

Impress IT Solutions Completes Zero-Downtime AWS to Azure Cloud Migration for Houston Construction Firm

Katy-Based MSP Migrates 8 Business-Critical Applications and 16 Remote Sites in 5-Day Sprint — with No Disruption to Operations

HOUSTON, TX, UNITED STATES, July 13, 2026 /EINPresswire.com/ -- Impress IT Solutions, a Houston-area managed service provider (MSP) headquartered in Katy, Texas, today announced the successful completion of a zero-downtime cloud infrastructure migration for a Houston-based construction company. The project transitioned the client's entire IT environment from a legacy AWS

deployment managed by their prior provider to a newly architected Microsoft Azure platform — with no operational disruption, no data loss, and minimal notice to end users.

The engagement, which spanned from August 1 through September 4, 2025, involved the migration of eight business-critical applications, the configuration of 16 remote field sites via Cradlepoint and Starlink connectivity, and the phased decommission of all legacy AWS servers — all executed in a structured, risk-controlled process.

“

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Sergio Armijo

zero-downtime approach.



Roland Parker presenting to IT Pros on Azure Migrations

A Complex Migration, Executed with Precision

The project required Impress IT Solutions to build an entirely new Azure environment in parallel with the live AWS infrastructure before a single production workload was moved. This parallel-build strategy allowed the team to validate every system, connection, and application before initiating any cutover — the cornerstone of the

Key technical milestones included:

- Azure Environment Build-Out: Deployment of a new Azure tenancy via Nerdio, including Active Directory domain controllers, virtual networking, and a fully configured VPN Gateway.
- AWS-to-Azure Site-to-Site VPN: Establishment of an encrypted tunnel between the legacy AWS environment and the new Azure infrastructure to enable live data synchronization during the transition period.
- Application Migration: Successful migration of eight applications including P6 Primavera (Oracle/SQL), PlanSwift, ACT! CRM, Microsoft Access databases, Egnyte document scanning, and a network print server — alongside cloud-native integrations for Procore, Vista Viewpoint, and GCPay.
- Zero-Trust Network Access: Deployment and configuration of Appgate SDP (Software-Defined Perimeter) for secure remote access, replacing legacy VPN infrastructure with identity-aware, zero-trust connectivity.
- Field Site Connectivity: Configuration of 16 Cradlepoint routers across remote and jobsite locations, including an on-site visit to Deer Park to configure Starlink in passthrough mode for a critical field location.
- Five-Day Cutover Sprint: After four weeks of parallel build and validation, the full production cutover was completed in just five business days (August 31 – September 4, 2025), with early-morning change windows minimizing any impact on the construction firm's operations.

Overcoming Real-World Challenges

No migration of this complexity is without its challenges. During the PlanSwift application migration, initial cloud-hosted storage configurations produced unacceptable performance for end users. Impress IT Solutions rapidly engineered a hybrid solution — deploying a local NAS device to host active project data while maintaining cloud-based backup — resolving the performance issue and restoring full productivity.

Additionally, during the AWS server decommission phase, an undocumented mapped network share was discovered on one of the servers slated for shutdown. The team immediately recovered and preserved the affected data, preventing any potential loss.

Client Testimonial

"What stands out most about Impress is their great customer service mindset. Every IT Support technician we've worked with has been easygoing, helpful, and professional. They're also refreshingly transparent — especially when it comes to billing. If I ever have a question about a monthly invoice, they explain everything clearly and make sure I'm comfortable with it. The quality of service is consistently high. They follow through on action items and deliverables without needing to be chased — everything just gets done. Impress has earned my trust, and I'd gladly recommend them."

— Sergio Armijo, Construction Company

CEO Commentary

"This project is a testament to what careful planning, deep technical expertise, and a genuine

commitment to client success can achieve,” said Roland Parker, CEO of Impress IT Solutions. “Zero downtime on a migration of this scale — eight applications, sixteen field sites, a five-day cutover — doesn’t happen by accident. It happens because our team does the work upfront. We’re proud of what we delivered for this client, and we’re excited to bring this same approach to other Houston-area construction and infrastructure businesses who are ready to modernize their IT environments.”

About This Project

Metric Result

Applications Migrated 8

Remote Sites Connected 16

Planned Downtime 0 minutes

Data Loss None

Build Phase August 1–30, 2025

Cutover Sprint August 31 – September 4, 2025

AWS Servers Decommissioned 6

About Impress IT Solutions

Impress IT Solutions is a full-service managed service provider (MSP) based in Katy, Texas, serving businesses throughout the Greater Houston area. Founded on the principles of reliability, transparency, and exceptional customer service, Impress IT delivers managed IT support, cloud infrastructure, cybersecurity, and technology consulting to small and mid-sized businesses across industries including construction, engineering, manufacturing, healthcare, and professional services.

Impress IT Solutions is a Microsoft Azure partner and holds expertise in cloud migration, Hyper-V virtualization, zero-trust network access, and enterprise application hosting.

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To schedule an interview with Roland Parker, CEO of Impress IT Solutions, or to request additional information about this project, please contact info@impresscomputers.com or call 281-647-9977.

A full technical white paper documenting this project is available at:

www.impresscomputers.com/zero-downtime-migration-from-aws-to-azure/

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