

## Accelerating Migrations with Generative AI

### The Complexity of Traditional Migrations

Migrating VMware environments to AWS presents unique challenges for organizations, particularly around managing manual configurations, inconsistent deployments, and complex migration processes. These inefficiencies lead to extended migration timelines, increased costs, and often lead to tradeoffs that maintain technical debt, preventing businesses from fully leveraging the benefits of AWS. To thrive in the cloud, organizations need a faster, more reliable approach that automates the transition and delivers fully optimized Infrastructure as Code (IaC), enabling scalable, consistent cloud adoption without the manual overhead.

### Simplifying Migrations with IaC by AI

Our solution streamlines your VMware to AWS migration by seamlessly converting workloads into optimized IaC templates. Our AI-powered solution ensures error-free, consistent deployments, reducing migration time and enabling rapid cloud adoption. By automating the entire process, from IaC creation through migration and verification, organizations gain the agility, reliability, and scalability needed to thrive in the cloud, while positioning themselves to adopt the next generation of cloud services.

## Our Approach

### Assess

Start with infrastructure assessments by using our AI engine to scope the environment and ensure a tailored migration plan

### Architect

Conduct focused workshops on infrastructure, applications, and operations to design a migration strategy that reduces complexity and operational overhead

### Act

Execute the co-developed strategy to migrate VMs and generate IaC, conducting thorough evaluation, validation, and testing from start to finish

## Highlights

- **AI Automation & Optimization:** Convert workloads into production-ready IaC templates, ensuring consistent deployments and eliminating manual configurations
- **Robust Testing:** Leverage a robust suite of tests to ensure the migrated infrastructure matches the current environment
- **Cloud Experts:** Backed by Caylent's deep experience in cloud migrations, our experts are ready to handle the complex edge cases that might surface

## Deliverables

- **Migrated Servers & Infrastructure:** Faster and more secure migration of VMware workloads that adhere to AWS best practices, resulting in fully operational cloud environments
- **Production-Ready IaC Templates:** Optimized, production-grade IaC templates to manage and scale your cloud infrastructure efficiently
- **Supporting Documentation:** Comprehensive documentation and diagrams to guide future deployments and ensure smooth management