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Why Startups and SMBs Should Migrate to the Cloud with IO Connect Services

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INTRODUCTION

Technology has always been the driving force when it comes to which businesses venture capitalists (VCs) choose for investing. So, if you're a startup looking to attract the big fish, it makes sense to have your technology modernized and ready for growth. This means that it's crucial that you take the right steps to increase valuation. The best way to accomplish this goal is by adopting Cloud technologies and the modern tools and applications that come with them.

As an innovator and entrepreneur, you've already identified a problem that needs to be solved — that's the initial spark of any new business. You've completed the solution stage, showcasing what makes you unique to the marketplace. But without the third phase — evolution — it may be hard to get where you really want to go. That's where IO Connect Services comes in, with our full suite of AWS Migration Services.

IO Connect is your solution to modernizing your IT environment. Our SaaS tools help allocate workloads across multiple computing environments, allowing you to build and scale products faster. The AI, ML, and automation tools we implement provide speedy and extensive testing so you can "fail faster," work out the kinks, and get your product to market more quickly.

By transforming your network into a Cloud ecosystem, you'll gain the benefits of scalability, guaranteed uptime, data backup redundancy, data recovery, and remote access from any location with an internet connection. IO Connect Services offers all these benefits for your organization with less need for investment in on-site technology, less energy usage, more storage, and less time and money spent on IT staff, maintenance, and upgrades.

IO Connect accomplishes your startup evolution in 3 steps: Assess, Mobilize, and Migrate

Assess

IO Connect always begins Cloud migration with a thorough assessment of your network and ecosystem's current state to determine how ready you are for the Cloud. We call this our Migration Readiness Assessment (MRA).

In this assessment, we'll gain an understanding of your strengths and weaknesses for Cloud migration. We'll view your readiness through various perspectives of your organization, including your staff, platforms, operations, and security, so we can understand how your current architecture operates and how business flows. We'll also look at the current costs of your network and state of security to help ensure protection and ROI.

We then put our AWS tools and expertise to work to gain a deep understanding of your applications, databases, containers, and the characteristics of your network and business that make you unique. This helps us identify, determine, and size the workloads best ready and suited for AWS Cloud migration and draw up a strategy for your Cloud migration.

We'll schedule a session with your team to deliver our proof of concept for migration. Your honest feedback helps us refine the plan so we can begin executing the process of migrating your database workloads and applications to Amazon RDS, Amazon Aurora, AWS DynamoDB, or any other purpose-built database. To complete the Assess phase, we provision, configure, refactor, and convert your application code to best fit the chosen migration strategy.
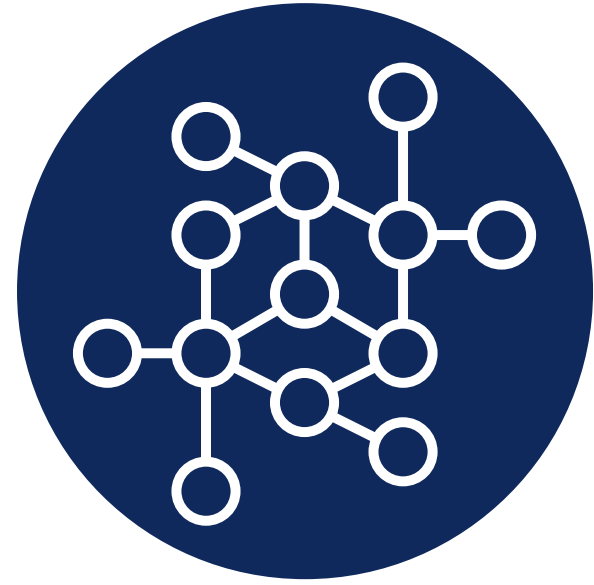
Mobilize

Think of the Mobilize stage as the design stage. This is where IO Connect puts AI, ML, and automation tools to use to achieve best practices for Cloud migration. As literally hundreds or thousands of workloads can be set for migration, mobilization requires the coordination of multiple disciplines and teams. Automation provides the vehicle for a speedy and agile approach when preparing workloads and applications for migration, assisting greatly in checking and adapting code to eliminate errors.

Automation also helps break down mobilization activities into different workstreams for ease of migration, allowing for workstreams to run parallel to each other once migration begins. Additionally, the mobilize phase provides the opportunity to build the foundation for tooling and processing, further accelerating the speed of migration at scale.

Key personnel from your organization are involved in this phase, from IT staff and business executives to program, project, infrastructure, and operations managers. Meetings are a common occurrence in this phase, as IO Connect personnel will address progress, keep stakeholders in migration up to date with any changes in strategy, and address any pain points.

Mobilization is also where we set up the AWS Landing Zone for your applications and workloads. This zone is a Cloud environment that's scalable, follows best practices, and adheres to industry best standards to support your transition and growth within AWS platforms. We'll perform migration testing to help ensure that data isn't lost or compromised and start the cutover stage, ensuring that traffic moves safely from existing endpoints into the AWS Cloud. Lastly, we'll formulate the final strategy for full migration.

Migrate

The time is here — the first day of migration. The biggest challenge faced at the time of migration is carrying out the work with minimal disruption to your operations. To achieve this, the IO Connect team works to achieve migration in the shortest time possible. In many respects, all the planning and design in the mobilize phase go a long way in realizing a fast migration. All the tools, resources, testing, and methodology implemented in the mobilize phase also gives us the ability to migrate to the AWS Cloud at scale, thus providing a blueprint for scaling implementation for future migrations.

For IO Connect Services, there are 3 main Cloud migration strategies for moving your startup into AWS Cloud environments.

01 Rehosting

The rehosting process refers to migrating your on-premises applications and workloads to the AWS Cloud without the need for modification. Often referred to as lift-and-shift migration, it is the most straightforward method of migration. A major benefit of rehosting is that it's a low-resistance migration strategy and a relatively easy way to get set up with Cloud services.

02 Replatforming

This method is a bit more involved, often invoking the need to make optimizations to applications during the migration, such as changes and updates to specific application components. This is done to improve the operation of applications without altering their functionality. Replatforming can also result in improved scalability, security, and user experience.

03 Refactoring

The most intensive migration method, refactoring involves re-architecting applications to better suit the AWS Cloud environment. As it's a more complex process than rehosting or replatforming, refactoring typically uses more resources. However, by taking advantage of Serverless and Managed Technologies, this can be the fastest go-to-market strategy, particularly when compared to scaling legacy systems.

Refactoring also offers long-term benefits, like allowing rapid adaptation of future features and requirements, and providing increased resilience and durability within the Cloud.

Post-Migration Support

No matter which migration method is recommended for your various applications and workloads, IO Connect Support is always available to assist. Once migration is finished, we strongly recommend that our clients add IO Protect Managed Cloud.

We provide three types of services in this package – Managed Cloud, Managed Security, and Managed Help Desk. With 24/7 proactive monitoring, real-time support, and threat and vulnerability management, we'll keep your organization up and running, and remediate any event that may occur.

Why Choose IO Connect Services

As a technology provider with an AWS Migration Services Competency, IO Connect has the deep migration expertise needed to take VC-funded startups through all the phases of AWS migration projects. By achieving the AWS Migration Services Competency, IO Connect has proven that we are an AWS Partner that provides specialized technical proficiency with a long track record of customer success. We are also an AWS Advanced Partner, so we can offer AWS benefits and credits to customers that work with us on Cloud migration projects.

Other IO Connect specialties include both AWS Lambda, a serverless, event-driven compute service that can be triggered from more than 200 AWS services and SaaS applications, and Amazon API Gateway, which helps developers create, publish, maintain, monitor, and secure APIs at any scale.

Migrate to the Cloud
with IO Connect

Schedule a migration consultation with us to learn how we can transform your network environment to align with your business goals.

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