

Question status

- High risk: 0
- Medium risk: 0
- No improvements identified: 10
- Not Applicable: 0
- Unanswered: 3

Pillar notes

-

1. How do you manage service quotas and constraints?

No improvements identified

Selected choice(s)

- Aware of service quotas and constraints
- Manage service quotas across accounts and Regions
- Accommodate fixed service quotas and constraints through architecture
- Monitor and manage quotas
- Automate quota management
- Ensure that a sufficient gap exists between the current quotas and the maximum usage to accommodate failover

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

No risk detected for this question. No action needed.

2. How do you plan your network topology?

No improvements identified

Selected choice(s)

- Use highly available network connectivity for your workload public endpoints
- Provision redundant connectivity between private networks in the cloud and on-premises environments
- Ensure IP subnet allocation accounts for expansion and availability
- Prefer hub-and-spoke topologies over many-to-many mesh
- Enforce non-overlapping private IP address ranges in all private address spaces where they are connected

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

3. How do you design your workload service architecture?

No improvements identified

Selected choice(s)

- Choose how to segment your workload
- Build services focused on specific business domains and functionality
- Provide service contracts per API

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

4. How do you design interactions in a distributed system to prevent failures?

No improvements identified

Selected choice(s)

- Identify the kind of distributed systems you depend on
- Implement loosely coupled dependencies
- Make all responses idempotent
- Do constant work

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

5. How do you design interactions in a distributed system to mitigate or withstand failures?

No improvements identified

Selected choice(s)

- Implement graceful degradation to transform applicable hard dependencies into soft dependencies
- Throttle requests
- Control and limit retry calls
- Fail fast and limit queues
- Set client timeouts
- Make systems stateless where possible
- Implement emergency levers

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

No risk detected for this question. No action needed.

6. How do you monitor workload resources?

No improvements identified

Selected choice(s)

- Monitor all components for the workload (Generation)
- Define and calculate metrics (Aggregation)
- Send notifications (Real-time processing and alarming)
- Automate responses (Real-time processing and alarming)
- Analyze logs
- Conduct reviews regularly
- Monitor end-to-end tracing of requests through your system

Not selected choice(s)

- None of these

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.

7. How do you design your workload to adapt to changes in demand?

No improvements identified

Selected choice(s)

- Use automation when obtaining or scaling resources
- Obtain resources upon detection of impairment to a workload
- Obtain resources upon detection that more resources are needed for a workload
- Load test your workload

Not selected choice(s)

- None of these

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.

8. How do you implement change?

No improvements identified

Selected choice(s)

- Use runbooks for standard activities such as deployment
- Integrate functional testing as part of your deployment
- Integrate resiliency testing as part of your deployment
- Deploy using immutable infrastructure
- Deploy changes with automation

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

9. How do you back up data?

No improvements identified

Selected choice(s)

- Identify and back up all data that needs to be backed up, or reproduce the data from sources
- Secure and encrypt backups
- Perform data backup automatically
- Perform periodic recovery of the data to verify backup integrity and processes

Not selected choice(s)

- None of these

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.

10. How do you use fault isolation to protect your workload?

No improvements identified

Selected choice(s)

- Deploy the workload to multiple locations
- Select the appropriate locations for your multi-location deployment
- Use bulkhead architectures to limit scope of impact
- Automate recovery for components constrained to a single location

Not selected choice(s)

- None of these

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.

11. How do you design your workload to withstand component failures?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Monitor all components of the workload to detect failures
- Fail over to healthy resources
- Automate healing on all layers
- Rely on the data plane and not the control plane during recovery
- Use static stability to prevent bimodal behavior
- Send notifications when events impact availability
- Architect your product to meet availability targets and uptime service level agreements (SLAs)
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

Answer the question to view the improvement plan.

12. How do you test reliability?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Use playbooks to investigate failures
- Perform post-incident analysis
- Test functional requirements
- Test scaling and performance requirements
- Test resiliency using chaos engineering
- Conduct game days regularly
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

Answer the question to view the improvement plan.

13. How do you plan for disaster recovery (DR)?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Define recovery objectives for downtime and data loss
- Use defined recovery strategies to meet the recovery objectives
- Test disaster recovery implementation to validate the implementation
- Manage configuration drift at the DR site or Region
- Automate recovery
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

Performance Efficiency

Questions answered

5/5

Question status

- High risk: 0
- Medium risk: 0
- No improvements identified: 5
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. How do you select the appropriate cloud resources and architecture patterns for your workload?

No improvements identified

Selected choice(s)

- Learn about and understand available cloud services and features
- Evaluate how trade-offs impact customers and architecture efficiency
- Use guidance from your cloud provider or an appropriate partner to learn about architecture patterns and best practices
- Factor cost into architectural decisions
- Use policies and reference architectures
- Use benchmarking to drive architectural decisions
- Use a data-driven approach for architectural choices

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

No risk detected for this question. No action needed.

2. How do you select and use compute resources in your workload?

No improvements identified

Selected choice(s)

- Select the best compute options for your workload
- Collect compute-related metrics
- Scale your compute resources dynamically
- Understand the available compute configuration and features
- Configure and right-size compute resources
- Use optimized hardware-based compute accelerators

Not selected choice(s)

- None of these

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.

3. How do you store, manage, and access data in your workload?

No improvements identified

Selected choice(s)

- Use purpose-built data store that best support your data access and storage requirements
- Collect and record data store performance metrics
- Evaluate available configuration options for data store
- Implement strategies to improve query performance in data store
- Implement data access patterns that utilize caching

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

No risk detected for this question. No action needed.

4. How do you select and configure networking resources in your workload?

No improvements identified

Selected choice(s)

- Understand how networking impacts performance
- Evaluate available networking features
- Choose appropriate dedicated connectivity or VPN for your workload
- Use load balancing to distribute traffic across multiple resources
- Choose network protocols to improve performance
- Choose your workload's location based on network requirements
- Optimize network configuration based on metrics

Not selected choice(s)

- None of these

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.

5. What process do you use to support more performance efficiency for your workload?

No improvements identified

Selected choice(s)

- Establish key performance indicators (KPIs) to measure workload health and performance
- Use monitoring solutions to understand the areas where performance is most critical
- Define a process to improve workload performance
- Review metrics at regular intervals
- Load test your workload
- Use automation to proactively remediate performance-related issues
- Keep your workload and services up-to-date

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

Cost Optimization

Questions answered

7/11

Question status

- High risk: 0
- Medium risk: 0
- No improvements identified: 7
- Not Applicable: 0
- Unanswered: 4

Pillar notes

-

1. How do you implement cloud financial management?

No improvements identified

Selected choice(s)

- Establish ownership of cost optimization
- Establish a partnership between finance and technology
- Establish cloud budgets and forecasts
- Implement cost awareness in your organizational processes
- Monitor cost proactively
- Keep up-to-date with new service releases
- Quantify business value from cost optimization
- Report and notify on cost optimization
- Create a cost-aware culture

Not selected choice(s)

- None of these

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.

2. How do you govern usage?

No improvements identified

Selected choice(s)

- Develop policies based on your organization requirements
- Implement goals and targets
- Implement an account structure
- Implement cost controls
- Implement groups and role
- Track project lifecycle

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

No risk detected for this question. No action needed.

3. How do you monitor your cost and usage?

No improvements identified

Selected choice(s)

- Configure detailed information sources
- Identify cost attribution categories
- Establish organization metrics
- Configure billing and cost management tools
- Add organization information to cost and usage
- Allocate costs based on workload metrics

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

No risk detected for this question. No action needed.

4. How do you decommission resources?

No improvements identified

Selected choice(s)

- Track resources over their life time
- Implement a decommissioning process
- Decommission resources
- Enforce data retention policies
- Decommission resources automatically

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

Need to review the s3 buckets retention for logsg buckets

reviewed and confirmed all the bucket retention has confirgured as per the requirement

Improvement plan

No risk detected for this question. No action needed.

5. How do you evaluate cost when you select services?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Identify organization requirements for cost
- Analyze all components of this workload
- Perform a thorough analysis of each component
- Select components of this workload to optimize cost in line with organization priorities
- Perform cost analysis for different usage over time
- Select software with cost effective licensing
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

6. How do you meet cost targets when you select resource type, size and number?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Perform cost modeling
- Select resource type, size, and number based on data
- Consider using shared resources
- Select resource type, size, and number automatically based on metrics
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

7. How do you use pricing models to reduce cost?

No improvements identified

Selected choice(s)

- Perform pricing model analysis
- Choose Regions based on cost
- Select third-party agreements with cost-efficient terms
- Implement pricing models for all components of this workload
- Perform pricing model analysis at the management account level

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

Need to review the account and recommand the RI and saving plans

Recommended savings plan and implemented in account level

Improvement plan

No risk detected for this question. No action needed.

8. How do you plan for data transfer charges?

No improvements identified

Selected choice(s)

- Perform data transfer modeling
- Select components to optimize data transfer cost
- Implement services to reduce data transfer costs

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

9. How do you manage demand, and supply resources?

No improvements identified

Selected choice(s)

- Perform an analysis on the workload demand
- Implement a buffer or throttle to manage demand
- Supply resources dynamically

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

Need to review and share the recommandations of utilization of resources

Utilization metrics has been reviewed on regular basics and taken action accordingly

Improvement plan

No risk detected for this question. No action needed.

10. How do you evaluate new services?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Develop a workload review process
- Review and analyze this workload regularly
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

11. How do you evaluate the cost of effort?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Perform automation for operations
- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

Answer the question to view the improvement plan.

Sustainability

Questions answered

6/6

Question status

- High risk: 0
- Medium risk: 1
- No improvements identified: 5
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. How do you select Regions for your workload?

No improvements identified

Selected choice(s)

- Choose Region based on both business requirements and sustainability goals

Not selected choice(s)

- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

No risk detected for this question. No action needed.

2. How do you align cloud resources to your demand?

⚠ Medium risk

Selected choice(s)

- Scale workload infrastructure dynamically
- Align SLAs with sustainability goals
- Stop the creation and maintenance of unused assets
- Optimize team member resources for activities performed
- Implement buffering or throttling to flatten the demand curve

Not selected choice(s)

- Optimize geographic placement of workloads based on their networking requirements
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Optimize geographic placement of workloads based on their networking requirements

Ask an expert

3. How do you take advantage of software and architecture patterns to support your sustainability goals?

No improvements identified

Selected choice(s)

- Optimize software and architecture for asynchronous and scheduled jobs
- Remove or refactor workload components with low or no use
- Optimize areas of code that consume the most time or resources
- Optimize impact on devices and equipment
- Use software patterns and architectures that best support data access and storage patterns

Not selected choice(s)

- None of these

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.

4. How do you take advantage of data management policies and patterns to support your sustainability goals?

No improvements identified

Selected choice(s)

- Implement a data classification policy
- Use technologies that support data access and storage patterns
- Use policies to manage the lifecycle of your datasets
- Remove unneeded or redundant data
- Use shared file systems or storage to access common data
- Back up data only when difficult to recreate
- Use elasticity and automation to expand block storage or file system
- Minimize data movement across networks

Not selected choice(s)

- None of these

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.

5. How do you select and use cloud hardware and services in your architecture to support your sustainability goals?

No improvements identified

Selected choice(s)

- Use the minimum amount of hardware to meet your needs
- Use instance types with the least impact
- Use managed services
- Optimize your use of hardware-based compute accelerators

Not selected choice(s)

- None of these

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.

6. How do your organizational processes support your sustainability goals?

No improvements identified

Selected choice(s)

- Adopt methods that can rapidly introduce sustainability improvements
- Keep your workload up-to-date
- Increase utilization of build environments
- Use managed device farms for testing

Not selected choice(s)

- None of these

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.