AWS Cloud Adoption Readiness Assessment Report

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About this Report

Thank you for taking the AWS Cloud Adoption Readiness Tool (CART) assessment. This tool was produced by the AWS Professional Services team using proven frameworks and principals that have helped thousands of customers successfully plan their AWS cloud migrations.

This report helps you understand your cloud adoption and migration readiness scores for each AWS Cloud Adoption Framework (CAF) perspective. It offers additional resources you can use to improve your organization's readiness. A summary of your cloud adoption readiness scores is shown in a heatmap and radar chart, so you can share your organization's results with stakeholders.

Important: This CART report is not a definitive measure of your cloud readiness. Rather, it is a guide to help you improve cloud migration planning.

Summary of Your Cloud Adoption Readiness Scores

The chart below shows your organization's cloud readiness scores across the six AWS Cloud Adoption Framework (CAF) perspectives, based on the answers you provided for survey questions. Learn more about CAF.

Green: Scores in green indicate that you met the levels of readiness commonly found with successful AWS migrations.

Yellow: Scores in yellow indicate that additional prep-work is recommended. Additional resources to help address areas for improvement are provided in this report.
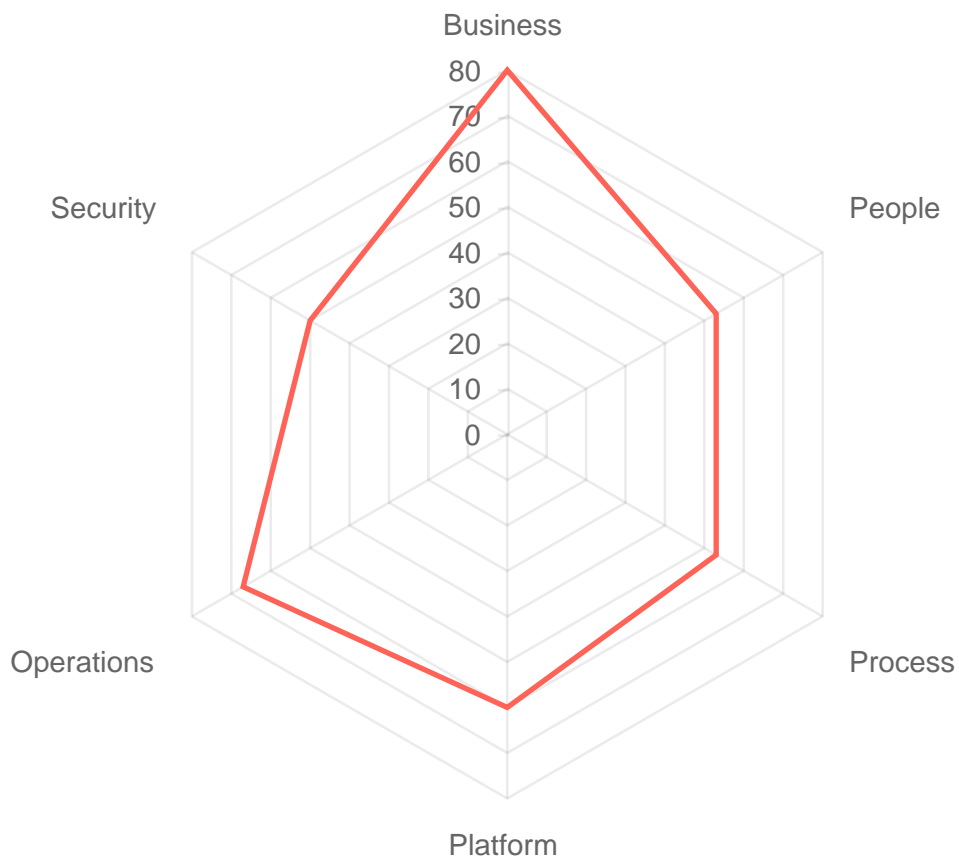
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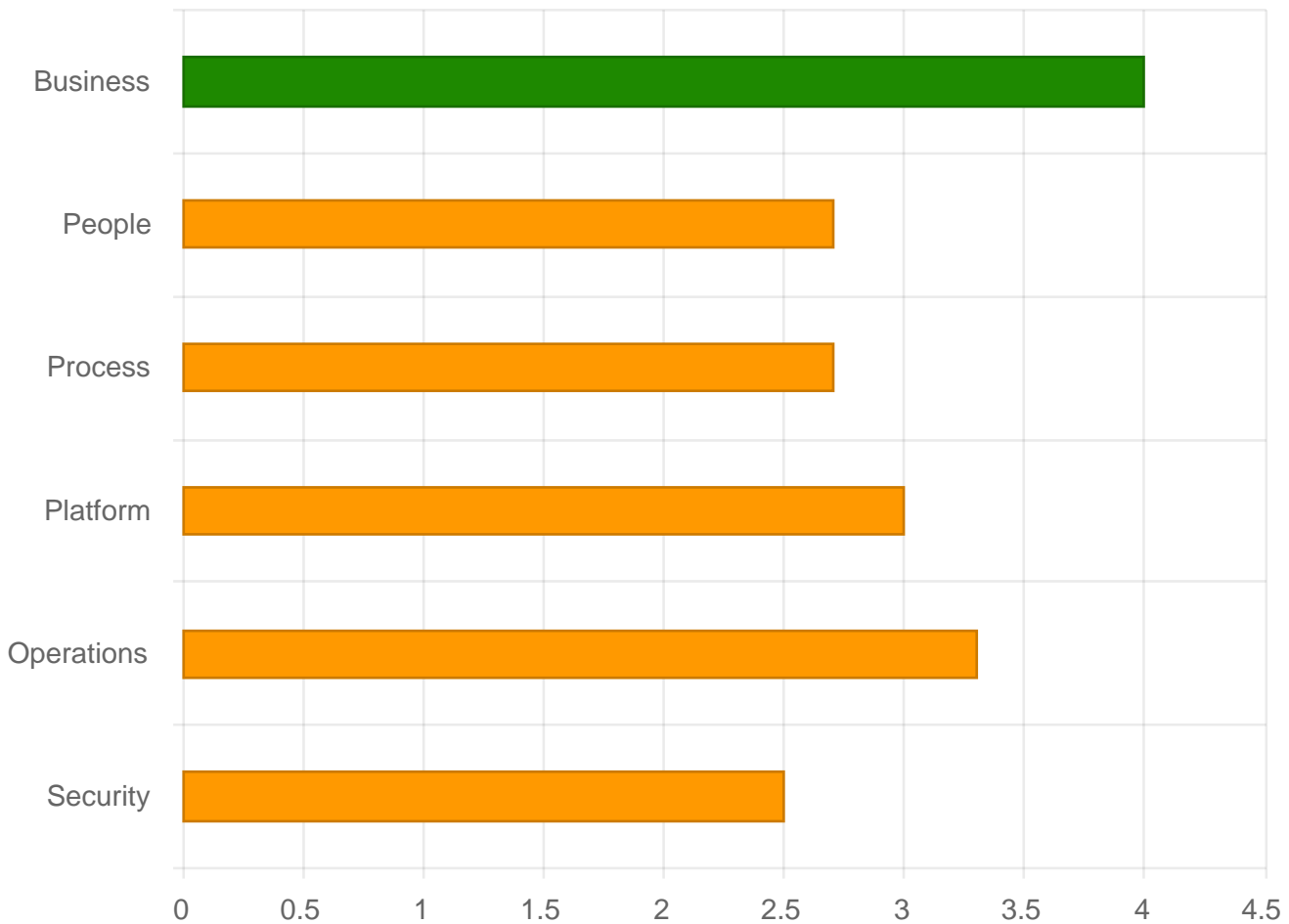
Cloud Readiness Radar Chart

In this section, you will find CART assessment scores shown in a radar chart, across the six AWS CAF perspectives. Learn more about CAF.

Visualize your cloud-readiness strengths and weaknesses with the radar chart below, so you can prioritize remediation activities.

Cloud Readiness Heatmap

In this section, you will find CART assessment scores shown in a heatmap across the six CAF perspectives. Learn more about CAF.

Green: Questions and Sections that are green indicate a high level of cloud adoption readiness.

Yellow: Questions and Sections that are yellow indicate that additional prep-work is recommended. Additional resources to help address areas for improvement are provided in this report.

Business

- Business Rationale
- Business Case

People

- Executive Sponsorship
- Collaboration
- Change Management

Process

- Application & Infrastructure Portfolio Management
- Agile Frameworks
- DevOps Planning

Platform

- AWS Cloud Account Planning

Operations

- Operations & Responsibilities Alignment
- Future Cloud Operations
- Continuity Planning

Security

- Operational Cloud Security
- AWS Experience
- Documented Security Policies
- Security Leadership Commitment To Cloud Adoption Strategy

Cloud Adoption Readiness Assessment Summary Report

In this section, you will see your responses across the six AWS CAF perspectives. Learn more about CAF.

Questions and Sections that are green indicate a high level of cloud adoption readiness.

Questions and Sections that are yellow indicate that additional prep-work is recommended. Additional resources to help address areas for improvement are provided in this report.

Business Rationale

Question: Has your company identified a specific business reason for moving to the cloud?

Response: 4 - A draft analysis has been completed

Rating: 4

Business Case

Question: Has your company developed a business case for moving to the cloud, and if so, is your business case based on multiple, credible and quality sources?

Response: 4 - A few data sources, and some consensus among the team

Rating: 4

Recommended Actions :

Congratulations on your successful alignment and level of readiness for this section. For more information and continued learning, please find these valuable assets below:

- AWS Whitepapers: Cloud Computing Economics
- AWS Total Cost of Operation (TCO)
- AWS Simple Monthly Calculator

People Section

Executive Sponsorship

Question: Has your organization assigned a manager or executive to be responsible for your cloud adoption efforts (single threaded leader). This person overseas a dedicated cloud team (Cloud Center of Excellence) with assigned roles, timelines and resources for adopting cloud services?

Response: 4 - We have a single threaded leader and assigned some components of the Cloud Center of Excellence

Rating: 4

Collaboration

Question: Does the IT organization engage regularly with their stakeholders to address service and governance issues?

Response: 4 - Frequently engages with stakeholders

Rating: 4

Change Management

Question: Have you implemented an organizational change management and training plan for cloud adoption (This is a plan that helps you manage the impact of business, structural, and cultural changes caused by cloud adoption)?

Response: No

Rating: 0

Recommended Actions :

Moving your business to the cloud requires varying degrees of change management with the people who run your organization. The People Perspective helps Human Resources (HR) and personnel management prepare their teams for cloud adoption by updating staff skills and organizational processes to include cloud-based competencies.

Common Roles: Human Resources; Staffing; People Managers. Consider these areas of focus to prepare personnel for cloud migration.

- **Resource Management** helps you understand and forecast new personnel needs for a cloud-based operating model.

- **Incentive Management** helps you implement a compensation program that will attract and retain the personnel required to operate a cloud-based IT model.

- **Career Management** helps you identify, acquire, and retain the skills needed for your cloud migration and ongoing operating model.

- **Training Management** provides guidance on how to develop or acquire training for your employees so they can perform their roles in a cloud environment.

- **Organizational Change Management** helps you manage the impact of business, structural, and cultural changes caused by cloud adoption.

Here is a helpful webinar on change management for the cloud: How to Manage Organizational Change and Cultural Impact During a Cloud Transformation.

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Application & Infrastructure Portfolio Management

Question: Is there a system or mechanism to track inventory and manage your portfolio of applications and infrastructure (e.g. a configuration management database)?

Response: Yes

Rating: 5

Agile Frameworks

Question: Does the organization have at least 12-months of project delivery experience with Agile Frameworks (e.g. SCRUM)?

Response: No

Rating: 0

DevOps Planning

Question: Has the organization established a DevOps practice, or does it plan to deliver and manage cloud based services?

Response: 3 - A draft DevOps practice and plan has been created

Rating: 3

Recommended Actions :

The Process Perspective focuses on managing portfolios, programs, and projects to deliver expected business outcome on time and within budget, while keeping risks at acceptable levels.

Common Roles: CIO; Program Managers; Project Managers; Enterprise Architects; Business Analysts; Portfolio Managers. Consider these areas of focus to prepare procedures for cloud migration.

- **Portfolio Management** provides a mechanism to manage it based on desired business outcomes. It can help to determine cloud-eligibility of IT workloads when prioritizing which services and systems to move to the cloud.

- **Program and Project Management** Management helps you manage technology projects using methodologies that take advantage of the agility and cost savings benefits inherent to cloud services.

- **Business Performance Measurement** helps you measure the impact of the cloud on your mission or business objectives.
- **License Management** defines methods to procure, distribute, and manage the licenses needed for IT systems, services, and software.

Learn more about improving IT and operational Process and Governance in the cloud, so your organization can innovate and move faster.

AWS Cloud Account Planning

Question: Have you architected, planned or created a baseline AWS account structure (how will you manage your AWS accounts) and control environments (networking, IAM, etc) that support your core business, security and compliance needs (e.g. AWS Landing Zone)?

Response: 3 - A rough AWS account structure has been established, but only a proof-of-concept has been implemented

Rating: 3

Recommended Actions :

It is critical to make sure your use of the AWS Cloud is based on proven best practices from design to optimization phases. The Platform Perspective helps you design, implement, and optimize the architecture of AWS technology based on business goals and objectives. It provides strategic design guidance, principles, tools, and policies you will use to define your AWS infrastructure. The Platform perspective also includes patterns for communicating your target state environment, implementing new solutions in the cloud, and migrating on-premises workloads to the cloud.

Common Roles: CTO; IT Managers; Solution Architects. Consider these areas of focus to help in your continued personnel preparation for migration.

- **Systems and Solution Architecture** helps you define and describe the system design and your architectural standards.

- **Compute, Network, Storage, and Database Provisioning** helps you develop new processes for provisioning infrastructure in a cloud environment. Provisioning shifts you from an operational focus that aligns supply with demand, to an architectural focus that aligns your services with requirements.

- **Application Development** addresses your ability to support business goals with new or updated applications, and helps implement new skills and processes for software development so you can take advantage of the agility gained by cloud computing.

Be sure to familiarize yourself with the AWS Well Architected Framework. Also, make sure you consider all the aspects of migrating to AWS: Best Practices in Planning a Large-Scale Migration

Operation Section

Operations & Responsibilities Alignment

Question: Has your organization decided who will own operations of cloud based applications and systems (e.g. operational models for deployments and updates)?

Response: 3 - A draft responsibilities matrix with assigned owners has been created

Rating: 3

Future Cloud Operations

Question: Has the future state operating model for cloud been defined?

Response: 2 - We are currently in the process of defining a plan

Rating: 2

Continuity Planning

Question: Has the organization communicated a plan to address business continuity or disaster recovery in the cloud?

Response: Yes

Rating: 5

Recommended Actions :

Preparing your operational teams and processes to operate in the cloud helps ensure successful cloud migrations: The Operations Perspective helps you to run, use, operate, and recover IT workloads to levels that meet the requirements of your business stakeholders. Insights gained through the Operations Perspective define your current operating procedures as well as process changes and training needed for successful cloud adoption. Well-managed IT operations support the operations of the business from planning and sustaining, through change and incident management.

Common Roles: IT Operations Managers; IT Support Managers. Consider these areas of focus to help in your continued operational readiness for migration.

- **Service Monitoring** focuses on detecting and responding to IT operations health indicators, to meet your service level agreements and operating level agreements.

- **Application Performance Monitoring (APM)** provides you with new approaches for monitoring application performance in a cloud environment, in order to ensure that application health and meet pre-defined requirements.

- **Resource Inventory Management** helps you manage virtual IT assets to provide services that are both high performing and cost efficient.

- **Release/Change Managemen** helps your teams adopt software development best practices such as automation and Continuous Integration/Continuous Delivery (CI/CD) techniques, thus accelerating the pace of your innovations.

- **Reporting and Analytics** helps you monitor the health of cloud assets and provide insights to help you reach your desired level of performance.

- **Business Continuity/Disaster Recovery** helps you implement processes to keep your business running during a catastrophic event.

- **The IT Service Catalog** helps you offer cloud services to the organization, using an efficient cloud service delivery and IT consumption model.

Learn more about operating in the cloud here An Overview of the AWS Cloud Adoption Framework

Security Section

Operational Cloud Security

Question: Does the organization have a strong understanding of operating securely in the cloud?

Response: 3 - Some experience and understanding

Rating: 3

AWS Experience

Question: Is anyone in the organization certified by AWS and/or considered an expert or authority on cloud security?

Response: 3 - The organization has a small set of AWS certified team members, and others with comparable experience

Rating: 3

Documented Security Policies

Question: Does the organization have a documented cloud security plan or methodology?

Response: No

Rating: 0

Security Leadership Commitment To Cloud Adoption Strategy

Question: Does the organization s leadership for IT Security approve of and participates in creating the cloud adoption strategy or planning sessions?

Response: 4 - Strong leadership participation and approval

Rating: 4

Recommended Actions :

Security is Amazon's #1 priority. The Security Perspective helps you structure the selection and implementation of security, regulatory and compliance controls. Following this guidance can make it easier to identify areas of non-compliance and plan ongoing security initiatives that improve your long-term security posture.

Common Roles: CISO; IT Security Managers; IT Security Analysts. Consider these areas of focus to help in your continued security planning for migration.

- **Identity and Access Management (IAM)** helps you integrate AWS into your identity management lifecycle, and integrate with your sources of authentication and authorization.

- **Detective Control** provides guidance to help identify potential security incidents within your AWS cloud environment.

- **Infrastructure Security** helps you implement control methodologies necessary to comply with best practices as well as meet regulatory obligations.

- **Data Protection** helps you to implement safeguards that protect data in transit and at rest.

- **Incident Response** helps you define and execute a response to security incidents.

AWS provides these services so you can architect your applications and systems with security and compliance:
Architecting for End-to-End Security in the Enterprise

How to Use This Report to Advance Your Cloud Readiness

In preparing for an AWS Cloud migration, we recommend that you review the checklist below as your next step:

1. Review the AWS Migration Readiness Guide. This guide walks readers through what it means to be ready to migrate and how to establish a solid foundation to save time and prevent roadblocks. We discuss the impact and importance of driving organizational change, preparing leadership, and establishing foundational readiness for large-scale migrations. We also present our iterative methodology for executing a successful migration.

2. Next, we encourage customers to use our AWS CAF to help address the six perspectives responded to in the CART survey. AWS Professional Services created the Cloud Adoption Framework (AWS CAF) whitepaper to help organizations develop efficient and effective plans for their cloud adoption journey. Each CAF perspective is used to create work streams that uncover gaps in your existing skills and processes. These inputs are the basis for creating an AWS CAF Action Plan to guide your organization's change management as you journey to the cloud

3. Often customers require specialized skills and experience to help supplement their team. AWS offers professional services to help you realize your desired business outcomes. If you d like to request an executive briefing or consultation please contact your sales representative. If you are new to AWS, you may use this link to request support.

Further Reading:

For additional information, tools and customer case studies please consult the following resources:

- Professional Services homepage
- AWS Migration Whitepaper
- AWS Migration
- AWS Migration Acceleration Program (MAP)
- AWS Migration Hub