



## CASE STUDY

# Cloud LaunchPad Transforms Biotech Company's IT Infrastructure

### YEAR

2023

### INDUSTRY

Biotechnology

### EMPLOYEES

11–50

## Challenge

A biotechnology firm without a dedicated IT staff faced substantial cloud infrastructure hurdles. The company's initial cloud infrastructure was situated in Amazon's California region, but their frequent attempts to deploy large scale batch jobs often exceeded AWS's ability to provide sufficient capacity on demand. To address the issue, they initiated a migration to the Oregon region, but only to the extent necessary to satisfy their immediate needs. Their incomplete migration resulted in data and other resources being scattered across two regions, increasing their spend as a side effect of an inefficient deployment. Their make-do IT approach, set up by team members out of necessity rather than expertise, resulted in inefficient network connections and haphazard configuration of their servers. This makeshift system significantly impeded their data analysis and their ability to access resources both privately and publicly, distracting these team members from their primary roles and responsibilities within the company.

## Solution



# Cloud LaunchPad Transforms Biotech Company's IT Infrastructure

iuvo's deployment of Cloud LaunchPad brought transformative change to the client's cloud infrastructure. It resolved the longstanding issue of incomplete resource migration by unifying data across regions and decommissioning unnecessary systems. The cloud environment was restructured for enhanced performance and security with the introduction of isolated networks, multi-region VPCs, and secure site-to-site VPNs—all interconnected with advanced peering solutions. Cost efficiencies were realized through the implementation of shared NAT gateways and secure AWS Client VPN with SSO authentication. Automated deployment processes, including EC2 instance provisioning with pre-selected AMIs and configuration via Ansible, streamlined operations and minimized human error. The solution also included robust DNS management via AWS Route53, optimized identity and access control through improved IAM policy management, and the maintenance of RDS instances and EC2 security groups. These measures not only fortified the infrastructure's defenses but also created an environment that supports seamless growth and scaling. In essence, iuvo's Cloud LaunchPad equipped the client with a more cohesive, secure, and easily manageable cloud system, setting a solid foundation for their evolving technological needs.

## Results

### Enhanced

SECURITY & COMPLIANCE

### Reduction

IN OPERATIONAL COSTS

### Streamlined

CLOUD RESOURCE MANAGEMENT

### Successful

DATA MIGRATION

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## Outcome

iuvo's Cloud LaunchPad revolutionized this biotech firm's cloud setup, especially crucial for a team without dedicated IT staff. When iuvo suggested Cloud LaunchPad, the urgency was clear from the client representative's response: "We needed this three years ago." The solution quickly resolved the stalled data migration, unified IT management, and automated core processes, freeing the team members to focus on their areas of expertise. It resulted in significant time savings, decreased manual errors, and set the stage for cost efficiency and robust security. Cloud LaunchPad's adaptable framework ensures the firm is ready for future technological strides.

**Ready to discuss your IT challenges?**

Request a consultation and we will connect you with the right solution.

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