



# Cloud Conformity Infrastructure Report: AWS Well-Architected Framework

**AWS Account:** Master

Thu Apr 09 2020 17:58:56 GMT+0000 (Coordinated Universal Time)  
AWS Well Architect Framework (1 Account)

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## Summary

1230 Filtered Checks **33%** 396 Failed **67%** 834 Succeeded<sup>#</sup>

Filters applied:

**Standards & Frameworks:** [AWS Well Architected Framework](#)

<sup>#</sup>Compliance Score and percent success metrics are dependent on (1) active / selected filters, (2) data access you have provided on your account(s) or provided to you by your Organisation admin, and (3) controls which Cloud Conformity is able to check for on your cloud infrastructure - this would exclude for example workload across accounts, and organisational processes. Standard and framework control to rule mapping represents the expert opinion of Cloud Conformity and not necessarily that of the standard or framework authority. Rule severities and categories apply to Cloud Conformity's rules and not the controls they are mapped to. Your account(s) compliance with any Framework or Standard should be assessed in conjunction with your own internal review.

# Operational Excellence

## Prepare

ID	Question	Total counts
OPS1	How do you determine what your priorities are?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

ID	Question	Total counts
OPS2	How do you design your workload so that you can understand its state?	<b>FAILURE: 84</b> <b>SUCCESS: 128</b>

Rule	Service	Categories	Risk level	Counts	
CloudFormation Stack Notification	CloudFormation	Security	Medium	<b>FAILURE: 18</b> <b>SUCCESS: 31</b>	<a href="#">Resolve...</a>
CloudTrail Enabled	CloudTrail	Security	High	<b>SUCCESS: 16</b>	
CloudTrail Global Services Enabled	CloudTrail	Security	High	<b>SUCCESS: 1</b>	
CloudTrail Integrated With CloudWatch	CloudTrail	Security	Medium	<b>SUCCESS: 16</b>	
CloudTrail Management Events	CloudTrail	Security	Medium	<b>SUCCESS: 16</b>	
CloudTrail Delivery Failing	CloudTrail	Operational Excellence, Security	Medium	<b>SUCCESS: 16</b>	
CloudTrail Data Events	CloudTrail	Security	Low	<b>FAILURE: 16</b>	<a href="#">Resolve...</a>
CloudTrail Changes Alarm	CloudWatchLogs	Security	Medium	<b>FAILURE: 1</b>	<a href="#">Resolve...</a>
Security Group Changes Alarm	CloudWatchLogs	Security	Medium	<b>FAILURE: 1</b>	<a href="#">Resolve...</a>
Network ACL Changes Alarm	CloudWatchLogs	Security	Medium	<b>FAILURE: 1</b>	<a href="#">Resolve...</a>

Internet Gateway Changes Alarm	CloudWatchLogs	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
VPC Changes Alarm	CloudWatchLogs	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
EC2 Instance Changes Alarm	CloudWatchLogs	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
EC2 Large Instance Changes Alarm	CloudWatchLogs	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
IAM Policy Changes Alarm	CloudWatchLogs	Security	High	FAILURE: 1	<a href="#">Resolve...</a>
AWS Config Changes Alarm	CloudWatchLogs	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
S3 Bucket Changes Alarm	CloudWatchLogs	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
Route Table Changes Alarm	CloudWatchLogs	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
Root Account Usage Alarm	CloudWatchLogs	Security	High	FAILURE: 1	<a href="#">Resolve...</a>
CMK Disabled or Scheduled for Deletion Alarm	CloudWatchLogs	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
AWS Organizations Changes Alarm	CloudWatchLogs	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
AWS Console Sign In Without MFA	CloudWatchLogs	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
AWS Config Enabled	Config	Security	High	SUCCESS: 16	
Config Delivery Failing	Config	Operational Excellence, Security	Medium	SUCCESS: 16	
RDS Event Notifications	RDS	Operational Excellence, Performance Efficiency, Reliability	Low	FAILURE: 16	<a href="#">Resolve...</a>
S3 Bucket Logging Enabled	S3	Security	Medium	FAILURE: 3	<a href="#">Resolve...</a>
VPC Flow Logs Enabled	VPC	Security	Low	FAILURE: 16	<a href="#">Resolve...</a>

ID	Question	Total counts
OPS3	How do you reduce defects, ease remediation, and improve flow into production?	SUCCESS: 34

Rule	Service	Categories	Risk level	Counts
CloudFormation In Use	CloudFormation	Operational Excellence	Low	SUCCESS: 1

AWS Config Enabled	Config	Security	High	SUCCESS: 16
AWS Config Global Resources	Config	Security	Medium	SUCCESS: 1
Config Delivery Failing	Config	Operational Excellence, Security	Medium	SUCCESS: 16

ID	Question	Total counts
OPS4	How do you mitigate deployment risks?	FAILURE: 120 SUCCESS: 80

Rule	Service	Categories	Risk level	Counts	
CloudFormation Stack Notification	CloudFormation	Security	Medium	FAILURE: 18 SUCCESS: 31	<a href="#">Resolve...</a>
CloudFormation Stack Policy	CloudFormation	Security	Medium	FAILURE: 49	<a href="#">Resolve...</a>
CloudFormation In Use	CloudFormation	Operational Excellence	Low	SUCCESS: 1	
Stack Failed Status	CloudFormation	Operational Excellence	Medium	FAILURE: 1 SUCCESS: 48	<a href="#">Resolve...</a>
CloudFormation Stack Termination Protection	CloudFormation	Security	Medium	FAILURE: 49	<a href="#">Resolve...</a>
S3 Bucket Versioning Enabled	S3	Reliability	Low	FAILURE: 3	<a href="#">Resolve...</a>

ID	Question	Total counts
OPS5	How do you know that you are ready to support a workload?	FAILURE: 18 SUCCESS: 48

Rule	Service	Categories	Risk level	Counts	
CloudFormation Stack Notification	CloudFormation	Security	Medium	FAILURE: 18 SUCCESS: 31	<a href="#">Resolve...</a>
AWS CloudWatch Events In Use	CloudWatchEvents	Cost Optimisation, Operational Excellence, Performance Efficiency, Reliability, Security	Medium	SUCCESS: 1	

AWS Config Enabled

Config

Security

High

SUCCESS: 16

# Operate

ID	Question	Total counts
OPS6	How do you understand the health of your workload?	<p>FAILURE: 34</p> <p>SUCCESS: 32</p>

Rule	Service	Categories	Risk level	Counts	
CloudFormation Stack Notification	CloudFormation	Security	Medium	<p>FAILURE: 18</p> <p>SUCCESS: 31</p>	<a href="#">Resolve...</a>
AWS CloudWatch Events In Use	CloudWatchEvents	Cost Optimisation, Operational Excellence, Performance Efficiency, Reliability, Security	Medium	<p>SUCCESS: 1</p>	
RDS Event Notifications	RDS	Operational Excellence, Performance Efficiency, Reliability	Low	<p>FAILURE: 16</p>	<a href="#">Resolve...</a>

ID	Question	Total counts
OPS7	How do you understand the health of your operations?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

ID	Question	Total counts
OPS8	How do you manage workload and operations events?	<p>SUCCESS: 1</p>

Rule	Service	Categories	Risk level	Counts
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AWS CloudWatch Events In Use

CloudWatchEvents

Cost  
Optimisation,  
Operational  
Excellence,  
Performance  
Efficiency,  
Reliability,  
Security

Medium

SUCCESS: 1

## Evolve

ID	Question	Total counts
OPS9	How do you evolve operations?	0

Rule	Service	Categories	Risk level	Counts
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No rule to display

## Security

### Identity and Access Management

ID	Question	Total counts
SEC1	How do you manage credentials and authentication?	<b>FAILURE: 9</b> <b>SUCCESS: 18</b>

Rule	Service	Categories	Risk level	Counts
Console Sign-in Failures Alarm	CloudWatchLogs	Security	Medium	<b>FAILURE: 1</b> <a href="#">Resolve...</a>
Root Account Usage Alarm	CloudWatchLogs	Security	High	<b>FAILURE: 1</b> <a href="#">Resolve...</a>
AWS Console Sign In Without MFA	CloudWatchLogs	Security	Medium	<b>FAILURE: 1</b> <a href="#">Resolve...</a>
Password Policy Minimum Length	IAM	Security	Medium	<b>SUCCESS: 1</b>
Password Policy Present	IAM	Security	High	<b>SUCCESS: 1</b>
Password Policy Lowercase	IAM	Security	Medium	<b>SUCCESS: 1</b>

Password Policy Uppercase	IAM	Security	Medium	SUCCESS: 1	
Password Policy Number	IAM	Security	Medium	SUCCESS: 1	
Password Policy Symbol	IAM	Security	Medium	SUCCESS: 1	
Password Policy Expiration	IAM	Security	Medium	SUCCESS: 1	
Password Policy Reuse Prevention	IAM	Security	Medium	SUCCESS: 1	
Root MFA Enabled	IAM	Security	High	SUCCESS: 1	
Root Account Access Keys Present	IAM	Security	High	SUCCESS: 1	
Account Alternate Contacts (Not Scored)	IAM	Security	High	SUCCESS: 1	
Account Security Challenge Questions (Not Scored)	IAM	Security	High	SUCCESS: 1	
Valid IAM Identity Providers	IAM	Security	High	FAILURE: 1	<a href="#">Resolve...</a>
Root Account Usage <span>Updated</span>	IAM	Security	High	SUCCESS: 1	
Hardware MFA for AWS Root Account	IAM	Security	High	SUCCESS: 1	
Root Account Active Signing Certificates <span>Updated</span>	IAM	Security	High	SUCCESS: 1	
Cross-Account Access Lacks External ID and MFA	IAM	Security	Medium	FAILURE: 1 SUCCESS: 1	<a href="#">Resolve...</a>
AWS Organizations In Use	Organizations	Security	Medium	SUCCESS: 1	
Enable All Features	Organizations	Security	Medium	SUCCESS: 1	
S3 Bucket MFA Delete Enabled	S3	Security	Low	FAILURE: 3	<a href="#">Resolve...</a>
Secrets Manager In Use	SecretsManager	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>

ID	Question	Total counts
SEC2	How do you control human access?	FAILURE: 5 SUCCESS: 24

Rule	Service	Categories	Risk level	Counts
Password Policy Expiration	IAM	Security	Medium	SUCCESS: 1

Password Policy Reuse Prevention	IAM	Security	Medium	SUCCESS: 1	
Root MFA Enabled	IAM	Security	High	SUCCESS: 1	
Valid IAM Identity Providers	IAM	Security	High	FAILURE: 1	<a href="#">Resolve...</a>
Root Account Usage <span>Updated</span>	IAM	Security	High	SUCCESS: 1	
IAM Users Unauthorized to Edit Access Policies	IAM	Security	High	FAILURE: 1	<a href="#">Resolve...</a>
Hardware MFA for AWS Root Account	IAM	Security	High	SUCCESS: 1	
Access Keys During Initial IAM User Setup (Not Scored)	IAM	Security	Medium	SUCCESS: 1	
IAM Policies With Full Administrative Privileges	IAM	Security	High	SUCCESS: 4	
Support Role	IAM	Security	High	SUCCESS: 1	
IAM Role Policy Too Permissive	IAM	Security	Medium	FAILURE: 3 SUCCESS: 13	<a href="#">Resolve...</a>

ID	Question	Total counts
SEC3	How do you control programmatic access?	FAILURE: 7 SUCCESS: 70

Rule	Service	Categories	Risk level	Counts
CloudFormation Stack With IAM Role	CloudFormation	Security	Medium	SUCCESS: 49
Root Account Access Keys Present	IAM	Security	High	SUCCESS: 1
Valid IAM Identity Providers	IAM	Security	High	FAILURE: 1 <a href="#">Resolve...</a>
IAM Users Unauthorized to Edit Access Policies	IAM	Security	High	FAILURE: 1 <a href="#">Resolve...</a>
Access Keys During Initial IAM User Setup (Not Scored)	IAM	Security	Medium	SUCCESS: 1
IAM Policies With Full Administrative Privileges	IAM	Security	High	SUCCESS: 4
Root Account Active Signing Certificates <span>Updated</span>	IAM	Security	High	SUCCESS: 1

IAM Role Policy Too Permissive	IAM	Security	Medium	FAILURE: 3 SUCCESS: 13	<a href="#">Resolve...</a>
Cross-Account Access Lacks External ID and MFA	IAM	Security	Medium	FAILURE: 1 SUCCESS: 1	<a href="#">Resolve...</a>
Secrets Manager In Use	SecretsManager	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>

## Detective Controls

ID	Question	Total counts
SEC4	How do you detect and investigate security events?	FAILURE: 34 SUCCESS: 83

Rule	Service	Categories	Risk level	Counts
CloudTrail Enabled	CloudTrail	Security	High	SUCCESS: 16
CloudTrail Global Services Enabled	CloudTrail	Security	High	SUCCESS: 1
CloudTrail Integrated With CloudWatch	CloudTrail	Security	Medium	SUCCESS: 16
CloudTrail Management Events	CloudTrail	Security	Medium	SUCCESS: 16
AWS Config Enabled	Config	Security	High	SUCCESS: 16
AWS Config Global Resources	Config	Security	Medium	SUCCESS: 1
GuardDuty Enabled	GuardDuty	Security	Medium	SUCCESS: 16
GuardDuty Findings	GuardDuty	Security	Medium	FAILURE: 15 <a href="#">Resolve...</a>
Amazon Macie In Use (Not Scored)	Macie	Security	Medium	SUCCESS: 1
S3 Bucket Logging Enabled	S3	Security	Medium	FAILURE: 3 <a href="#">Resolve...</a>
VPC Flow Logs Enabled	VPC	Security	Low	FAILURE: 16 <a href="#">Resolve...</a>

ID	Question	Total counts
SEC5	How do you defend against emerging security threats?	FAILURE: 16 SUCCESS: 1

Rule	Service	Categories	Risk level	Counts	
GuardDuty Findings	GuardDuty	Security	Medium	FAILURE: 15	<a href="#">Resolve...</a>
Amazon Macie In Use (Not Scored)	Macie	Security	Medium	SUCCESS: 1	
Shield Advanced In Use	Shield	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>

## Infrastructure Protection

ID	Question	Total counts
SEC6	How do you protect your networks?	FAILURE: 66 SUCCESS: 417

Rule	Service	Categories	Risk level	Counts	
CloudFront In Use	CloudFront	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
CloudFormation In Use	CloudFormation	Operational Excellence	Low	SUCCESS: 1	
Security Group Port Range	EC2	Security	Medium	SUCCESS: 16	
Unrestricted SSH Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted RDP Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted Oracle Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted MySQL Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted PostgreSQL Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted DNS Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted MsSQL Access	EC2	Security	Medium	SUCCESS: 16	
Security Group Excessive Counts	EC2	Security	Medium	SUCCESS: 16	
Security Group Large Counts	EC2	Security	Low	SUCCESS: 16	
Security Group Rules Counts	EC2	Performance Efficiency, Security	Low	SUCCESS: 16	

Default Security Group Unrestricted	EC2	Security	Low	FAILURE: 16	<a href="#">Resolve...</a>
SecurityGroup RFC 1918	EC2	Security	Medium	SUCCESS: 16	
Unrestricted Security Group Egress	EC2	Security	Medium	FAILURE: 16	<a href="#">Resolve...</a>
Unrestricted Security Group Ingress	EC2	Security	Medium	SUCCESS: 16	
Unrestricted Telnet Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted SMTP Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted RPC Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted NetBIOS Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted FTP Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted CIFS Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted ICMP Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted MongoDB Access	EC2	Security	Medium	SUCCESS: 16	
Security Group Name Prefixed With 'launch-wizard'	EC2	Security	Low	SUCCESS: 16	
Unrestricted Elasticsearch Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted HTTP Access	EC2	Security	Medium	SUCCESS: 16	
Unrestricted HTTPS Access	EC2	Security	Medium	SUCCESS: 16	
GuardDuty Enabled	GuardDuty	Security	Medium	SUCCESS: 16	
GuardDuty Findings	GuardDuty	Security	Medium	FAILURE: 15	<a href="#">Resolve...</a>
Shield Advanced In Use	Shield	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
Unrestricted Network ACL Inbound Traffic	VPC	Security	Medium	FAILURE: 16	<a href="#">Resolve...</a>
AWS Web Application Firewall In Use	WAF	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>

ID	Question	Total counts
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SEC7	How do you protect your compute resources?				FAILURE: 1	SUCCESS: 18
Rule	Service	Categories	Risk level	Counts		
CloudFormation In Use	CloudFormation	Operational Excellence	Low	SUCCESS: 1		
AWS Config Enabled	Config	Security	High	SUCCESS: 16		
AWS Config Global Resources	Config	Security	Medium	SUCCESS: 1		
Managed NAT Gateway In Use	VPC	Performance Efficiency	Medium	FAILURE: 1	<a href="#">Resolve...</a>	

## Data Protection

ID	Question	Total counts				
SEC8	How do you classify your data?				FAILURE: 100	SUCCESS: 68
Rule	Service	Categories	Risk level	Counts		
CloudFormation In Use	CloudFormation	Operational Excellence	Low	SUCCESS: 1		
EventBus Cross Account Access	CloudWatchEvents	Security	High	SUCCESS: 16		
Event Bus Exposed	CloudWatchEvents	Security	High	SUCCESS: 16		
Amazon Macie In Use (Not Scored)	Macie	Security	Medium	SUCCESS: 1		
Tags	ResourceGroup	Cost Optimisation, Operational Excellence, Performance Efficiency, Reliability, Security	Low	FAILURE: 100	<a href="#">Resolve...</a>	
S3 Bucket Public 'READ' Access	S3	Security	Very High	SUCCESS: 3		
S3 Bucket Public 'READ_ACP' Access	S3	Security	Very High	SUCCESS: 3		

S3 Bucket Public 'WRITE_ACP' Access	S3	Security	Very High	SUCCESS: 3
S3 Bucket Public 'FULL_CONTROL' Access	S3	Security	Very High	SUCCESS: 3
S3 Bucket Authenticated Users 'READ' Access	S3	Security	Very High	SUCCESS: 3
S3 Bucket Authenticated Users 'READ_ACP' Access	S3	Security	Very High	SUCCESS: 3
S3 Bucket Authenticated Users 'WRITE' Access	S3	Security	Very High	SUCCESS: 3
S3 Bucket Authenticated Users 'WRITE_ACP' Access	S3	Security	Very High	SUCCESS: 3
S3 Bucket Authenticated Users 'FULL_CONTROL' Access	S3	Security	Very High	SUCCESS: 3
S3 Bucket Public Access Via Policy	S3	Security	Very High	SUCCESS: 3
S3 Cross Account Access	S3	Security	High	SUCCESS: 2
SNS Topic Exposed	SNS	Security	High	SUCCESS: 1
SNS Cross Account Access	SNS	Security	High	SUCCESS: 1

ID	Question	Total counts
SEC9	How do you protect your data at rest?	<div style="background-color: red; color: white; padding: 2px;">FAILURE: 24</div> <div style="background-color: green; color: white; padding: 2px;">SUCCESS: 2</div>

Rule	Service	Categories	Risk level	Counts	
CloudTrail Logs Encrypted	CloudTrail	Security	Medium	FAILURE: 16	<a href="#">Resolve...</a>
AWS Multi-Account Centralized Management (Not Scored)	IAM	Security	High	SUCCESS: 1	
KMS Customer Master Key (CMK) In Use	KMS	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
Server Side Encryption	S3	Security	Medium	FAILURE: 3	<a href="#">Resolve...</a>
S3 Bucket Default Encryption	S3	Security	Extreme	<div style="background-color: red; color: white; padding: 2px;">FAILURE: 2</div> <div style="background-color: green; color: white; padding: 2px;">SUCCESS: 1</div>	<a href="#">Resolve...</a>
SNS Topic Encrypted	SNS	Security	High	FAILURE: 1	<a href="#">Resolve...</a>

Secrets Manager In Use

SecretsManager

Security

Medium

FAILURE: 1

[Resolve...](#)

ID	Question	Total counts
SEC10	How do you protect your data in transit?	<p>FAILURE: 4</p> <p>SUCCESS: 1</p>

Rule	Service	Categories	Risk level	Counts
Root Account Active Signing Certificates <span>Updated</span>	IAM	Security	High	SUCCESS: 1
KMS Customer Master Key (CMK) In Use	KMS	Security	Medium	FAILURE: 1 <a href="#">Resolve...</a>
Secure Transport <span>Updated</span>	S3	Security	Medium	FAILURE: 3 <a href="#">Resolve...</a>

## Incident Response

ID	Question	Total counts
SEC11	How do you respond to an incident?	FAILURE: 100

Rule	Service	Categories	Risk level	Counts
Tags	ResourceGroup	Cost Optimisation, Operational Excellence, Performance Efficiency, Reliability, Security	Low	FAILURE: 100 <a href="#">Resolve...</a>

## Reliability

## Foundations

ID	Question	Total counts
REL1	How do you manage service limits?	SUCCESS: 48

Rule	Service	Categories	Risk level	Counts
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EC2-Classic Elastic IP Address Limit	EC2	Performance Efficiency	Medium	SUCCESS: 16
EC2-VPC Elastic IP Address Limit	EC2	Performance Efficiency	Medium	SUCCESS: 16
Account Instance Limit	EC2	Performance Efficiency	Medium	SUCCESS: 16

ID	Question	Total counts
REL2	How do you manage your network topology?	FAILURE: 3

Rule	Service	Categories	Risk level	Counts	
CloudFront In Use	CloudFront	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>
Route 53 In Use	Route53	Reliability	Medium	FAILURE: 1	<a href="#">Resolve...</a>
Managed NAT Gateway In Use	VPC	Performance Efficiency	Medium	FAILURE: 1	<a href="#">Resolve...</a>

## Change Management

ID	Question	Total counts
REL3	How does your system adapt to changes in demand?	FAILURE: 1

Rule	Service	Categories	Risk level	Counts	
CloudFront In Use	CloudFront	Security	Medium	FAILURE: 1	<a href="#">Resolve...</a>

ID	Question	Total counts
REL4	How do you monitor your resources?	FAILURE: 16 SUCCESS: 17

Rule	Service	Categories	Risk level	Counts	
CloudTrail Enabled	CloudTrail	Security	High	SUCCESS: 16	
CloudTrail Global Services Enabled	CloudTrail	Security	High	SUCCESS: 1	
VPC Flow Logs Enabled	VPC	Security	Low	FAILURE: 16	<a href="#">Resolve...</a>

ID	Question	Total counts
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REL5	How do you implement change?				FAILURE: 19	SUCCESS: 80
Rule	Service	Categories	Risk level	Counts		
CloudFormation Stack Notification	CloudFormation	Security	Medium	FAILURE: 18	SUCCESS: 31	<a href="#">Resolve...</a>
CloudFormation In Use	CloudFormation	Operational Excellence	Low	SUCCESS: 1		
Stack Failed Status	CloudFormation	Operational Excellence	Medium	FAILURE: 1	SUCCESS: 48	<a href="#">Resolve...</a>

## Failure Management

ID	Question	Total counts
REL6	How do you back up data?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

ID	Question	Total counts
REL7	How does your system withstand component failures?	FAILURE: 1

Rule	Service	Categories	Risk level	Counts	
Managed NAT Gateway In Use	VPC	Performance Efficiency	Medium	FAILURE: 1	<a href="#">Resolve...</a>

ID	Question	Total counts
REL8	How do you test resilience?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

ID	Question	Total counts
REL9	How do you plan for disaster recovery?	SUCCESS: 16

Rule	Service	Categories	Risk level	Counts
AWS Config Enabled	Config	Security	High	<b>SUCCESS: 16</b>

## Performance Efficiency

### Selection

ID	Question	Total counts
PERF1	How do you select the best performing architecture?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

ID	Question	Total counts
PERF2	How do you select your compute solution?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

ID	Question	Total counts
PERF3	How do you select your storage solution?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

ID	Question	Total counts
PERF4	How do you select your database solution?	<b>FAILURE: 16</b>

Rule	Service	Categories	Risk level	Counts
RDS Event Notifications	RDS	Operational Excellence, Performance Efficiency, Reliability	Low	<b>FAILURE: 16</b> <a href="#">Resolve...</a>

ID	Question	Total counts
PERF5	How do you configure your networking solution?	SUCCESS: 32

Rule	Service	Categories	Risk level	Counts
Security Group Large Counts	EC2	Security	Low	SUCCESS: 16
Security Group Rules Counts	EC2	Performance Efficiency, Security	Low	SUCCESS: 16

## Review

ID	Question	Total counts
PERF6	How do you evolve your workload to take advantage of new releases?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

## Monitoring

ID	Question	Total counts
PERF7	How do you monitor your resources to ensure they are performing as expected?	SUCCESS: 1

Rule	Service	Categories	Risk level	Counts
AWS CloudWatch Events In Use	CloudWatchEvents	Cost Optimisation, Operational Excellence, Performance Efficiency, Reliability, Security	Medium	SUCCESS: 1

## Tradeoffs

ID	Question	Total counts
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PERF8	How do you use tradeoffs to improve performance?	<b>FAILURE: 1</b>
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Rule	Service	Categories	Risk level	Counts
CloudFront In Use	CloudFront	Security	Medium	<b>FAILURE: 1</b> <a href="#">Resolve...</a>

## Cost Optimization

## Expenditure Awareness

ID	Question	Total counts
COST1	How do you govern usage?	<b>FAILURE: 105</b> <b>SUCCESS: 21</b>

Rule	Service	Categories	Risk level	Counts
Budget Overrun	Budgets	Cost Optimisation	High	<b>FAILURE: 1</b> <b>SUCCESS: 4</b> <a href="#">Resolve...</a>
Cost Fluctuation	Budgets	Cost Optimisation	High	<b>SUCCESS: 2</b>
Budget Overrun Forecast	Budgets	Cost Optimisation	High	<b>FAILURE: 1</b> <b>SUCCESS: 3</b> <a href="#">Resolve...</a>
Cost Fluctuation Forecast	Budgets	Cost Optimisation	High	<b>SUCCESS: 2</b>
Current Contact Details (Not Scored)	Budgets	Security	Medium	<b>SUCCESS: 1</b>
Detailed billing	Budgets	Cost Optimisation, Security	High	<b>SUCCESS: 1</b>
ElastiCache Nodes Counts	ElastiCache	Security	Medium	<b>SUCCESS: 1</b>
EC2 Instance Counts	EC2	Security	Medium	<b>SUCCESS: 1</b>
EMR Instances Counts	EMR	Security	Medium	<b>SUCCESS: 1</b>
Elasticsearch Instance Counts	Elasticsearch	Security	Medium	<b>SUCCESS: 1</b>
AWS Multi-Account Centralized Management (Not Scored)	IAM	Security	High	<b>SUCCESS: 1</b>

RDS Instance Counts	RDS	Security	Medium	SUCCESS: 1	
Tags	ResourceGroup	Cost Optimisation, Operational Excellence, Performance Efficiency, Reliability, Security	Low	FAILURE: 100	<a href="#">Resolve...</a>
Redshift Nodes Counts	Redshift	Security	Medium	SUCCESS: 1	
S3 Buckets Lifecycle Configuration	S3	Cost Optimisation, Security	Low	FAILURE: 3	<a href="#">Resolve...</a>
WorkSpaces Instances Counts	WorkSpaces	Security	Medium	SUCCESS: 1	

ID	Question	Total counts
COST2	How do you monitor usage and cost?	FAILURE: 102 SUCCESS: 12

Rule	Service	Categories	Risk level	Counts	
Budget Overrun	Budgets	Cost Optimisation	High	FAILURE: 1 SUCCESS: 4	<a href="#">Resolve...</a>
Cost Fluctuation	Budgets	Cost Optimisation	High	SUCCESS: 2	
Budget Overrun Forecast	Budgets	Cost Optimisation	High	FAILURE: 1 SUCCESS: 3	<a href="#">Resolve...</a>
Cost Fluctuation Forecast	Budgets	Cost Optimisation	High	SUCCESS: 2	
Detailed billing	Budgets	Cost Optimisation, Security	High	SUCCESS: 1	
Tags	ResourceGroup	Cost Optimisation, Operational Excellence, Performance Efficiency, Reliability, Security	Low	FAILURE: 100	<a href="#">Resolve...</a>

ID	Question	Total counts
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COST3	How do you decommission resources?	SUCCESS: 16
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Rule	Service	Categories	Risk level	Counts
Unused VPC Internet Gateways	VPC	Performance Efficiency	Low	SUCCESS: 16

## Cost-Effective Resources

ID	Question	Total counts
COST4	How do you evaluate cost when you select services?	FAILURE: 2 SUCCESS: 13

Rule	Service	Categories	Risk level	Counts	
Budget Overrun	Budgets	Cost Optimisation	High	FAILURE: 1 SUCCESS: 4	<a href="#">Resolve...</a>
Cost Fluctuation	Budgets	Cost Optimisation	High	SUCCESS: 2	
Budget Overrun Forecast	Budgets	Cost Optimisation	High	FAILURE: 1 SUCCESS: 3	<a href="#">Resolve...</a>
Cost Fluctuation Forecast	Budgets	Cost Optimisation	High	SUCCESS: 2	
Current Contact Details (Not Scored)	Budgets	Security	Medium	SUCCESS: 1	
Detailed billing	Budgets	Cost Optimisation, Security	High	SUCCESS: 1	

ID	Question	Total counts
COST5	How do you meet cost targets when you select resource type and size?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

ID	Question	Total counts
COST6	How do you use pricing models to reduce cost?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

ID	Question	Total counts
COST7	How do you plan for data transfer charges?	<b>FAILURE: 1</b>

Rule	Service	Categories	Risk level	Counts
CloudFront In Use	CloudFront	Security	Medium	<b>FAILURE: 1</b> <a href="#">Resolve...</a>

## Matching supply and demand

ID	Question	Total counts
COST8	How do you match supply of resources with demand?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				

## Optimizing Over Time

ID	Question	Total counts
COST9	How do you evaluate new services?	0

Rule	Service	Categories	Risk level	Counts
No rule to display				