



Example Customer

Migration Readiness Assessment

Readout & Recommendations

Overview

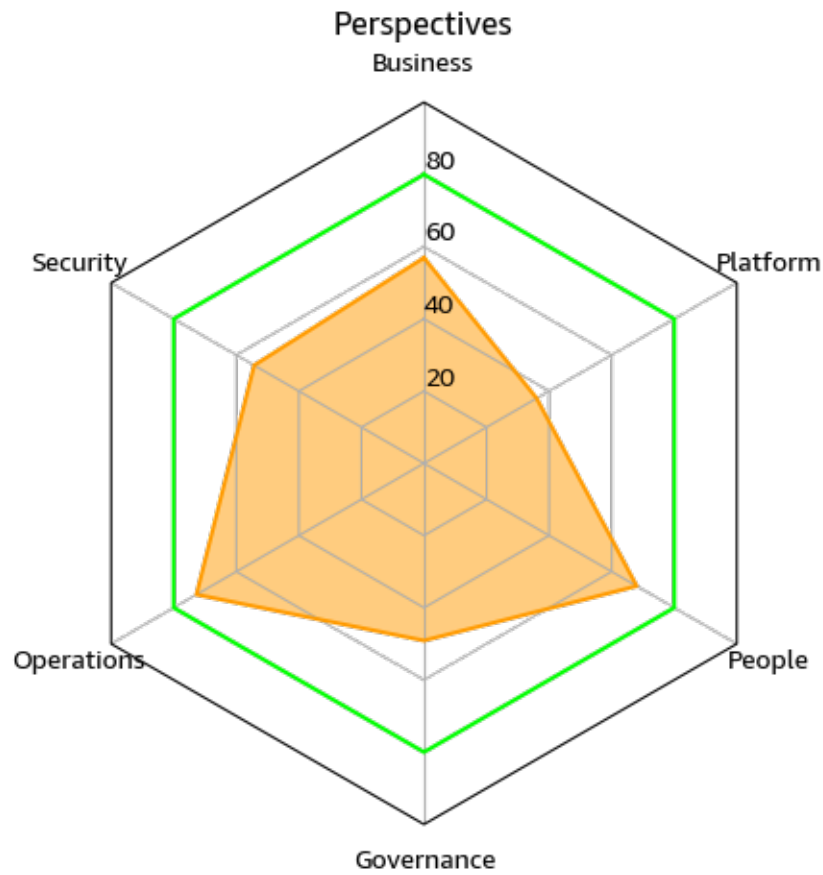
| Customer | Example Customer |
|------------------|--------------------------------|
| Assessment Name | Migration Readiness Assessment |
| Internal Contact | |
| Sponsor Contact | |
| Workshop Date | Jun 01 |
| Readout Date | Jun 08 |
| Last updated at | May 25 |
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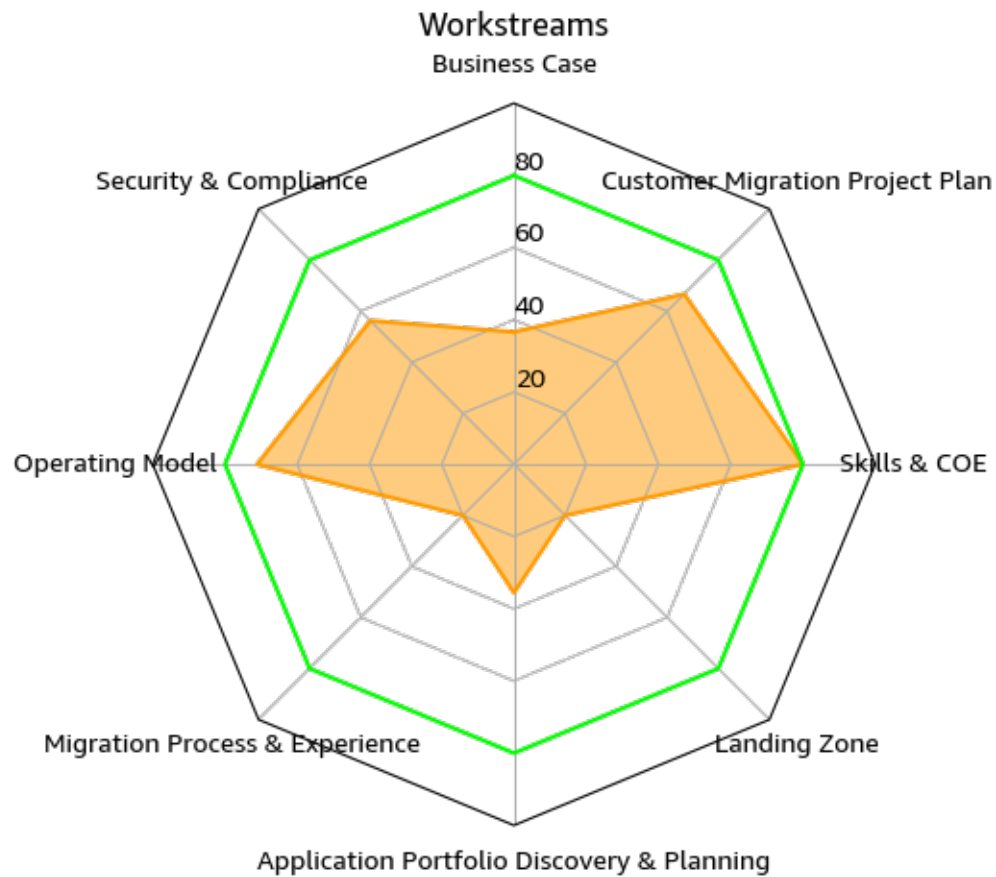
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Radar Chart(s)



AWS – Migration Readiness Assessment – Example Customer



Heatmap

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| Specific Migration Workloads Committed |

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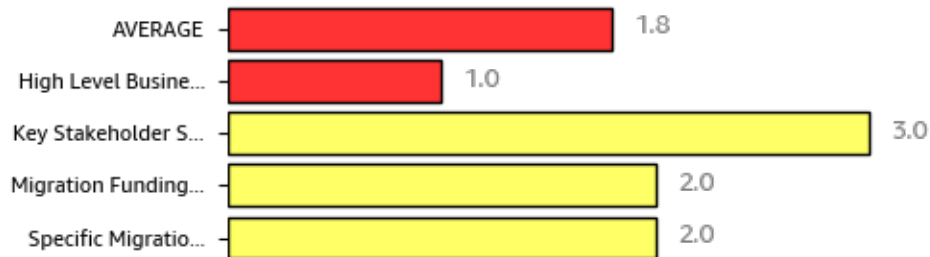
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Scores

Business Case



Customer Migration Project Plan



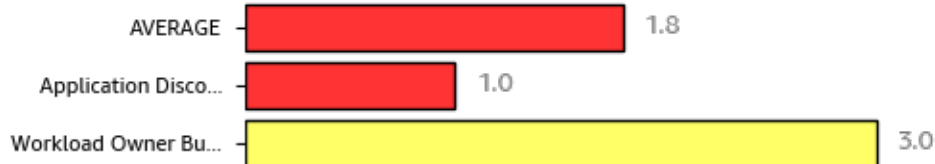
Skills & COE



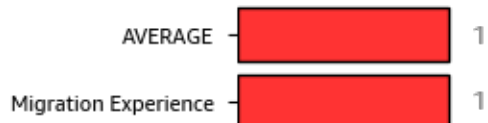
Landing Zone



Application Portfolio Discovery & Planning

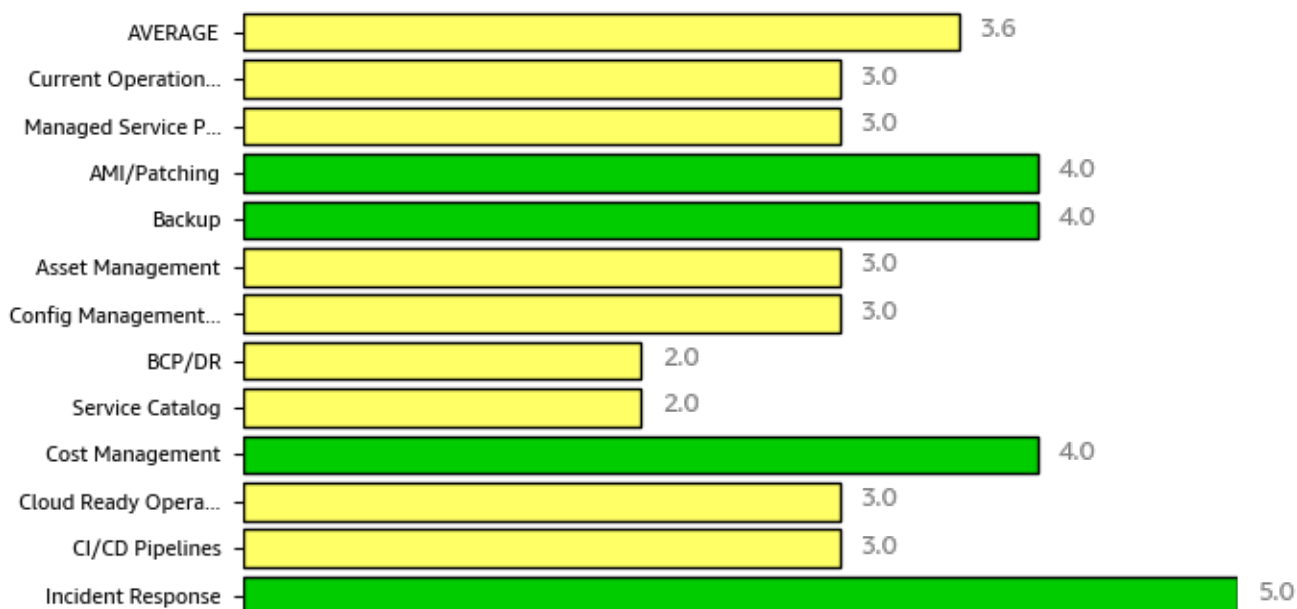


Migration Process & Experience



AWS – Migration Readiness Assessment – Example Customer

Operating Model



Security & Compliance



Details

Business Case

High Level Business Case

Summary Observations:

Recommended Actions:

| Action | Target Date | Owner |
|---|-------------|-------|
| MAP Accelerator: Start "Discovery Acceleration and Planning (DAP)" - Includes infrastructure and application discovery, directional business case with Migration Evaluator, initial wave plan (one to two waves) and optional Microsoft licensing optimization. | | |
| Use Migration Evaluator (ME) to do a quick discovery and build a high-level business case | | |
| Document the strategic vision and value proposition of why cloud and why now so others can buy-in and help deliver the vision | | |

Key Stakeholder Sign-off

Summary Observations:

Recommended Actions:

Migration Funding Commitment

Summary Observations:

Recommended Actions:

Specific Migration Workloads Committed

Summary Observations:

Recommended Actions:

Customer Migration Project Plan

Determine Delivery Model & Approach

Summary Observations:

Recommended Actions:

Project Management Capability

Summary Observations:

Recommended Actions:

Migration Plan

Summary Observations:

Recommended Actions:

Skills & COE

Single Threaded Leader

Summary Observations:

Recommended Actions:

Experience baseline

Summary Observations:

Recommended Actions:

Design or Evolve COE

Summary Observations:

Recommended Actions:

Landing Zone

Account Design & Configuration

Summary Observations:

Recommended Actions:

Application Portfolio Discovery & Planning

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Summary Observations:

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Workload Owner Buy-In or Alignment

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Migration Process & Experience

Migration Experience

Summary Observations:

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Operating Model

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Summary Observations:

Recommended Actions:

Managed Service Provider Identified

Summary Observations:

Recommended Actions:

AMI/Patching

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Recommended Actions:

Backup

Summary Observations:

Recommended Actions:

Asset Management

Summary Observations:

Recommended Actions:

Config Management & Change Management

Summary Observations:

Recommended Actions:

BCP/DR

Summary Observations:

Recommended Actions:

Service Catalog

Summary Observations:

Recommended Actions:

Cost Management

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Recommended Actions:

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Summary Observations:

Recommended Actions:

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Security & Compliance

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Recommended Actions:

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Summary Observations:

Recommended Actions:

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Summary Observations:

Recommended Actions:

Lifecycle Security Capabilities

Summary Observations:

Recommended Actions:

DevSecOps Principles

Summary Observations:

Recommended Actions:

Security Operations Playbook

Summary Observations:

Recommended Actions:

Consolidated Recommended Actions

| Action | Action Priority | Action Effort | Target Date | Owner |
|---|-----------------|---------------|-------------|-------|
| Document the strategic vision and value proposition of why cloud and why now so others can buy-in and help deliver the vision | | | | |
| Use Migration Evaluator (ME) to do a quick discovery and build a high-level business case | | | | |
| MAP Accelerator: Start "Discovery Acceleration and Planning (DAP)" - Includes infrastructure and application discovery, directional business case with Migration Evaluator, initial wave plan (one to two waves) and optional Microsoft licensing optimization. | | | | |

Ratings Responses

Business Case

High Level Business Case

| Question | Response | Comments |
|---|----------|---|
| Do you have a business case that articulates the cloud program objectives around all areas of value, including sustainability improvements? Has the business case been communicated to all leadership stakeholders? | 2 | 2 - Beginning process of developing high-level business case. Verbal commitments have been formally announced and documented. We have just had some internal conversations about creating a high level overview of the costs of running the infrastructure and this should be part of the business case. We don't have visibility on the resource or migration costs |
| Does your IT strategy explicitly state the cloud's role and how it is tied to your business objectives? Where do you want to invest in infrastructure innovation vs. application outcomes? | 1 | 1 - No linkage between business, IT, and cloud strategy. There is no linkage between the business strategy and the cloud but we do have a cloud first strategy in everything we do. We have no specific people assigned to goals |
| Does your business case account for the facility closure(s) and asset liquidation anticipated with going off premises? Is there a plan and owner for this IT infrastructure disposal project? | 1 | 1 - No linkage between workload migration and IT infrastructure or Data Center; no Data Center or IT infrastructure exit plan; no named owner for disposal. We are closing our datacenter in 12 months from now and the plan is being developed. No dedicated owner yet. We have not thought about asset liquidation really. |

Key Stakeholder Sign-off

| Question | Response | Comments |
|--|----------|---|
| Do all your key stakeholders support the business case and the commitment to migration? Example stakeholders: CFO, COO, CISO, and so on. | 3 | 3 - Some key stakeholders have signed off or support the cloud business case. Resources required for migration success are pending request. Stakeholders have approved the strategy and the high level business case. This now needs to be specified in more detail but that is work in progress |

Migration Funding Commitment

| Question | Response | Comments |
|--|----------|--|
| Have you made a funding commitment for your resources and AWS resources to work on migration | 2 | 2 - Beginning discussions of funding commitments, possibly verbal commitments. |

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| or modernization? Has the funding been reviewed by AWS or a partner? | | Funding has not been secured yet and will be approved in different stages throughout the migration. The funding amount has only been reviewed internally. |
|--|--|---|

Specific Migration Workloads Committed

| Question | Response | Comments |
|--|----------|---|
| Have you defined and committed specific workloads for the initiative? Is the scope documented and communicated to all stakeholders? Are there defined first-movers or pilot applications? Do the initial workloads help accelerate attainment of your sustainability objectives? | 2 | 2 - Beginning process of scope identification, informal or no documentation, no communicated efforts. We have an export of our CMDB that shows what we want to migrate as a whole. The applications/workloads still have to be validated |

Customer Migration Project Plan

Determine Delivery Model & Approach

| Question | Response | Comments |
|---|----------|---|
| Have you determined the migration or modernization delivery partner and approach? | 5 | <p>5 - We have determined who will be accountable and responsible for the delivery of the migration (delivery partner, ProServe, internal resources). [Please note the name of accountable party and procurement approach.]</p> <p>We will be doing the migration with internal resources. The current platform team will drive the majority of the migration</p> |

Project Management Capability

| Question | Response | Comments |
|--|----------|--|
| Do you have mature and disciplined project and program management capabilities? What type of project management methodologies do you use (for example, agile, scrum, waterfall)? | 4 | <p>4 - We have high level understanding of agile, scrum, or XP methodologies. Some resources are trained and available to drive work streams.</p> <p>We have high level understanding of agile methodologies and have people that can support with that.</p> |

Migration Plan

| Question | Response | Comments |
|---|----------|---|
| Do you have a detailed cloud migration or modernization plan? Has it been communicated to the impacted workload owners? | 1 | <p>1 - No plan or approach exists.</p> <p>We do not have a plan for the migration at the moment. This definitely needs some work.</p> |

Skills & COE

Single Threaded Leader

| Question | Response | Comments |
|--|----------|---|
| Have you assigned, empowered, and enabled a single-threaded senior leader (STL) to oversee the cloud initiative or program? Have you engaged continuous improvement and organizational change experts to assist the STL with the change? | 5 | 5 - Senior Leader in the organization has been assigned, empowered, and has >30% of their time allocated for leading this initiative. Full accountability and control have been assigned to this individual. Leader has strong backing from the organization, is skilled in organizational change management, and has a strong reputation for delivering transformational projects. |

Experience baseline

| Question | Response | Comments |
|---|----------|---|
| Have you invested in any cloud-native architectures or DevOps practices? Are those responsible for running the services involved in building the service? | 5 | 5 - We have experience in DevOps practices aligned to AWS. In addition, we have experience working with cloud-native architectures such as leveraging AWS Lambda, Amazon DynamoDB, etc. Our teams have experience in DevOps practices aligned to AWS. We have worked with cloud-native architecture before and used some AWS services. |
| Have you identified the cloud skills and competencies to enable resources in your organization? Has a training plan been established and rolled out? Have you conducted a learning needs analysis across your organization as it relates to cloud skills? | 4 | 4 - Training approach and plan have been developed but hasn't been implemented. The training plan has been described but we still have to implement it. |

Design or Evolve COE

| Question | Response | Comments |
|---|----------|--|
| Has a dedicated cloud team been formed with formalized role definitions and strong support and governance from the CIO? Is your cloud team inclusive of the various business and IT views of the company (such as regional representation, line-of-business representation, and so on)? | 5 | 5 - A team has been staffed with strong players. This team will drive the Mobilize activities and help drive change in the organization. We created a team of our most senior players in each business unit that know how to drive activities. They are responsible to drive the migration in their respective units. |

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| Have the roles and responsibilities of operations or other non-CoE teams been clarified or redefined in the cloud context? | 1 | <p>1 - No definition of expectations for non-cloud team members.</p> <p>We are still working on definitions for non-cloud team members</p> |
|--|---|--|

Landing Zone

Account Design & Configuration

| Question | Response | Comments |
|---|----------|--|
| How closely do your current AWS accounts and foundational architecture follow AWS best practices around security, account management/governance, and operations, and align with workloads in scope of this initiative and future growth? Do you use standardized templates for infrastructure services, and manage infrastructure as code with full lifecycle management? | 1 | 1 - No AWS accounts exist. No standards exist. We don't have an account structure as of yet. We don't have any AWS accounts in place at the moment. |

Application Portfolio Discovery & Planning

Application Discovery Data

| Question | Response | Comments |
|--|----------|---|
| Do you have standard architectures? Are they consistently applied to applications and services in your existing environments and AWS? Is there a defined role and individual responsible for enforcing these? | 1 | <p>1 - No standards exist, and there are many architecture variants.</p> <p>We haven't developed a consistent way of managing the architectures per application. If we have them these are for on-premise resources primarily. We do not have a standard at the moment.</p> |
| Do you have documented data flow and integration points for applications in scope? Does this documentation reflect performance, utilization, and dependencies in addition to data flow? | 1 | <p>1 - No documentation exists of the application landscape and interdependencies.</p> <p>We have little to no documentation on the data-flows for each workload. No visibility in the number of users or dependencies unfortunately</p> |
| Do you have an up-to-date and reliable application inventory with accurate metadata on the applications? Where is this information stored and how is it maintained? | 1 | <p>1 - No inventory repositories exist.</p> <p>We do not have an up-to-date and reliable application inventory. Its all various bits a pieces we'll have to pull together from different sources.</p> |
| In order to produce accurate estimates of migration costs, it is important to have good baseline data: Do you have a complete and accurate accounting and configuration data set? Do you have the ability to report and track on all resources deployed in the cloud? | 2 | <p>2 - Manually collected application or infrastructure data exists. The data is manually updated, and accuracy cannot be verified.</p> <p>We track our resources in the CMDB manually.</p> |
| Do you have a DB migration and modernization strategy that accounts for your existing vendor relationships and licensing agreements? Is your IT spend for DB activities well understood and in line with expectations? | 1 | <p>1 - Unclear DB portfolio or strategy, ownership of relationships unknown.</p> <p>We do not have a modernization strategy and we have some work to do to figure out what we are spending and what licenses we are using for our database activities let alone modernize them.</p> |
| Do you have an application migration and modernization strategy that accounts for the rearchitecting of monolithic, legacy, or self-managed applications? Is there a re-architecture strategy in place to leverage modern cloud native paradigms such as server-less to improve agility / lower costs? Are | 1 | <p>1 - Unclear application strategy, ownership of relationships unknown.</p> <p>Applications are generally categorized. We have SLA's on them but have not done an OLA. We currently do not know who the owners are for each application and but they should be able to tell us more about the strategy for their applications.</p> |

AWS – Migration Readiness Assessment – Example Customer

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|---|--|--|
| there any significant/foundational tech decisions/changes that are currently under consideration? | | |
|---|--|--|

Workload Owner Buy-In or Alignment

| Question | Response | Comments |
|---|----------|---|
| Is your IT organization run as a federation of groups or as a centralized organization? The more distributed it is, the more difficult migration coordination will be, assuming the scope spans these distributed groups. | 5 | 5 - Strong governance and centralized control over scope of migration workloads. We have distributed governance where each business unit has the primary responsibility of their workload. We have strong governance and centralized control over the scope of the migration workloads |
| Have you identified the owners of workloads targeted for cloud migration or modernization, and are there clear lines of accountability and responsibility for those owners? Have those owners been bought in to the migration program? | 2 | 2 - Workload owners have been identified but not engaged. We know who the application owners are and they are aware of the migration program and its goals. They still need to commit to the migration though |
| Have you communicated the migration/modernization goals and the corresponding benefits, priorities, and timeline to the entire organization? Have you defined performance goals for leaders who are involved in the cloud transformation? Have you cascaded these performance goals to the managers of your organization? | 2 | 2 - Communication plan is being developed for the cloud program. Only members of the CoE or cloud program are aware of efforts and cloud vision. We still need to communicate with the organisation. The COE members are well aware of the goals and timelines. |

Migration Process & Experience

Migration Experience

| Question | Response | Comments |
|--|----------|--|
| Do you have experience migrating or modernizing workloads in the cloud? Have you leveraged automated migration tools such as MGN? | 1 | 1 - No application migration experience. We have played around with AWS services but we don't have any hands-on migration experience in our team. |

Operating Model

Current Operations Model

| Question | Response | Comments |
|--|----------|---|
| Do your infrastructure, applications and services have well-defined SLAs and OLAs? Have you examined support options and selected an AWS or third-party support option that considers your tolerance for downtime and vendor responsiveness? | 3 | 3 - Applications are mostly categorized into broad tiers but not tied to SLAs or OLAs. We have high level understanding of agile methodologies and have people that can support with that. |

Managed Service Provider Identified

| Question | Response | Comments |
|--|----------|---|
| Do you have one or more managed service providers who handle the workloads in scope for migration or modernization? What is their current role -- application operator and infrastructure operations? Is it clear what their roles will be post migration? Is there a desire to alter the insourcing/outsourcing philosophy? | 3 | 3 - Potential providers have been identified but no contract in place. We know what we want to migrate and are looking considering a change to our operating model. We are talking to some parties that can operate the environment. |

AMI/Patching

| Question | Response | Comments |
|---|----------|--|
| Do you currently have automated patching capabilities? Do you have a patching approach tailored to managing instances in AWS? | 4 | 4 - Some automated patching processes are in place. Review and approval of patching process changes to include AWS automation are pending. We currently use our on-premise solution to patch servers. An agent resides on each server and give us the capability to patch. This might be replace by AWS |

Backup

| Question | Response | Comments |
|----------|----------|----------|
|----------|----------|----------|

AWS – Migration Readiness Assessment – Example Customer

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|---|---|---|
| Have your backup processes been tailored to take advantage of AWS storage services (such as Amazon S3)? | 4 | <p>4 - Backup approach has been evaluated to take advantage of AWS storage service offerings (for example, leveraging S3 One Zone-Infrequent Access or S3 Glacier for backing up databases).</p> <p>Backup approach has been evaluated and we are planning to use AWS storage services. We know what we need to do once the workloads are in AWS. We will move a way from the on-premise backup solution we have now.</p> |
|---|---|---|

Asset Management

| Question | Response | Comments |
|--|----------|---|
| If you use an IT Service Management tool such as ServiceNow, do you have an integration strategy defined with AWS services? | 4 | <p>4 - Assets, incidents, change requests, and provisioning capabilities are reportable but not integrated with ITSM tooling.</p> <p>Assets, Incidents, Change Requests, and Provisioning capabilities are reportable but not integrated with ITSM tooling.</p> |
| Do you have a tagging strategy (allocating the cost for each line of business) defined and enforced for AWS resources? Do you understand how it helps control and monitor AWS spend? | 3 | <p>3 - Some tagging enforcement is present but is applied manually.</p> <p>We have a tagging strategy in place. Tags are applied manually</p> |

Config Management & Change Management

| Question | Response | Comments |
|---|----------|---|
| Have your change and configuration management processes been adjusted for cloud infrastructure and applications (for example, usage of Amazon Machine Images (AMIs) and golden AMIs)? | 3 | <p>3 - Review and evaluation of configuration and change management processes to support AWS capabilities.</p> <p>We are updating our change & configuration management processes to use AWS services. We have seen what the benefits of these services are</p> |
| Do you have a code deployment policy tailored to AWS application stacks (for example, a CI/CD pipeline tailored to AWS)? | 4 | <p>4 - Code deployment process is mostly automated and standardized but might not involve deployment tooling standardization.</p> <p>Code deployment process is mostly automated and standardized but may not involve deployment tooling standardization.</p> |

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BCP/DR

| Question | Response | Comments |
|--|----------|---|
| Has your business continuity plan been adjusted or enhanced to account for cloud capabilities? | 2 | 2 - Considerations and discussion of a BCP/DR approach are in process. We are translating our current plan to utilize AWS services |

Service Catalog

| Question | Response | Comments |
|---|----------|--|
| Do you leverage code to instantiate standard architectures? Do you have a service catalog that allows users to see and request service offerings? Is your infrastructure managed through coding or scripting frameworks? Are your configuration management systems updated as changes occur in the environment? | 2 | 2 - Standard architectures are in place but manually deployed. We have a default template when we role out applications on premises but not for the cloud. These are manually deployed when we onboard a new workload |

Cost Management

| Question | Response | Comments |
|---|----------|---|
| How will you allocate and manage cloud costs? Will it be through centralized billing, or bill back or show back to application teams? What is your current practice for on-premises systems? | 5 | 5 - AWS cost allocation approach has been defined. Tagging taxonomy has been established with ability to report or charge back to workload owners their bill for AWS usage. We have one centralised account where all cost will be handled. We identify the costs centers based on tags so we know who to charge back to. This is in line with our shared service center operating model |
| Are your cost reporting requirements defined and documented? Do AWS run costs need to be ingested into your accounting and cost reporting systems? Are requirements for financial governance (allocation, chargeback, showback) documented? | 5 | 5 - Actual costs are fully charged back to individual teams that generate the costs. We have a solid financial governance structure due to our experience as a shared service center. Accounting has been working like this for many years now. We charge business units based on their consumption and give them visibility |
| How familiar are you with the controls that need to be in place with your local team to control and monitor your AWS spend? What is your local teams' level of cloud | 3 | 3 - We have designed training and guidance but we have not implemented it. We are looking to educate business units on how to optimise spend on AWS. No formal plan is in place though |

AWS – Migration Readiness Assessment – Example Customer

| | | |
|-----------------------------------|--|--|
| finance and economics experience? | | |
|-----------------------------------|--|--|

Cloud Ready Operational Processes & Run Books

| Question | Response | Comments |
|---|----------|---|
| Do you have well-documented operational processes and runbooks? Have your operational processes and runbooks been tailored to AWS? | 4 | <p>4 - Some operational processes have been redesigned or created to take advantage of the automation opportunities provided by AWS.</p> <p>We have documented and redesigned some of our operational processes to work with AWS automation solution. This still needs some fine tuning but we are fairly confident in this area.</p> |
| Do you test your operational capabilities at a regular cadence to ensure that people, processes, and tools are being tailored to AWS (chaos testing)? | 3 | <p>3 - Some operational testing processes have been created to take advantage of automation opportunities provided by AWS.</p> <p>We test our operational processes and we tailored some to use AWS capabilities.</p> |

CI/CD Pipelines

| Question | Response | Comments |
|---|----------|--|
| Do you apply CI/CD or application lifecycle management (ALM) practices across the application portfolio? Do you have DevOps capabilities and automated deployment and/or automated builds? How are these releases integrated with your change management process? | 3 | <p>3 - DevOps culture is understood but not widely practices. CI/CD or automated builds and deployment benefits are widely understood.</p> <p>We apply DevOps to some of our application. We do not apply this consistently due to our large variety of applications</p> |
| Do you have automated unit or product testing across key applications or critical functionality? | 4 | <p>4 - Low unit test code coverage on applications in scope for migration (between 35-70%).</p> <p>We have dedicated teams for unit code testing development. This is only for half of our applications</p> |

Incident Response

| Question | Response | Comments |
|--|----------|---|
| Have your incident and problem management processes been | 5 | 5 - Incident and problem management processes revised to make use of AWS capabilities such as Amazon CloudWatch |

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adjusted for infrastructure and services running in the cloud?

or AWS CloudTrail. This could mean integrating CloudWatch into Remedy or other incident management tools.

Security & Compliance

Security Strategy

| Question | Response | Comments |
|---|----------|--|
| Have your security policies been updated to accommodate the usage of AWS, and are they aligned to the operating model? | 1 | 1 - Security policies and responsibilities do not make allowances for the use of the cloud. We still have a lot of work to do in this area |
| Has your security leadership (CISO or equivalent) signed off on AWS adoption, and have they provided input to migration/modernization discussions? | 5 | 5 - Senior security leadership such as the CISO are supportive and a strong sponsor of the cloud program. Yes we have strong support from the CISO for AWS adoption. His team is very involved in the program. |
| Do you have clearly defined security, risk, and compliance (SRC) governance guiding principles to oversee the implementation of the cloud strategy? | 4 | 4 - Yes, we have clearly defined guiding principles that provide the high scope and considerations for secure cloud adoption. Yes, we have clearly defined guiding principles that provide the high scope and considerations for secure cloud adoption |
| Has your infrastructure security approach been modified for AWS? This includes creating custom templates to configure AWS services to meet requirements, implementing security architecture patterns and security operations plays as code, crafting custom security solutions from AWS services, using patch management strategies like blue/green deployments, reducing the exposed attack surface, and validating the efficacy of deployments. | 2 | 2 - Some infrastructure security approaches have been evaluated throughout various departments or groups. No discussion to standardize on methods or tools. We have discussed some of our security approaches throughout various departments and groups but we are still discussing how we can standardize on methods or tool |

Security Reference Architecture

| Question | Response | Comments |
|---|----------|---|
| Have your identity and access management approach and integration been completed with AWS accounts? This would include entitlement mapping/grants/audit, secret material management, enforcing separation of duties and least privilege access, just-in-time privilege management, and reducing | 3 | 3 - Evaluation of identity and access management approach and integration with AWS accounts and services is in process. We are still evaluating the best approach for Identity and Access Management. This is work in progress |

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reliance on long-term credentials.

3rd Party Risk

| Question | Response | Comments |
|--|----------|---|
| Security-sensitive customers often have a third-party risk assessment process to practice continuous due diligence on their information supply chain. Do you have third-party risk certifications? If so, has AWS been verified as a supplier? | 3 | <p>3 - Workloads requiring third-party risk assessment activities have been identified.</p> <p>We know which workloads require assessments and we have a third party that audits us yearly. We do not hold certificates at the moment. AWS is indeed verified as a supplier</p> |

Governance, Risk & Compliance

| Question | Response | Comments |
|---|----------|--|
| Control framework mapping (assurance framework and security requirements) helps you gain a better understanding of security capabilities provided by AWS. Do you understand control framework mapping and the shared responsibility model per AWS documentation and services? | 1 | <p>1 - No understanding of AWS control framework.</p> <p>We haven't heard of the AWS Control Framework before.</p> |
| Do you have a risk framework such as the NIST CSF or ISO 31000:2018 that you are applying to your cloud adoption (processes associated with Security Steering Committee, IT Governance Board, etc.)? Are there any gaps in oversight? | 2 | <p>2 - Not sure.</p> <p>We don't have a risk framework at the moment i think</p> |
| Is the organization's business environment well understood, prioritized, and incorporating security risk to critical functions and dependencies for delivery of services? | 1 | <p>1 - Organization's business environment has considered critical services, although it might not have all dependencies understood to ensure uninterrupted delivery.</p> |
| Are you able to adjust the SRC risk appetite and SRC risk tolerance levels for your cloud initiative(s) to meet your business goals? Can you share the methodology for adjusting risk tolerance? | 2 | <p>2 - Risk tolerance is applied through discussion on a case-by-case basis or as a reaction to mitigation efforts that have escalated.</p> <p>Risk tolerance is applied through discussion on a case-by-case basis or as a reaction to mitigation efforts which have escalated.</p> |

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| Do you currently leverage a framework/methodology to evaluate criteria such as policy, regulation, and performance to make decisions? | 2 | 2 - Decision system identifies key stakeholders for input but has inconsistent criteria. Decision system identifies key stakeholders for input but has inconsistent criteria. |
|---|---|--|

Logging & Monitoring

| Question | Response | Comments |
|--|----------|---|
| Do your performance and operational health dashboards include cloud-based infrastructure and applications? Which tools or capabilities exist for logging, aggregating logs, and log analysis? Which tools are used for monitoring and performance management? Do you utilize any synthetic transactions and monitoring capabilities? | 4 | 4 - Logging and monitoring tools and process integration testing of leveraging CloudWatch and CloudTrail are in process or under review for approval. We currently log everything in Splunk. Ideally we would want AWS data to go in there as well so the internal processes don't have to change. As mentioned we have CloudWatch and CloudTrail configured |

Lifecycle Security Capabilities

| Question | Response | Comments |
|--|----------|---|
| How do you currently control ingress/egress from your corporate network, and do you use any network appliances? | 4 | 4 - Yes, we have a security stack at the edge that inspects traffic at the network, transport, and application layers, and we also have web application filtering and DDoS mitigation protection. We have a firewall that monitors ingress and egress traffic on our corporate network and we perform application level filtering. We have just renewed the contract |
| Have you determined how to leverage the encryption in transit and encryption at rest capabilities of AWS? Will AES-256 satisfy your encryption at rest requirements? | 4 | 4 - We have evaluated data protection mechanisms available within AWS. Implementation plan is actively being developed or deployed within the current environment. The security team is doing some ground work to get this up and they are building a plan |

DevSecOps Principles

| Question | Response | Comments |
|--|----------|--|
| Are your security capabilities automatically implemented through | 4 | 4 - Security by design approach is actively being developed or implemented into AWS. |

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|-------------------------------------|--|---|
| automation and DevOps capabilities? | | The idea is to have as much automated as possible. This is the work that the security team is doing and they have implemented some things already |
|-------------------------------------|--|---|

Security Operations Playbook

| Question | Response | Comments |
|--|----------|---|
| Are your cloud security operations and processes tested? | 3 | 3 - Development of cloud security testing and validation is currently in process. Yes, the development of cloud security testing and validation is in progress |

Text Responses

| # | Question | Response | Comments |
|---|---|----------|----------|
| 1 | Describe the scope for this MRA. What is being considered in scope and what is out of scope? | | |
| 2 | What are the organization's target outcomes (business and/or IT) that are in focus for this cloud initiative? What are the primary drivers of these objectives? | | |
| 3 | How many servers and applications are in scope of this initiative? | | |
| 4 | Do you have workloads that require specific security architecture considerations (for example, PCI, SOC2, NIST, HITRUST, FedRAMP High, CJIS, ITAR, EAR, or others)? | | |
| 5 | Are there application requirements (fault tolerance, performance, resiliency, DR,etc.) that require Multi-AZ or multi-Region architectures? | | |
| 6 | What tools do you use for project management? Specifically, is Jira or Confluence in use, and which teams have been onboarded? Has the Draw.io plugin been activated? | | |

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|----|---|--|--|
| 7 | Are mainframe/AS400(IBM I) workloads in scope or potentially in scope? (Additional questions in Optional section) | | |
| 8 | Are VMware Cloud workloads being considered as part of this migration? (Additional questions in Optional section) | | |
| 9 | Is storage being considered as part of this migration? (Additional questions in Optional section) | | |
| 10 | Are Microsoft workloads being considered as part of this migration? (Additional questions in Optional section) | | |
| 11 | Is network transformation being considered as part of this migration? (Additional questions in Optional section) | | |
| 12 | Are databases being considered as part of this migration? (Additional questions in Optional section) | | |
| 13 | Are on-premise appliances considered in order to meet one of the following requirements : low latency, local processing needs for technical reasons such as data gravity, or data residency? (Additional questions in Optional section) | | |

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| | section) | | |
| 14 | Are SAP workloads being considered as part of this migration? (Additional questions in Optional Section) | | |
| 15 | Are there applications that are part of this migration effort with legacy characteristics that may prevent you from fully leveraging cloud benefits post migration? (Additional questions in Optional Section) | | |
| 16 | Are there applications that are part of this migration effort which you sell to other parties that you plan on evolving your licensing model for (eg perpetual to subscription)? (Additional questions in Optional Section) | | |
| 17 | Describe the current strategy, mandate for cloud, and level of commitment and communication (for example, is there a time-based specific value driver, pending datacenter closure, publicly communicated objective, sustainability target, or others?) | | |
| 18 | What is the scope and intent of this initiative (for example, lines of business, regions, application types, | | |

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| | and/or intent to learn, test, pilot, or accelerate at scale)? | | |
| 19 | Are there any friction points concerning enterprise, technology, applications, process, or people which may potentially stall this initiative? | | |
| 20 | Are there aspects of your organization and culture which you think will help move this initiative forward? | | |
| 21 | Do you have a defined target to shift the operating model for infrastructure, operating systems, or platforms in this move to cloud? | | |
| 22 | Who are the members of the current cloud team? What are their roles, responsibilities, and authorities? Does your cloud team have a strong mix of different perspectives? | | |

Optional Question Responses

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