AWS Well-Architected Tool

AWS Well-Architected Tool TME - Odoo - AWS Well-Architected Framework - Odoo - Initial Assessment Report

AWS Account ID: 281795875463

AWS Well-Architected Tool Report

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Milestone properties

Milestone name
Odoo - Initial Assessment

Date saved
Sep 19, 2023 1:55 PM UTC

Workload name
TME - Odoo

ARN
arn:aws:wellarchitected:ap-southeast-1:281795875463:workload/89d54fa6d37b3416b7ce8fc7cfba3e58

Description
TME - Odoo

Review owner
junaid.ahmed@init-global.com

Industry type
-

Industry
-

Environment
Production

AWS Regions
Asia Pacific (Singapore)

Non-AWS regions
-

Account IDs

-

Architectural design

-

Application

-

Lens overview

Questions answered

36/60

Version

AWS Well-Architected Framework, 10th Apr 2023

Pillar	Questions answered
Operational Excellence	0/11
Security	11/11
Reliability	0/13
Performance Efficiency	8/8
Cost Optimization	11/11
Sustainability	6/6

Lens notes

-

Improvement plan

Improvement item summary

High risk: 17

Medium risk: 12

Pillar	High risk	Medium risk
Operational Excellence	0	0
Security	4	6
Reliability	0	0
Performance Efficiency	5	1
Cost Optimization	8	1
Sustainability	0	4

High risk

Operational Excellence
No improvements identified

Security
• SEC 1.How do you securely operate your workload? • SEC 2.How do you manage identities for people and machines? • SEC 10.How do you anticipate, respond to, and recover from incidents? • SEC 11.How do you incorporate and validate the security properties of applications throughout the design, development, and deployment lifecycle?

Reliability

No improvements identified

Performance Efficiency

- PERF 7.How do you monitor your resources to ensure they are performing?
- PERF 2.How do you select your compute solution?
- PERF 4.How do you select your database solution?
- PERF 5.How do you configure your networking solution?
- PERF 6.How do you evolve your workload to take advantage of new releases?

Cost Optimization

- COST 1.How do you implement cloud financial management?
- COST 2.How do you govern usage?
- COST 3.How do you monitor usage and cost?
- COST 10.How do you evaluate new services?
- COST 5.How do you evaluate cost when you select services?
- COST 6.How do you meet cost targets when you select resource type, size and number?
- COST 8.How do you plan for data transfer charges?
- COST 4.How do you decommission resources?

Sustainability

No improvements identified

Medium risk

Operational Excellence

No improvements identified

Security

- SEC 3.How do you manage permissions for people and machines?
- SEC 4.How do you detect and investigate security events?
- SEC 5.How do you protect your network resources?
- SEC 6.How do you protect your compute resources?
- SEC 7.How do you classify your data?
- SEC 9.How do you protect your data in transit?

Reliability

No improvements identified

Performance Efficiency

- PERF 1.How do you select the best performing architecture?

Cost Optimization

- COST 11.How do you evaluate the cost of effort?

Sustainability
• SUS 2.How do you align cloud resources to your demand? • SUS 3.How do you take advantage of software and architecture patterns to support your sustainability goals? • SUS 4.How do you take advantage of data management policies and patterns to support your sustainability goals? • SUS 6.How do your organizational processes support your sustainability goals?

Lens details

Operational Excellence

Questions answered

0/11

Question status

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

Pillar notes

-

1. How do you determine what your priorities are?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Evaluate external customer needs
- Evaluate internal customer needs
- Evaluate governance requirements
- Evaluate compliance requirements
- Evaluate threat landscape
- Evaluate tradeoffs
- Manage benefits and risks
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

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

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Resources have identified owners
- Processes and procedures have identified owners
- Operations activities have identified owners responsible for their performance
- Team members know what they are responsible for
- Mechanisms exist to identify responsibility and ownership
- Mechanisms exist to request additions, changes, and exceptions
- Responsibilities between teams are predefined or negotiated
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

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

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Executive Sponsorship
- Team members are empowered to take action when outcomes are at risk
- Escalation is encouraged
- Communications are timely, clear, and actionable
- Experimentation is encouraged
- Team members are enabled and encouraged to maintain and grow their skill sets
- Resource teams appropriately
- Diverse opinions are encouraged and sought within and across teams
- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

Answer the question to view the improvement plan.

4. How do you design your workload so that you can understand its state?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Implement application telemetry
- Implement and configure workload telemetry
- Implement user activity telemetry
- Implement dependency telemetry
- Implement transaction traceability
- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

Answer the question to view the improvement plan.

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

Unanswered

Selected choice(s)

-

Not 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
- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

Answer the question to view the improvement plan.

6. How do you mitigate deployment risks?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Plan for unsuccessful changes
- Test and validate changes
- Use deployment management systems
- Test using limited deployments
- Deploy using parallel environments
- Deploy frequent, small, reversible changes
- Fully automate integration and deployment
- Automate testing and rollback
- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

Answer the question to view the improvement plan.

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

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Ensure personnel capability
- Ensure consistent review of operational readiness
- Use runbooks to perform procedures
- Use playbooks to investigate issues
- Make informed decisions to deploy systems and changes
- Enable support plans for production workloads
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

8. How do you understand the health of your workload?

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Identify key performance indicators
- Define workload metrics
- Collect and analyze workload metrics
- Establish workload metrics baselines
- Learn expected patterns of activity for workload
- Alert when workload outcomes are at risk
- Alert when workload anomalies are detected
- Validate the achievement of outcomes and the effectiveness of KPIs and metrics
- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

Answer the question to view the improvement plan.

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

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Identify key performance indicators
- Define operations metrics
- Collect and analyze operations metrics
- Establish operations metrics baselines
- Learn the expected patterns of activity for operations
- Alert when operations outcomes are at risk
- Alert when operations anomalies are detected
- Validate the achievement of outcomes and the effectiveness of KPIs and 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.

10. How do you manage workload and operations events?

Unanswered

Selected choice(s)

-

Not 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 outages
- Communicate status through dashboards
- Automate responses to events
- 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 evolve operations?

Unanswered

Selected choice(s)

-

Not 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
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

Security

Questions answered

11/11

Question status

- High risk: 4
- Medium risk: 6
- No improvements identified: 1
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. How do you securely operate your workload?

High risk

Selected choice(s)

- Separate workloads using accounts
- Secure account root user and properties
- Identify and validate control objectives
- Identify threats and prioritize mitigations using a threat model
- Automate testing and validation of security controls in pipelines
- Evaluate and implement new security services and features regularly

Not selected choice(s)

- Keep up-to-date with security threats
- Keep up-to-date with security recommendations
- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

- Keep up-to-date with security threats
- Keep up-to-date with security recommendations

Ask an expert

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

High risk

Selected choice(s)

- Use strong sign-in mechanisms
- Store and use secrets securely
- Audit and rotate credentials periodically
- Leverage user groups and attributes

Not selected choice(s)

- Use temporary credentials
- Rely on a centralized identity provider
- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

- Use temporary credentials
- Rely on a centralized identity provider

Ask an expert

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

⚠ Medium risk

Selected choice(s)

- Define access requirements
- Grant least privilege access
- Establish emergency access process
- Reduce permissions continuously
- Define permission guardrails for your organization
- Share resources securely with a third party
- Manage access based on life cycle

Not selected choice(s)

- Share resources securely within your organization
- Analyze public and cross-account access
- None of these

Best Practices marked as Not Applicable

-

Notes

-

Improvement plan

- Share resources securely within your organization
- Analyze public and cross-account access

Ask an expert

4. How do you detect and investigate security events?

⚠ Medium risk

Selected choice(s)

- Configure service and application logging
- Analyze logs, findings, and metrics centrally
- Implement actionable security events

Not selected choice(s)

- Automate response to events
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

- Automate response to events

Ask an expert

5. How do you protect your network resources?

⚠ Medium risk

Selected choice(s)

- Create network layers
- Control traffic at all layers

Not selected choice(s)

- Automate network protection
- Implement inspection and protection
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

- Automate network protection
- Implement inspection and protection

Ask an expert

6. How do you protect your compute resources?

⚠ Medium risk

Selected choice(s)

- Perform vulnerability management
- Reduce attack surface
- Enable people to perform actions at a distance
- Validate software integrity

Not selected choice(s)

- Implement managed services
- Automate compute protection
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Implement managed services
- Automate compute protection

Ask an expert

7. How do you classify your data?

⚠ Medium risk

Selected choice(s)

- Identify the data within your workload
- Define data protection controls
- Define data lifecycle management

Not selected choice(s)

- Automate identification and classification
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

- Automate identification and classification

Ask an expert

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

Not selected choice(s)

- Enforce access control
- Use mechanisms to keep people away from data
- 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.

9. How do you protect your data in transit?

⚠ Medium risk

Selected choice(s)

- Implement secure key and certificate management
- Enforce encryption in transit

Not selected choice(s)

- Automate detection of unintended data access
- Authenticate network communications
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Automate detection of unintended data access
- Authenticate network communications

Ask an expert

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

High risk

Selected choice(s)

- None of these

Not selected choice(s)

- Identify key personnel and external resources
- Develop incident management plans
- Prepare forensic capabilities
- Automate containment capability
- Pre-provision access
- Pre-deploy tools
- Run game days

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Identify key personnel and external resources
- Develop incident management plans
- Prepare forensic capabilities
- Automate containment capability
- Pre-provision access
- Pre-deploy tools
- Run game days

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

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

High risk

Selected choice(s)

- Train for application security
- Manual code reviews
- Centralize services for packages and dependencies

Not selected choice(s)

- Perform regular penetration testing
- Deploy software programmatically
- Regularly assess security properties of the pipelines
- Automate testing throughout the development and release lifecycle
- Build a program that embeds security ownership in workload teams
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Perform regular penetration testing
- Deploy software programmatically
- Regularly assess security properties of the pipelines
- Automate testing throughout the development and release lifecycle

11. How do you incorporate and validate the security properties of applications throughout the design, development, and deployment lifecycle?
• Build a program that embeds security ownership in workload teams Ask an expert

Reliability

Questions answered

0/13

Question status

- High risk: 0
- Medium risk: 0
- No improvements identified: 0
- Not Applicable: 0
- Unanswered: 13

Pillar notes

-

1. How do you manage service quotas and constraints?

Unanswered

Selected choice(s)

-

Not 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
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

2. How do you plan your network topology?

Unanswered

Selected choice(s)

-

Not 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
- 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.

3. How do you design your workload service architecture?

Unanswered

Selected choice(s)

-

Not selected choice(s)

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

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

Unanswered

Selected choice(s)

-

Not selected choice(s)

- Identify which kind of distributed system is required
- Implement loosely coupled dependencies
- Make all responses idempotent
- Do constant work
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

Answer the question to view the improvement plan.

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

Unanswered

Selected choice(s)

-

Not 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 services stateless where possible
- Implement emergency levers
- 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 monitor workload resources?

Unanswered

Selected choice(s)

-

Not 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)
- Analytics
- Conduct reviews regularly
- Monitor end-to-end tracing of requests through your system
- 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 design your workload to adapt to changes in demand?

Unanswered

Selected choice(s)

-

Not 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
- 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.

8. How do you implement change?

Unanswered

Selected choice(s)

-

Not 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
- 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.

9. How do you back up data?

Unanswered

Selected choice(s)

-

Not 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
- 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.

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

Unanswered

Selected choice(s)

-

Not 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
- 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 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

-

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

-

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

8/8

Question status

- High risk: 5
- Medium risk: 1
- No improvements identified: 2
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. How do you select the best performing architecture?

⚠ Medium risk

Selected choice(s)

- Understand the available services and resources
- Define a process for architectural choices
- Factor cost requirements into decisions
- Use policies or reference architectures
- Use guidance from your cloud provider or an appropriate partner

Not selected choice(s)

- Benchmark existing workloads
- Load test your workload
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

- Benchmark existing workloads
- Load test your workload

Ask an expert

2. How do you select your compute solution?

High risk

Selected choice(s)

- Evaluate the available compute options
- Understand the available compute configuration options
- Determine the required configuration by right-sizing
- Continually evaluate compute needs based on metrics

Not selected choice(s)

- Collect compute-related metrics
- Use the available elasticity of resources
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Collect compute-related metrics
- Use the available elasticity of resources

Ask an expert

3. How do you select your storage solution?

No improvements identified

Selected choice(s)

- Understand storage characteristics and requirements
- Evaluate available configuration options

Not selected choice(s)

- Make decisions based on access patterns and metrics
- 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 your database solution?

High risk

Selected choice(s)

- Understand data characteristics
- Choose data storage based on access patterns
- Optimize data storage based on access patterns and metrics

Not selected choice(s)

- Evaluate the available options
- Collect and record database performance metrics
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Evaluate the available options
- Collect and record database performance metrics

Ask an expert

5. How do you configure your networking solution?

High risk

Selected choice(s)

- Choose appropriately sized dedicated connectivity or VPN for hybrid workloads
- Optimize network configuration based on metrics

Not selected choice(s)

- Understand how networking impacts performance
- Evaluate available networking features
- Leverage load-balancing and encryption offloading
- Choose network protocols to improve performance
- Choose your workload's location based on network requirements
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

- Understand how networking impacts performance
- Evaluate available networking features
- Leverage load-balancing and encryption offloading
- Choose network protocols to improve performance
- Choose your workload's location based on network requirements

5. How do you configure your networking solution?
Ask an expert

6. How do you evolve your workload to take advantage of new releases?

High risk

Selected choice(s)

- Define a process to improve workload performance
- Evolve workload performance over time

Not selected choice(s)

- Stay up-to-date on new resources and services
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

- Stay up-to-date on new resources and services

Ask an expert

7. How do you monitor your resources to ensure they are performing?

High risk

Selected choice(s)

- Record performance-related metrics

Not selected choice(s)

- Analyze metrics when events or incidents occur
- Establish key performance indicators (KPIs) to measure workload performance
- Use monitoring to generate alarm-based notifications
- Review metrics at regular intervals
- Monitor and alarm proactively
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Analyze metrics when events or incidents occur
- Establish key performance indicators (KPIs) to measure workload performance
- Use monitoring to generate alarm-based notifications
- Review metrics at regular intervals
- Monitor and alarm proactively

7. How do you monitor your resources to ensure they are performing?
Ask an expert

8. How do you use tradeoffs to improve performance?

No improvements identified

Selected choice(s)

- Understand the areas where performance is most critical
- Learn about design patterns and services
- Identify how tradeoffs impact customers and efficiency
- Measure the impact of performance improvements
- Use various performance-related strategies

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.

Cost Optimization

Questions answered

11/11

Question status

- High risk: 8
- Medium risk: 1
- No improvements identified: 2
- Not Applicable: 0
- Unanswered: 0

Pillar notes

-

1. How do you implement cloud financial management?

High risk

Selected choice(s)

- Establish a cost optimization function
- Establish a partnership between finance and technology
- Establish cloud budgets and forecasts
- 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)

- Implement cost awareness in your organizational processes
- Monitor cost proactively
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

- Implement cost awareness in your organizational processes
- Monitor cost proactively

Ask an expert

2. How do you govern usage?

High risk

Selected choice(s)

- Implement cost controls
- Track project lifecycle

Not selected choice(s)

- Develop policies based on your organization requirements
- Implement goals and targets
- Implement an account structure
- Implement groups and roles
- None of these

Best Practices marked as Not Applicable

-

Notes

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Improvement plan

- Develop policies based on your organization requirements
- Implement goals and targets
- Implement an account structure
- Implement groups and roles

Ask an expert

3. How do you monitor usage and cost?

High risk

Selected choice(s)

- None of these

Not 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

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- 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

Ask an expert

4. How do you decommission resources?

High risk

Selected choice(s)

- Decommission resources
- Enforce data retention policies

Not selected choice(s)

- Track resources over their life time
- Implement a decommissioning process
- Decommission resources automatically
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Track resources over their life time
- Implement a decommissioning process
- Decommission resources automatically

Ask an expert

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

High risk

Selected choice(s)

- 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

Not selected choice(s)

- Identify organization requirements for cost
- Perform cost analysis for different usage over time
- Select software with cost effective licensing
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Identify organization requirements for cost
- Perform cost analysis for different usage over time
- Select software with cost effective licensing

Ask an expert

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

High risk

Selected choice(s)

- Select resource type, size, and number based on data

Not selected choice(s)

- Perform cost modeling
- 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

- Perform cost modeling
- Select resource type, size, and number automatically based on metrics

Ask an expert

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

No improvements identified

Selected choice(s)

- Perform pricing model analysis
- Implement Regions based on cost
- Select third party agreements with cost efficient terms

Not selected choice(s)

- Implement pricing models for all components of this workload
- Perform pricing model analysis at the master account level
- 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 plan for data transfer charges?

High risk

Selected choice(s)

- Implement services to reduce data transfer costs

Not selected choice(s)

- Perform data transfer modeling
- Select components to optimize data transfer cost
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Perform data transfer modeling
- Select components to optimize data transfer cost

Ask an expert

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

Not selected choice(s)

- Supply resources dynamically
- 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 evaluate new services?

High risk

Selected choice(s)

- None of these

Not selected choice(s)

- Develop a workload review process
- Review and analyze this workload regularly

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Develop a workload review process
- Review and analyze this workload regularly

Ask an expert

11. How do you evaluate the cost of effort?

⚠ Medium risk

Selected choice(s)

- None of these

Not selected choice(s)

- Perform automations for operations

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Perform automations for operations

Ask an expert

Sustainability

Questions answered

6/6

Question status

- High risk: 0
- Medium risk: 4
- No improvements identified: 2
- 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

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Notes

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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)

- 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)

- Scale workload infrastructure dynamically
- 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

- Scale workload infrastructure dynamically
- 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?

⚠ Medium risk

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

Not selected choice(s)

- Use software patterns and architectures that best support data access and storage patterns
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Use software patterns and architectures that best support data access and storage patterns

Ask an expert

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

⚠ Medium risk

Selected choice(s)

- Remove unneeded or redundant data
- Use shared file systems or storage to access common data
- Minimize data movement across networks
- Back up data only when difficult to recreate
- Use technologies that support data access and storage patterns

Not selected choice(s)

- Implement a data classification policy
- Use policies to manage the lifecycle of your datasets
- Use elasticity and automation to expand block storage or file system
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Implement a data classification policy
- Use policies to manage the lifecycle of your datasets
- Use elasticity and automation to expand block storage or file system

Ask an expert

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?

⚠ Medium risk

Selected choice(s)

- Increase utilization of build environments
- Use managed device farms for testing

Not selected choice(s)

- Adopt methods that can rapidly introduce sustainability improvements
- Keep your workload up-to-date
- None of these

Best Practices marked as Not Applicable

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Notes

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Improvement plan

- Adopt methods that can rapidly introduce sustainability improvements
- Keep your workload up-to-date

Ask an expert