iSmile Technologies

aws Readiness Assessment

Cloud readiness assessment is an essential first step that can provide a solid footing before moving forward with plans. A cloud readiness assessment is a process where you examine your applications and data to determine if they can be moved to the cloud with minimal impact on operational continuity. The assessment will help you gain a good grasp of what you should do to ensure a seamless cloud migration. In this blog, we discuss six essential steps you should execute to assess your cloud readiness.

Assess the potential of your team and identify the skill gaps

The next important step is to understand what your in-house IT team is capable of. To do so, you need to find out the answers to the following questions:

- Does your team have the required skills to ensure a smooth transition to the cloud?
- Does your team have prior experience in cloud migration?
- Are they equipped with the necessary migration tools and technologies?
- Are they fully available to execute cloud migration or are there competing priorities?

Once you have the answers to the questions above, it's essential to fill the skill and resource gaps immediately. For instance, if you have identified the shortcomings of your IT team's knowledge base, you can probably set up a training program to educate them or opt for a strategic partner who can help your team with the end-to-end execution of the migration. As the skills and resources are the prerequisites for executing cloud migration, it is ideal to address these gaps before you can take a step forward in your migration process.

Driven by the need for greater productivity and lower costs, organizations around the world are moving their workloads to the cloud. Pre-migration planning can be as important as the implementation work itself. A cloud readiness assessment can transform an organization's rough idea of moving to the cloud into a detailed plan that explains how to make it happen and in what order events should occur.

Here are seven tips for a successful cloud migration:

1.Have a solid business case for cloud migration: Cloud migrations make sense when they offer a tangible benefit to your organization. Outline your current objectives and decide how the cloud will benefit them. List out the pros and cons and how the success of your cloud transition strategy will be measured.

2. Categorize your workloads and desired outcomes: As you categorize your workloads and desired strategic outcomes, map the capabilities of your targeted cloud service provider. Does your cloud provider have the breadth of cloud services you need? Do they have the security, disaster recovery, and business continuity capabilities or SLAs you require? Do they have a professional services team to support you in planning, migration, deployment, and post-implementation? What does their partner and independent software vendor (ISV) community look like?

3. Establish a cloud operating model: A cloud operating model outlines how the cloud will transform your current workflows, internal processes, and operations. It should be based on your organization's strategic objectives for migration and define how your organization will function after the migration is accomplished. It should account for everything that will be transformed by successfully adopting the cloud.

4. Estimate timeline and budgets: By using AWS Professional Services, you will receive a more accurate timeline and budget estimate before the project kicks in.
Prioritize what application to move first: It is rare for organizations to move everything to the cloud at once. Conduct a strategic portfolio analysis to determine what applications or workloads to move first.
Test adequately: Pay attention to the design and testing of your cloud architecture and the migration of data. Have a disaster recovery plan in place prior to initiating a migration.

5. Emphasize the importance of security: Cloud security is a shared responsibility between the customer and cloud service provider. Work with your cloud provider to create complete and robust security policies for success post-migration.

As more organizations see the value of the cloud's agility and elasticity, these tools can offer a strong foundation. There are several tools, guides, and frameworks that help make the pre-migration planning as effective as the migration itself.

Get Free Consultation