| | | | 53 Cloud Computing |
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| | | | |
| | | | WorldSkills Occupational Star |
| Section | | | WSOS Marks |
| 1 | Work organization and management | | |
| 2 | Communication and interpersonal skills | | |
| 3 | Problem solving, innovation, and creativity | | |
| 4 | Security | | |
| 5 | Reliability, scalability, and elasticity | | |
| 6 | Performance and optimization | | |
| 7 | Operational considerations | | |
| 8 | Sustainability | | |
| | | | |
| | | | |
| | | | |
| | | | Criteria |
| ID | | | Name |

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|------------------------|--------------------------------------|-------------------|--|---|---------------|
| Α | Cost Optimization | | | | |
| В | Operation Excellence | | | | |
| С | Security | | | | |
| D | Reliability | | | | |
| Е | Performance Efficiency | | | | |
| F | Sustainability | | | | |
| G | Work organization and management | | | | |
| Н | | | | | |
| I | | | | | |
| | | | | | |
| | | | | | |
| Sub Criterion ID | Sub Criterion Name or Description | Day of Marking | Aspect Type M = Meas J = Judg | Aspect - Description | Judg Score |
| A1 | Cost Optimization - Day 1 | 1 | | | |
| | | | М | Is Lifecycle Configuration set for S3 | |
| | | | M M | Does APIGateway has tag Is AWS Batch used | <u> </u> |
| | | | M M | Cost Ratio rate of the solution | |
| A2 | Cost Optimization - Day 2 | 2 | 101 | Sociation rate of the solution | |
| | , | | М | Does ECS utilizes Fargate for running containers | i i |
| | | | М | Does Lambda function has tag | |
| | | | М | Is Lifecycle Configuration set for ECR repository | |
| | | | М | Cost Ratio rate of the solution | <u> </u> |
| | | | | | |

| | I | | | | ı |
|------------------------|---|-------------------|--|---|---------------|
| Sub Criterion ID | Sub Criterion Name or Description | Day of Marking | Aspect Type M = Meas J = Judg | Aspect - Description | Judg Score |
| B1 | Operational Excellence - Day 1 | 1 | | | |
| | | | М | Is EventBridge Configured with Scheduler | |
| | | | М | Has AWS Batch Successfully Executed | |
| | | | М | Is S3 versioning enabled | |
| | | | М | Does VPC Peering exist | |
| | | | М | Is DynamoDB deletion protection is enabled | |
| | | | М | Whether ECR image Tag is imutable | |
| | | | М | Does DynamoDB have tags | |
| | | | М | CodePipeline is created and used successfully | |
| | | ĺ | М | Is ECR endpoint configured | İ |
| | | ĺ | М | Is DynamoDB used? | |
| | | | М | CodeDeploy is created and used successfully | |
| B2 | Operational Excellence - Day 2 | 2 | | | |
| | | ĺ | М | Is S3 versioning enabled | |
| | | ĺ | М | Does VPC has tag | i |
| | İ | | М | Whether ECR image Tag is imutable | |
| | | İ | М | Does Guardduty has tag | |
| | İ | İ | М | Is ECR endpoint configured | |
| | | | М | Is DynamoDB endpoint configured | |
| | i e | İ | М | Is S3 endpoint configured | |
| | | | М | CodePipeline is created and used successfully | |
| | i e | İ | М | CodeBuild is created and used successfully | |
| | i | i e | М | Is DynamoDB used? | i |
| | | i e | М | CodeDeploy is created and used successfully | i |
| | | | М | Is ALB log enabled | |
| | | | М | Whether Kinesis Analysis has tag | |
| В3 | Operational Excellence - Day 3 | 3 | | , , | |
| | , · · · · · · · · · · · · · · · · · · · | i | М | Challenge1 | |
| | | | М | Challenge2 | |
| | | | М | Challenge3 | |
| | | | М | Challenge4 | |
| 4 | | | | | |

| | | | | <u> </u> | 1 . |
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| | | | | | 1 |
| Sub Criterion ID | Sub Criterion Name or Description | Day of Marking | Aspect Type M = Meas J = Judg | Aspect - Description | Judg Score |
| C1 | Security - Day 1 | 1 | | | |
| | | i | М | Is the DynamoDB table encrypted | 1 1 |
| | | | М | Is S3 Encryption enabled | Î î |
| | | | М | Is WAF configured | i i |
| | | | М | Are ECR Resource Policies Being Used | ĺ |
| | | i | М | Is RDS Deletion Protection enabled | Ì |
| | | ĺ | М | Does Codepipeline have approval stage | Ì |
| | | i | М | Is DynamoDB deletion protection is enabled | Ì |
| C2 | Security - Day2 | 2 | | | Ì |
| | | ĺ | М | No inbound rule allow traffic from SSH port in Security Group | Ì |
| | | | М | No inbound rule of Security Group allow traffic from 0.0.0.0/0 | Ì |
| | | ĺ | М | Is S3 encrytion enabled | ĺ |
| | | | М | Is GuardDuty enabled | Ì |
| | | | М | Is Kinesis Data Streams encryption enabled | |
| | | | М | Is RDS Deletion Protection enabled | Ì |
| | | | М | Does Codepipeline have approval stage | |
| | | | М | Is DynamoDB deletion protection is enabled | Ì |
| C3 | Security - Day 3 | 3 | | | |
| | | | М | Challenge5 | Ì |
| | | | М | Challenge6 | |
| | | | М | Challenge7 | |
| | | | М | Complete task3 of Cloud Questing Challenge | |
| | | | | | |
| | | | | | |
| Sub Criterion ID | Sub Criterion Name or Description | Day of Marking | Aspect Type M = Meas J = Judg | Aspect - Description | Judg Score |
| D1 | Reliability - Day 1 | 1 | | | |
| | | | М | Is the DynamoDB table backed up | |

| | T | 1 | M | Ilo V/DC Flouri og engbled | |
|-----------------|---------------------------------|--|----------|---|-------|
| | | | | Is VPC FlowLog enabled | |
| | | ļ | M | Is RDS config logs | |
| | | | М | Whether deletion protection is enabled for DynamoDB table | |
| | | | M | Success Respose Rate (SRR) >= 90% | |
| | | | М | Success Respose Rate (SRR) >= 80% | |
| | | | М | Success Respose Rate (SRR) >= 70% | |
| | | | М | Success Respose Rate (SRR) >= 60% | |
| D2 | Reliability - Day 2 | 2 | | | |
| | | ĺ | М | Is VPC FlowLog enabled | |
| | İ | | М | Is CloudWatch Alarm enabled | Ti Ti |
| | | | М | Is ECS Container Insight enabled | |
| | | İ | М | Whether ECS has AutoScaling Policy (Tasks >= 2) | |
| | i | | М | Is ECS Task Definition logging enabled | |
| | | | М | Whether ECR has policy | |
| | | | М | Success Respose Rate (SRR) >= 90% | |
| | | † | М | Success Respose Rate (SRR) >= 80% | |
| | 1 | | M | Success Respose Rate (SRR) >= 70% | |
| | | 1 | M | Success Respose Rate (SRR) >= 60% | |
| D3 | Reliability - Day 3 | 3 | 141 | I | _ |
| | I Buy 0 | | M | Challenge8 | _ |
| | | 1 | M | Challenge9 | |
| | | 1 | M | Challenge10 | |
| | | 1 | IVI | Challenge 10 | |
| | | | | | |
| | | | Aspect | | |
| Sub | Sub Criterion | Day of | Type | Association | Judg |
| Criterion ID | Name or Description | Marking | M = Meas | Aspect - Description | Score |
| | | | J = Judg | | |
| E1 | Performancre Efficiency - Day 1 | 1 | | | |
| | | | М | Dynamodb capacity mode (On-demand/Provisioned) | |
| | | | М | API Gateway active tracing by X-Ray | |
| | | | М | Is ECS Service Being Used | |
| E2 | Performancre Efficiency - Day 2 | 2 | | İ | i |
| | 1 | İ | М | Is CloudFront in use | |
| | i | i e | М | Is ALB in use | i |
| | | İ | М | API Gateway active tracing by X-Ray | |
| | | | | , | |

| | | | М | Is Kinesis Analysis in use | |
|-----------|---|---------|------------------|--|---------------|
| | | | М | Is Kinesis Data Stream in use | |
| | | | М | Is Kinesis Data Stream provisioned shard = 1 | |
| | | Î | М | DynamoDB TTL is enabled | |
| E3 | Performancre Efficiency - Day 3 | 3 | | | |
| | | ì | М | Challenge11 | |
| | | | М | Challenge12 | |
| | | | М | Finish task2 of Cloud Questing challenge | |
| | | | | | |
| | | | Aspect | | |
| Sub | Sub Criterion | Day of | Type | | Judg |
| Criterion | Name or Description | Marking | M = Meas | Aspect - Description | Score |
| ID | | | J = Judg | | |
| F1 | Sustainability - Day1 | 1 | | | |
| | | | M | Is Parameter Store Intelligent-Tiering enabled | |
| | | | М | Is the backup retention period for the RDS database more than 7 days | |
| F2 | Sustainability - Day2 | 2 | | | |
| | | | М | Is S3 lifecycle enabled | |
| | | | М | Is application running on ECS | |
| | | ĺ | М | Is the backup retention period for the RDS database more than 7 days | |
| | | | М | Is GuardDutyFindingExport enabled | |
| F3 | Sustainability - Day3 | 3 | | | |
| | , , | | М | Finish task1 of Cloud Questing challenge | |
| | | | | | |
| | | | | | |
| Sub | 2.1.2.1. | | Aspect | | |
| Criterion | Sub Criterion | Day of | Type M = Meas | Aspect - Description | Judg Score |
| ID | Name or Description | Marking | J = Judg | | Score |
| G1 | Work organization and management - Day1 | 1 | | | |
| | | | | | |
| | | | М | Overall performance measured by system score board (Well Architecti | na 1) |
| | | | " | January Community of Street Community of Stree | ··• . / |
| | Work arranization and management David | | | | |
| G2 | Work organization and management - Day2 | 2 | | | |

| | | | М | Overall performance measured by system score board (Well Architecting | ng 2) |
|------------------------|---|-------------------|--|---|---------------|
| G3 | Work organization and management - Day3 | 3 | M | Overall performance measured by system score board (Troubleshooting | ng) |
| G4 | Work organization and management - Day3 | 3 | | | |
| | | | М | Overall performance measured by system score board (Cloud Questing | g) |
| | | | | | |
| Sub Criterion ID | Sub Criterion Name or Description | Day of Marking | Aspect Type M = Meas J = Judg | Aspect - Description | Judg Score |
| | | | | | |
| Sub Criterion ID | Sub Criterion Name or Description | Day of Marking | Aspect Type M = Meas J = Judg | Aspect - Description | Judg Score |
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| dards | | | | |
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| | WSOS Marks | Aspect Marks | Variation | |
| | 10.00 | 10.00 | 0.00 | |
| | 10.00 | 10.00 | 0.00 | |
| | 15.00 | 15.00 | 0.00 | |
| | 20.00 | 20.00 | 0.00 | |
| | 15.00 | 15.00 | 0.00 | |
| | 10.00 | 10.00 | 0.00 | |
| | 10.00 | 10.00 | 0.00 | |
| | 10.00 | 10.00 | 0.00 | |
| | Total Va | ariation | 0.00 | |
| | | | | |
| | | | | |
| | | | | |
| | | | Mark | |

| | | | | 8.00 | | |
|---|--------------------------------------|-----------------|-------------------------------------|-------------|-------------|---------------|
| | | | | 22.00 | | |
| | | | | 22.00 | | |
| | | | | | | |
| | | | | 19.00 | | |
| | | | | 11.00 | | |
| | | | | 10.00 | | |
| | | | | 8.00 | | |
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| | | | | | | |
| Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only) | Requirement (Measurement Only) | WSOS Section | Calculation Row (Export only) | Max Mark | Criterion A | Total Mark |
| Ontimire storage costs sutempts data management | Yes/No | 6 | 1 | 0.50 | | |
| Optimize storage costs, automate data management Tags in APIGateway facilitate efficient resource management, | Yes/No Yes/No | 6 | 1 1 | 0.50 | | |
| Dynamically provisioning the optimal quantity and type of com | | 6 | <u> </u> | 1.00 | | |
| Ratio of recommended deployment:Full (2 marks) if .2 <= [Co | | 6 | 2 | 2.00 | | |
| Seamless, scalable, and cost efficient container management | Yes/No | 6 | 1 | 1.00 | | |
| Tags in Lambda functions facilitate efficient resource manager | | 6 | 1 | 0.50 | | |
| Helps reduce costs by automatically deleting unused images | Yes/No | 6 | 1 | 0.50 | | |
| Ratio of recommended deployment:Full (2 marks) if .2 <= [Co | | 6 | 2 | 2.00 | | |
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|--|--------------------------------------|-----------------|-------------------------------------|-------------|-------------|---------------|
| Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only) | Requirement (Measurement Only) | WSOS Section | Calculation Row (Export only) | Max Mark | Criterion B | Total Mark |
| | | | | | | |
| Managing scheduled tasks and event-driven workflows | Yes/No | 7 | 1 | 0.50 | | |
| Efficiently manage batch computing workloads | Yes/No | 7 | 1 | 1.00 | | |
| Enhanced data protection and management capabilities | Yes/No | 7 | 1 | 0.50 | | |
| Create a cohesive and secure network architecture that spans | | 7 | 1 | 1.00 | | |
| Prevents accidental deletion of tables, ensuring data safety ar | Yes/No | 7 | 1 | 0.50 | | |
| Ensure consistency and traceability by preventing changes to | Yes/No | 7 | 1 | 0.50 | | |
| Tags in DynamoDB facilitate efficient resource management, c | Yes/No | 7 | 1 | 0.50 | | |
| Automation of application deployment with CodePipeline | Yes/No | 2 | 1 | 0.50 | | |
| ECR Endpoint is secured and configured | Yes/No | 2 | 1 | 0.50 | | |
| DynamoDB Table is created | Yes/No | 2 | 1 | 0.50 | | |
| Automation of application deployment with CodeDeploy | Yes/No | 2 | 1 | 0.50 | | |
| Protects against accidental data loss | Yes/No | 7 | l 1 | 0.50 | | |
| Tagging a VPC enables better organization, management, and | Yes/No | 7 | 1 | 0.50 | | |
| 99 9 | Yes/No | 7 | 1 | 0.50 | | |
| Enhances organization and visibility, facilitating easier manage | Yes/No | 7 | 1 | 0.50 | | |
| Ensuring efficient, secure, and reliable access to container image | | 7 | 1 | 0.50 | | |
| • | Yes/No | 7 | 1 | 0.50 | | |
| Ensuring efficient, secure, and reliable access to storage resou | Yes/No | 7 | 1 | 0.50 | | |
| Automation of application deployment with CodePipeline | Yes/No | 2 | 1 | 0.50 | | |
| Automation of application deployment with CodeBuild | Yes/No | 2 | 1 | 0.50 | | |
| DynamoDB Table is created | Yes/No | 2 | 1 | 0.50 | | |
| Automation of application deployment with CodeDeploy | Yes/No | 2 | 1 | 0.50 | | |
| Providing valuable insights into traffic patterns, helping to opting | | 7 | 1 | 1.00 | | |
| Enabling cost allocation, resource management, and complian | | 7 | 1 | 1.00 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each add | 0 | 3 | 3 | 2.00 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional complete complete with 0 clues, full (2 marks) deduct 0.5 for each additional complete c | | 3 | 3 | 2.00 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues (2 marks) deduct 0.5 for each additional completed with 0 clues (2 marks) deduct 0.5 for each additional completed with 0 clues (2 marks) deduct 0.5 for each additional completed with 0 clues (2 marks) deduct 0.5 for each additional completed with 0 clues (2 marks) deduct 0.5 for each additional completed with 0 clues (2 marks) deduct 0.5 for each additional completed with 0 clues (2 marks) deduct 0.5 for each additional completed with 0 clues (2 marks) deduct 0.5 for each additional completed with 0 clues (2 marks) deduct 0.5 for each additional completed with 0 clues (2 marks) deduct 0.5 for each additional comple | | 3 | 3 | 2.00 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each additional completed with 0 clues, full (2 marks) deduct 0.5 for each additional complete complete with 0 clues, full (2 marks) deduct 0.5 for each additional complete c | | 3 | 3 | 2.00 | | |
| Completed with a cides, full (2 marks) deduct a.5 for each add | l ^v | | | 2.00 | | |

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| Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only) | Requirement (Measurement Only) | WSOS Section | Calculation Row (Export only) | Max Mark | Criterion C | Total Mark |
| | | | | | | |
| Enhance the security of Dynamodb data transfer | Yes/No | 4 | 1 | 1.00 | | |
| Provides a foundation for secure data storage and manageme | Yes/No | 4 | 1 | 1.00 | | |
| Enhances security by protecting your applications from commo | Yes/No | 4 | 1 | 2.00 | | |
| Secure access to your container images | Yes/No | 4 | 1 | 1.00 | | |
| Prevents accidental deletion of the database, ensuring operati | Yes/No | 4 | 1 | 1.00 | | |
| Enhances control and security by allowing manual verification | Yes/No | 4 | 1 | 0.50 | | |
| Prevents accidental deletion of tables, ensuring data safety ar | Yes/No | 4 | 1 | 0.50 | | |
| | i | i | ĺ | | | |
| Enhances network security by reducing exposure to potential u | Yes/No | 4 | 1 | 1.00 | | |
| Enhances network security by reducing exposure to potential u | Yes/No | 4 | 1 | 1.00 | | |
| Enhances data security by protecting stored objects from unau | Yes/No | 4 | 1 | 1.00 | | |
| Enhances AWS security by continuously monitoring for malicio | Yes/No | 4 | 1 | 1.00 | | |
| Ensures data confidentiality and integrity, safeguarding sensitive | Yes/No | 4 | 1 | 1.00 | | |
| Prevents accidental deletion of the database, ensuring operati | Yes/No | 4 | 1 | 1.00 | | |
| Enhances control and security by allowing manual verification | Yes/No | 4 | 1 | 0.50 | | |
| Prevents accidental deletion of tables, ensuring data safety ar | Yes/No | 4 | 1 | 0.50 | | |
| | | | | | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each add | 0 | 4 | 3 | 2.00 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each add | 0 | 4 | 3 | 2.00 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each add | 0 | 4 | 3 | 2.00 | | |
| Enhance security through advanced measures provided by clo | Yes/No | 2 | 1 | 2.00 | | |
| | | | | | | |
| Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only) | Requirement (Measurement Only) | WSOS Section | Calculation Row (Export only) | Max Mark | Criterion D | Total Mark |
| Ensures data recovery and protection against accidental deleti | Yes/No | 5 | 1 | 1.00 | | |

| Provides detailed visibility into network traffic | Yes/No | 5 | 1 | 1.00 | | |
|---|--------------------------------------|-----------------|--|-------------|-------------|---------------|
| Enhances reliability by enabling continuous monitoring and qui | | 5 | 1 | 1.00 | | |
| Prevents accidental loss of critical data | Yes/No | 5 | 1 | 1.00 | | |
| High SRR improve customer satisfaction | SRR >= 90% | 2 | 4 | 0.50 | | |
| High SRR improve customer satisfaction | SRR >= 80% | 2 | 5 | 0.50 | | |
| High SRR improve customer satisfaction | SRR >= 70% | 2 | 6 | 0.50 | | |
| High SRR improve customer satisfaction | SRR >= 60% | 2 | 7 | 0.50 | | |
| Provides detailed visibility into network traffic | Yes/No | 5 | <u> </u> 1 | 1.00 | | |
| Ensures real-time monitoring and alerts for system reliability | Yes/No | 5 | <u>'</u> 1 | 1.00 | | |
| Allows for detailed monitoring and troubleshooting of container | | 5 | 1 | 1.00 | | |
| Ensures high reliability by maintaining optimal task availability | Yes/No | 5 | 1 | 1.00 | | |
| Ensures effective monitoring and troubleshooting of containeriz | | 5 | 1 | 0.50 | | |
| Ensures reliable management of container image access | Yes/No | 5 | 1 | 0.50 | | |
| <u> </u> | SRR >= 90% | 2 | 4 | 0.50 | | |
| High SRR improve customer satisfaction | | | · | | | |
| High SRR improve customer satisfaction | SRR >= 80% | 2 | 5 | 0.50 | | |
| High SRR improve customer satisfaction | SRR >= 70% | 2 | 6 | 0.50 | | |
| High SRR improve customer satisfaction | SRR >= 60% | 2 | 7 | 0.50 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each add | 0 | 5 | 3 | 2.00 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each add | 0 | 5 | 3 | 2.00 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each add | 0 | 5 | 3 | 2.00 | | |
| | | | | | | |
| Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only) | Requirement (Measurement Only) | WSOS Section | Calculation Row (Export only) | Max Mark | Criterion E | Total Mark |
| Allows for predictable performance with defined throughput | Yes/No | 6 | 1 | 0.50 | | |
| | Yes/No | 6 | l ' l 1 | 0.50 | | |
| | | 6 | <u> </u> | 0.50 | | |
| Automating deployment, scaling, and management of contains | | | | 0.00 | | 1 |
| Automating deployment, scaling, and management of containe | Tes/No | | · · | | | |
| Automating deployment, scaling, and management of containe Caching content closer to users, reducing latency and enhanci | | 6 | 1 | 0.50 | | |
| | Yes/No | | | | | |

| Enabling real-time analysis of streaming data, facilitating timel | | 3 | 1 | 0.50 | | |
|--|--------------------------------------|-----------------|-------------------------------------|-------------|-------------|---------------|
| Enabling real-time ingestion and processing of large-scale dat | | 3 | 1 | 0.50 | | |
| Optimizes performance efficiency by providing cost-effective d | Yes/No | 3 | 1 | 0.50 | | |
| Optimizing storage and improving application performance | Yes/No | 3 | 1 | 0.50 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each add | 0 | 3 | 3 | 2.00 | | |
| Completed with 0 clues, full (2 marks) deduct 0.5 for each add | | 3 | 3 | 2.00 | | |
| Enhances performance efficiency by ensuring reliable execution | | 1 | 1 | 2.00 | | |
| | | <u> </u> | | | | |
| Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only) | Requirement (Measurement Only) | WSOS Section | Calculation Row (Export only) | Max Mark | Criterion F | Total Mark |
| | | | | | | |
| Improves sustainability by automatically optimizing storage co | | 8 | 1 | 1.00 | | |
| Enhances sustainability by ensuring long-term data availability | Yes/No | 8 | 1 | 1.00 | | |
| Reducing storage costs and environmental impact through effi | Yes/No | 8 | 1 | 2.00 | | |
| Reducing server idle time, and minimizing energy consumption | Yes/No | 8 | 1 | 1.00 | | |
| Enhances sustainability by ensuring long-term data availability | Yes/No | 8 | 1 | 1.00 | | |
| Promoting resource conservation through streamlined operation | Yes/No | 8 | 1 | 2.00 | | |
| Promoting efficient operational practices, thereby minimizing e | Yes/No | 8 | 1 | 2.00 | | |
| | | | | | | |
| | | | | | | |
| Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only) | Requirement (Measurement Only) | WSOS Section | Calculation Row (Export only) | Max Mark | Criterion G | Total Mark |
| | | | | | | |
| Player ranking: Full (2 marks) if players ranking 1 to 3 on the score board Half (1 mark) if players ranking 4 to 6 on the score board Partial (0.5 mark) if players ranking 7 to 10 on the scored boar | d | 1 | 8 | 2.00 | | |
| ı | | | | | | |

| Player ranking: Full (2 marks) if players ranking 1 to 3 on the score board Half (1 mark) if players ranking 4 to 6 on the score board Partial (0.5 mark) if players ranking 7 to 10 on the scored board | I | 1 | 8 | 2.00 | | |
|---|--------------------------------------|-----------------|-------------------------------------|-------------|-------------|---------------|
| Player ranking: Full (2 marks) if players ranking 1 to 3 on the score board Half (1 mark) if players ranking 4 to 6 on the score board Partial (0.5 mark) if players ranking 7 to 10 on the scored board | I | 1 | 8 | 2.00 | | |
| Player ranking: Full (2 marks) if players ranking 1 to 3 on the score board Half (1 mark) if players ranking 4 to 6 on the score board Partial (0.5 mark) if players ranking 7 to 10 on the scored board | I | 1 | 8 | 2.00 | | |
| | | <u> </u> | | | | |
| Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only) | Requirement (Measurement Only) | WSOS Section | Calculation Row (Export only) | Max Mark | Criterion H | Total Mark |
| | | | l | | | |
| Extra Aspect Description (Meas or Judg) OR Judgement Score Description (Judg only) | Requirement (Measurement Only) | WSOS Section | Calculation Row (Export only) | Max Mark | Criterion I | Total Mark |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | Competition | Total Mark |



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| Full/Half/Quarter 2 Marks | CHOICE | TRUE | DEDUCTION_TYPE:::#x~x#UNIT#-#CHOICE3_LABEL:::#x~x#Quarter Marks - 2 < [CR] <= 3: |
| Clues Used | CHOICE | TRUE | DEDUCTION_TYPE:::#x~x#UNIT#-#CHOICE3_LABEL:::#x~x#2 clues used#-#CHOICE4_DE |
| SRR >=90% | CHOICE | TRUE | DEDUCTION_TYPE:::#x~x#UNIT#-#CHOICE2_DEDUCTION:::0.50000000#x~x##-#CHOICE |
| SRR >=80% | CHOICE | TRUE | DEDUCTION_TYPE:::#x~x#UNIT#-#CHOICE2_DEDUCTION:::0.50000000#x~x##-#CHOICE |
| SRR >=70% | CHOICE | TRUE | DEDUCTION_TYPE:::#x~x#UNIT#-#CHOICE2_DEDUCTION:::0.50000000#x~x##-#CHOICE |
| SRR >= 60% | CHOICE | TRUE | DEDUCTION_TYPE:::#x~x#UNIT#-#CHOICE2_DEDUCTION:::0.50000000#x~x##-#CHOICE |
| Player Ranking | CHOICE | TRUE | DEDUCTION_TYPE:::#x~x#UNIT#-#CHOICE3_LABEL:::#x~x#Quarter marks if players rank |
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