

Case Study

Seamess Goud Fansidon, Fom **Manual Errors to Automated Efficiency**

Client

A global leader in transportation technology, specializing in logistics and fleet management solutions. Their operations depend on highly available, missioncritical applications, necessitating a resilient cloud infrastructure for long-term scalability and operational efficiency.

Business Need

The client needed to migrate its on-premises **VMware infrastructure** to Azure to improve scalability, reliability, and efficiency while minimizing downtime. Manual migration processes led to high defect rates, extended downtime, and slow execution, allowing only one customer migration per day. With 150 unique server configurations running mission-critical applications, the transition required a **tailored made** approach to ensure a seamless, error-free migration without disrupting customer operations.

Challenges

- Human errors, limited downtime, and configuration inconsistencies affected migration reliability
- 5-6% defect rate impacted system performance and customer experience
- **Scalability** was limited to one customer migration per day
- **Minimal disruption** was critical, requiring a highly efficient strategy
- Diverse application environments needed **customized** migration plans
- Early issues included **agent delays**, **server restarts**, **and network latency**, causing downtime overruns

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Solution

Leveraging its cloud expertise, Innominds partnered with the client offering a seamless migration plan. The engagement revolved around

- Developing an automated migration framework to eliminate errors and enhance efficiency
- Enabling migrations with parallel execution, optimizing resources
- Minimizing downtime within scheduled maintenance windows
- Conducting application accessibility checks for seamless postmigration functionality
- Migrating Windows Domain Controllers, Active Directory, Application Servers and Database Servers (SQL Server, and DB2) while maintaining performance.
- Following a structured process for Azure setup, VM discovery, replication, execution, and validation

Value Delivered

By transitioning to a fully automated cloud migration strategy, the **company achieved a highly efficient, error-free, and scalable process.** This transformation enhanced operations, reduced costs, and set a benchmark for future cloud migrations.

- **60%** reduction in migration time
- 0% defects, ensuring a smooth transition
- Faster migration, enabling sameday transitions.
- Scalable, repeatable process for future migrations
- Improved reliability, enhancing

Automated Infrastructure & Configuration:

- **PowerShell scripting** for automated VM migration
- Automated disk resizing, DNS updates, and trust detection
- Guest-level monitoring, storage setup, and backup policies
- Legacy tool cleanup (removal of VMware, Commvault, and TeamViewer)
- Configuration validation for DNS, storage, and licensing

Quality Control & Performance Optimization:

- **Optimization of server resizing** and storage (Blob soft delete, network routing, TLS versioning)
- Real-time error tracking and proactive defect monitoring
- DNS resolution checks to prevent post-migration access issues
- Post-migration testing ensuring zero defects and uninterrupted service

customer satisfaction

Tools & Technologies Used

- Azure Migrate Virtual machine discovery and replication
- PowerShell Scripting Automated infrastructure configuration
- Azure Virtual Networks (VNet), NSG, and Recovery Vaults – Cloud infrastructure setup
- Azure Load Balancer & Application
 Gateway Application routing and accessibility
- Automated QC Scripts Postmigration validation and error detection
- On-premises Data Centre VMware

With deep expertise in cloud technologies, Innominds ensures that complex cloud migrations are

executed seamlessly, leveraging automation and industry best practices to drive efficiency, scalability, and zero-defect outcomes.

For more information on seamless cloud migration visit www.innominds.com or contact marketing@innominds.com



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