

# **AWS Well-Architected Tool pricing-calc - AWS** Well-Architected Framework Report

AWS Account ID: 793253126640

## AWS Well-Architected Tool Report

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## Workload properties

#### Workload name

pricing-calc

#### **ARN**

arn:aws:wellarchitected:saeast-1:793253126640:workload/094e098089a716c53c1f936d28242a41

#### **Description**

Testando o well-architected para o nosso produdo de preço.

#### **Review owner**

**Guilherme Maas** 

#### **Industry type**

**Financial Services** 

#### **Industry**

Financial Services - Other

#### **Environment**

Pre-production

## **AWS Regions**

South America (São Paulo)

## **Non-AWS regions**

#### **Account IDs**

## **Architectural design**

## Lens overview

## **Questions answered**

24/52

#### Version

AWS Well-Architected Framework, 2nd Jul 2020

Pillar	Questions answered	
Operational Excellence	11/11	
Security	10/10	
Reliability	3/13	
Performance Efficiency	0/8	
Cost Optimization	0/10	

#### **Lens notes**

## Improvement plan

#### Improvement item summary

High risk: 19 Medium risk: 3

Pillar	High risk	Medium risk
Security	7	2
Reliability	3	0
Operational Excellence	9	1
Performance Efficiency	0	0
Cost Optimization	0	0

## High risk

## Security

- SEC 1.How do you securely operate your workload?
- SEC 2. How do you manage identities for people and machines?
- SEC 5. How do you protect your network resources?
- SEC 7. How do you classify your data?
- SEC 8. How do you protect your data at rest?
- SEC 9. How do you protect your data in transit?
- SEC 10. How do you anticipate, respond to, and recover from incidents?

## Reliability

- REL 9. How do you back up data?
- REL 12. How do you test reliability?
- REL 1.How do you manage service quotas and constraints?

## **Operational Excellence**

- OPS 2. How do you structure your organization to support your business outcomes?
- OPS 3. How does your organizational culture support your business outcomes?
- OPS 4. How do you design your workload so that you can understand its state?
- OPS 6.How do you mitigate deployment risks?
- OPS 7. How do you know that you are ready to support a workload?
- OPS 8. How do you understand the health of your workload?
- OPS 9. How do you understand the health of your operations?
- OPS 10. How do you manage workload and operations events?
- OPS 11. How do you evolve operations?

## Performance Efficiency

No improvements identified

## **Cost Optimization**

No improvements identified

## Medium risk

## Security

- SEC 4. How do you detect and investigate security events?
- SEC 6. How do you protect your compute resources?

## Reliability

No improvements identified

## Operational Excellence

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

## Performance Efficiency

No improvements identified

## **Cost Optimization**

No improvements identified

## Lens details

## Operational Excellence

## **Questions answered**

11/11

#### **Question status**

**8** High risk: 9

⚠ Medium risk: 1

❷ No improvements identified: 1

○ Not Applicable: 0

Unanswered: 0

#### Pillar notes

## 1. How do you determine what your priorities are?

#### 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

## Not selected choice(s)

• None of these

#### **Notes**

#### Improvement plan

No risk detected for this question. No action needed.

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

High risk

#### Selected choice(s)

• None of these

#### 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

#### **Notes**

- 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

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

High risk

#### Selected choice(s)

Executive Sponsorship

#### Not selected choice(s)

- 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

#### **Notes**

- 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

- 3. How does your organizational culture support your business outcomes?
  - Diverse opinions are encouraged and sought within and across teams

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

#### Selected choice(s)

Implement user activity telemetry

## Not selected choice(s)

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

#### **Notes**

- Implement application telemetry
- Implement and configure workload telemetry
- Implement dependency telemetry
- Implement transaction traceability

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



♠ Medium risk

#### Selected choice(s)

- Use version control
- Test and validate changes
- Use configuration management systems
- Use build and deployment management systems
- Perform patch management
- Fully automate integration and deployment

#### Not selected choice(s)

- Share design standards
- Implement practices to improve code quality
- Use multiple environments
- Make frequent, small, reversible changes
- None of these

#### **Notes**

- Share design standards
- Implement practices to improve code quality
- Use multiple environments
- Make frequent, small, reversible changes

## 6. How do you mitigate deployment risks?

High risk

#### Selected choice(s)

- Test and validate changes
- Automate testing and rollback

#### Not selected choice(s)

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

#### **Notes**

- Plan for unsuccessful changes
- Use deployment management systems
- Test using limited deployments
- Deploy using parallel environments
- Deploy frequent, small, reversible changes
- Fully automate integration and deployment

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

High risk

#### Selected choice(s)

None of these

#### 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

#### **Notes**

- 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

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

## High risk

#### Selected choice(s)

- Identify key performance indicators
- Define workload metrics

#### Not selected choice(s)

- 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

#### **Notes**

- 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

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

metrics

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

## High risk

#### Selected choice(s)

• Identify key performance indicators

### Not selected choice(s)

- 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

#### **Notes**

- 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

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

• Validate the achievement of outcomes and the effectiveness of KPIs and metrics

## 10. How do you manage workload and operations events?

High risk

#### Selected choice(s)

- Communicate status through dashboards
- Automate responses to events

#### Not selected choice(s)

- Use processes for event, incident, and problem management
- Have a process per alert
- Prioritize operational events based on business impact
- Define escalation paths
- Enable push notifications
- None of these

#### **Notes**

- Use processes for event, incident, and problem management
- Have a process per alert
- Prioritize operational events based on business impact
- Define escalation paths
- Enable push notifications

## 11. How do you evolve operations?

## High risk

#### Selected choice(s)

Have a process for continuous improvement

#### Not selected choice(s)

- 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

#### **Notes**

- 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

## Security

## **Questions answered**

10/10

## **Question status**

**⊗** High risk: 7

⚠ Medium risk: 2

❷ 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 AWS account
- Identify and validate control objectives

#### Not selected choice(s)

- Keep up to date with security threats
- Keep up to date with security recommendations
- Automate testing and validation of security controls in pipelines
- Identify and prioritize risks using a threat model
- Evaluate and implement new security services and features regularly
- None of these

#### **Notes**

- Keep up to date with security threats
- Keep up to date with security recommendations
- Automate testing and validation of security controls in pipelines
- Identify and prioritize risks using a threat model
- Evaluate and implement new security services and features regularly

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

## High risk

#### Selected choice(s)

- Use strong sign-in mechanisms
- Audit and rotate credentials periodically

#### Not selected choice(s)

- Use temporary credentials
- Store and use secrets securely
- Rely on a centralized identity provider
- Leverage user groups and attributes
- None of these

#### **Notes**

- Use temporary credentials
- Store and use secrets securely
- Rely on a centralized identity provider
- Leverage user groups and attributes

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

No improvements identified

#### Selected choice(s)

- Define access requirements
- Grant least privilege access
- Establish emergency access process
- Reduce permissions continuously
- Define permission guardrails for your organization
- Manage access based on life cycle
- Analyze public and cross account access
- Share resources securely

## Not selected choice(s)

None of these

#### **Notes**

#### 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
- Analyze logs, findings, and metrics centrally

### Not selected choice(s)

- Automate response to events
- Implement actionable security events
- None of these

#### **Notes**

- Automate response to events
- Implement actionable security events

## 5. How do you protect your network resources?

High risk

## Selected choice(s)

- Control traffic at all layers
- Automate network protection

## Not selected choice(s)

- Create network layers
- Implement inspection and protection
- None of these

#### **Notes**

- Create network layers
- Implement inspection and protection

## 6. How do you protect your compute resources?

♠ Medium risk

#### Selected choice(s)

- Perform vulnerability management
- Reduce attack surface

#### Not selected choice(s)

- Implement managed services
- Automate compute protection
- Enable people to perform actions at a distance
- Validate software integrity
- None of these

#### **Notes**

- Implement managed services
- Automate compute protection
- Enable people to perform actions at a distance
- Validate software integrity

## 7. How do you classify your data?

High risk

#### Selected choice(s)

None of these

### Not selected choice(s)

- Identify the data within your workload
- Define data protection controls
- Automate identification and classification
- Define data lifecycle management

#### **Notes**

- Identify the data within your workload
- Define data protection controls
- Automate identification and classification
- Define data lifecycle management

## 8. How do you protect your data at rest?

High risk

#### Selected choice(s)

• Implement secure key management

### Not selected choice(s)

- Enforce encryption at rest
- Automate data at rest protection
- Enforce access control
- Use mechanisms to keep people away from data
- None of these

#### **Notes**

- Enforce encryption at rest
- Automate data at rest protection
- Enforce access control
- Use mechanisms to keep people away from data

## 9. How do you protect your data in transit?

High risk

#### Selected choice(s)

None of these

### Not selected choice(s)

- Implement secure key and certificate management
- Enforce encryption in transit
- Automate detection of unintended data access
- Authenticate network communications

#### **Notes**

- Implement secure key and certificate management
- Enforce encryption in transit
- Automate detection of unintended data access
- Authenticate network communications

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

High risk

#### Selected choice(s)

• Run game days

### 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
- None of these

#### **Notes**

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

## Reliability

## **Questions answered**

3/13

## **Question status**

**⊗** High risk: 3

⚠ Medium risk: 0

❷ No improvements identified: 0

○ Not Applicable: 0

Unanswered: 10

#### Pillar notes

## 1. How do you manage service quotas and constraints?

High risk

#### Selected choice(s)

None of these

### 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

#### **Notes**

- 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

# 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

#### **Notes**

## 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

#### **Notes**

## 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

#### **Notes**

## 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

#### **Notes**

#### 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)
- Storage and Analytics
- Conduct reviews regularly
- Monitor end-to-end tracing of requests through your system
- None of these

#### **Notes**

## 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

#### **Notes**

## 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

#### **Notes**

#### Improvement plan

# 9. How do you back up data?

High risk

#### Selected choice(s)

• Identify and back up all data that needs to be backed up, or reproduce the data from sources

#### Not selected choice(s)

- Secure and encrypt backups
- Perform data backup automatically
- Perform periodic recovery of the data to verify backup integrity and processes
- None of these

#### **Notes**

#### Improvement plan

- Secure and encrypt backups
- Perform data backup automatically
- Perform periodic recovery of the data to verify backup integrity and processes

# 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
- Automate recovery for components constrained to a single location
- Use bulkhead architectures
- None of these

#### **Notes**

## 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
- Use static stability to prevent bimodal behavior
- Send notifications when events impact availability
- None of these

#### **Notes**

#### Improvement plan

## 12. How do you test reliability?

High risk

#### Selected choice(s)

• Test resiliency using chaos engineering

#### Not selected choice(s)

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

#### **Notes**

## Improvement plan

- Use playbooks to investigate failures
- Perform post-incident analysis
- Test functional requirements
- Test scaling and performance requirements
- Conduct game days regularly

# 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

#### **Notes**

## Improvement plan

# Performance Efficiency

# **Questions answered**

0/8

## **Question status**

⋈ High risk: 0

⚠ Medium risk: 0

❷ No improvements identified: 0

○ Not Applicable: 0

Unanswered: 8

#### Pillar notes

# 1. How do you select the best performing architecture?

Unanswered

#### Selected choice(s)

#### Not 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
- Benchmark existing workloads
- Load test your workload
- None of these

#### **Notes**

## Improvement plan

# 2. How do you select your compute solution?

Unanswered

#### Selected choice(s)

#### Not selected choice(s)

- Evaluate the available compute options
- Understand the available compute configuration options
- Collect compute-related metrics
- Determine the required configuration by right-sizing
- Use the available elasticity of resources
- Re-evaluate compute needs based on metrics
- None of these

#### **Notes**

#### Improvement plan

# 3. How do you select your storage solution?

Unanswered

#### Selected choice(s)

#### Not selected choice(s)

- Understand storage characteristics and requirements
- Evaluate available configuration options
- Make decisions based on access patterns and metrics
- None of these

#### **Notes**

## Improvement plan

# 4. How do you select your database solution?

Unanswered

#### Selected choice(s)

#### Not selected choice(s)

- Understand data characteristics
- Evaluate the available options
- Collect and record database performance metrics
- Choose data storage based on access patterns
- Optimize data storage based on access patterns and metrics
- None of these

#### **Notes**

## Improvement plan

# 5. How do you configure your networking solution?

Unanswered

#### Selected choice(s)

#### Not selected choice(s)

- Understand how networking impacts performance
- Evaluate available networking features
- Choose appropriately sized dedicated connectivity or VPN for hybrid workloads
- Leverage load-balancing and encryption offloading
- Choose network protocols to improve performance
- Choose your workload's location based on network requirements
- Optimize network configuration based on metrics
- None of these

#### **Notes**

## Improvement plan

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

## Selected choice(s)

## Not selected choice(s)

- Stay up-to-date on new resources and services
- Define a process to improve workload performance
- Evolve workload performance over time
- None of these

#### **Notes**

## Improvement plan

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

Unanswered

# Selected choice(s)

## Not selected choice(s)

- Record performance-related metrics
- 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

#### **Notes**

#### Improvement plan

# 8. How do you use tradeoffs to improve performance?

Unanswered

#### Selected choice(s)

#### Not 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
- None of these

#### **Notes**

#### Improvement plan

# **Cost Optimization**

# **Questions answered**

0/10

## **Question status**

⊗ High risk: 0

⚠ Medium risk: 0

❷ No improvements identified: 0

○ Not Applicable: 0

Unanswered: 10

#### Pillar notes

# 1. How do you implement cloud financial management?

Unanswered

#### Selected choice(s)

#### Not selected choice(s)

- Establish a cost optimization function
- Establish a partnership between finance and technology
- Establish cloud budgets and forecasts
- Implement cost awareness in your organizational processes
- Report and notify on cost optimization
- Monitor cost proactively
- Keep up to date with new service releases
- None of these

#### **Notes**

## Improvement plan

# 2. How do you govern usage?

Unanswered

#### Selected choice(s)

#### Not selected choice(s)

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

#### **Notes**

#### Improvement plan

# 3. How do you monitor usage and cost?

Unanswered

#### Selected choice(s)

#### 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
- None of these

#### **Notes**

#### Improvement plan

# 4. How do you decommission resources?

Unanswered

#### Selected choice(s)

#### Not selected choice(s)

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

#### **Notes**

## Improvement plan

# 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 software with cost effective licensing
- Select components of this workload to optimize cost in line with organization priorities
- Perform cost analysis for different usage over time
- None of these

#### **Notes**

#### 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 and size based on data
- Select resource type and size automatically based on metrics
- None of these

#### **Notes**

## Improvement plan

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

Unanswered

#### Selected choice(s)

#### Not selected choice(s)

- Perform pricing model analysis
- Implement 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 master account level
- None of these

#### **Notes**

## Improvement plan

# 8. How do you plan for data transfer charges?

Unanswered

#### Selected choice(s)

## Not selected choice(s)

- Perform data transfer modeling
- Select components to optimize data transfer cost
- Implement services to reduce data transfer costs
- None of these

#### **Notes**

## Improvement plan

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

Unanswered

#### Selected choice(s)

#### Not selected choice(s)

- Perform an analysis on the workload demand
- Implement a buffer or throttle to manage demand
- Supply resources dynamically
- None of these

#### **Notes**

## Improvement plan

# 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

## **Notes**

## Improvement plan