Cloud & Device Modernization for Advanced Military Training Technologies

KPCS Consulting Case Study

EXECUTIVE SUMMARY:

Advanced Military Training Technologies, a global leader in defense simulation software, partnered with KPCS Consulting to modernize its IT infrastructure. The project focused on **migrating from legacy on-premises servers to a secure, cloud-based environment**, implementing Microsoft Intune for **device management**, and **transitioning identities** to Microsoft Entra ID (Azure AD).

KEY DELIVERED OUTCOMES:

> **25% annual reduction** in IT operational costs

> **50% fewer** security incidents

> 300+ devices managed with Intune and Autopilot

> Accelerated onboarding time to **just hours**

> Full enablement of secure remote work

> **Avoided $100K** in potential recovery costs

1.   Client Overview

Advanced Military Training Technologies is a global software company specializing in simulation and training solutions for the defense sector. Founded in 2001 as a spin-off from a game studio, the company is now part of a major defense industry holding. It develops high-fidelity simulations and virtual training environments for military and government organizations, using gaming technology to create realistic, secure, and scalable training platforms.

> Serves over 50 defense organizations worldwide, offices in seven countries

> 300+ employees

> Core technologies: advanced 3D rendering, terrain generation, and SDKs for customization

> Integrates AI, VR/AR, and cloud solutions for modern defense training environments

2. Business Challenge

Advanced Military Training Technologies sought to modernize its IT infrastructure by transitioning from legacy on-premises servers to a secure, cloud-based environment. Existing physical infrastructure led to high operational costs, limited scalability, and slower deployment of new technologies. The absence of centralized device and identity management increased security risks and hindered remote work capabilities — a major limitation for a globally distributed workforce.

3. Objectives

- Implement Microsoft Intune for modern device management
- Migrate identities and services to Microsoft Entra ID (Azure AD)
- Reduce operational costs and improve scalability
- Enhance data and device security posture
- Enable secure remote work for global teams
- Build IT team independence through knowledge transfer

4. Solution Delivered

KPCS Consulting delivered a phased and highly tailored approach to cloud transformation, combining hybrid management with a roadmap toward full cloud-native operation. This strategy ensured minimal disruption and enabled business continuity during the transition.

Key elements of the solution included:

- Hybrid-to-Cloud Transition: Gradual migration from on-premises infrastructure to cloud-based services for seamless continuity.
- Modern Device Management: Deployment of Microsoft Intune and Windows Autopilot for automated device provisioning, compliance enforcement, and secure configuration.
- Security by Design: Implementation of conditional access, encryption, and compliance policies aligned with defense-industry standards.
- Scalability and Flexibility: Architecture optimized for both office-based and remote work scenarios.
- Knowledge Transfer: Targeted training for IT staff to ensure long-term independence and efficient management of the new environment.

5.   Results & Business Outcomes

Metric	Before	After
IT Operational Costs	High with manual administration	Reduced by 25% annually
Security Incidents	Frequent, reactive response	Reduced by over 50%
Employee Onboarding	Multiple days	Completed in a few hours
Device Management	Manual and inconsistent	300+ devices managed via Intune
Remote Work Capability	Limited and risky	Secure and efficient global access

The transition to Microsoft Intune and Entra ID delivered measurable operational and security improvements. IT operational costs were reduced by up to 25% annually through automation and centralized management. New-hire onboarding time dropped from multiple days to just a few hours, and security incidents were reduced by more than 50%. Over 300 devices are now managed centrally, and employees can securely work from anywhere. The project also avoided potential recovery costs estimated at $100K, while enhancing compliance and audit readiness.

6.   Key Delivered Outcomes

> 25% annual reduction in IT operational costs

> 50% fewer security incidents

> 300+ devices managed with Intune and Autopilot

> Accelerated onboarding time to just hours

> Full enablement of secure remote work

> Avoided $100K in potential recovery costs

7.   Validation

> Validated by: Client CIO and IT Infrastructure Team

> Prepared by: KPCS Consulting Cloud & Security Practice

> Duration: 10 weeks (Assessment, Implementation, and Training)

> Year: 2025

> Client: Advanced Military Training Technologies

8.   Next Steps & Contact

KPCS helps defense and technology organizations modernize infrastructure, enhance security, and increase operational efficiency through Microsoft cloud transformation solutions.

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