



CASE STUDY

MULTI-CLOUD ASSESSMENT FOR TECHNOLOGY & GAMING

Strengthening AWS and Azure environments to boost performance, security, and scalability across global development teams.

VERTICAL

Media & Entertainment / Gaming

SERVICES

- Multi-Cloud Virtual Desktop Infrastructure (VDI)
- Hybrid Cloud Integration
- Global Render Farm Optimization
- Secure Remote Work Enablement

WHY ECI

- Proven expertise in multi-tenant, multi-region VDI deployments
- Deep cloud partnerships with AWS, Azure, and Google Cloud
- Strong understanding of M&E production pipelines
- End-to-end management for performance, scalability, and compliance

CHALLENGE

A leading global gaming studio was expanding rapidly, but its on-premises infrastructure couldn't keep pace with growing creative demands. Artists working remotely experienced lag and downtime when accessing studio workstations and render farms, slowing project delivery and collaboration. At the same time, leadership needed to maintain tight control over proprietary game assets and source files, ensuring data never left the company's secure network. Scaling on-prem resources required long lead times, heavy maintenance, and costly hardware refreshes. The studio needed a flexible, global solution that could deliver high-performance remote access, accelerate rendering, and protect its IP across multiple regions.

SOLUTION

ECI partnered with the studio to deploy a multi-cloud Virtual Desktop Infrastructure (VDI) designed for performance, scalability, and security. Using Terraform-based modules, ECI quickly converted each cloud region into a secure, production-ready "company site" with VPN connectivity, Active Directory integration, and custom gateways that provided low-latency, high-refresh-rate access for artists worldwide. A centralized management platform enabled administrators to control compute resources across AWS, Azure, and on-prem environments, while flexible design allowed seamless integration with existing render pipelines. The result was a unified global environment where artists could collaborate securely and efficiently from anywhere.

RESULT

With ECI's multi-cloud VDI in place, the studio transformed its production workflows. Artists and developers could now collaborate in real time across continents with consistent, workstation-level performance. Render times dropped significantly thanks to global render farms connected directly to data sources, accelerating project delivery and iteration cycles. The studio also reduced costs by eliminating on-prem hardware dependencies and ongoing maintenance. Most importantly, all creative assets remained fully secure within the company's hybrid network, accessed only through encrypted, industry-standard protocols. The new environment gave the studio a faster, more secure, and globally scalable creative infrastructure—built for the next generation of game development.