

# Transforming SAP Migration: Automation and Blueprint-Driven Efficiency

## Overview

A leading Automotive Manufacturing Enterprise sought to migrate its SAP infrastructure from an on-premises data center to the cloud, aiming to enhance scalability, performance, and disaster recovery capabilities. However, the manual and resource-intensive processes of creating multiple environments for development, production, staging, and disaster recovery (DR) posed significant challenges.

Kumorai, with its pre-configured blueprints and no-code automation platform, enabled the organization to streamline its migration, reducing deployment time by 70% and cutting operational costs by 40%. This case study highlights the transformative power of automation in SAP migrations.



## The Challenges

SAP migrations to the cloud are complex and require meticulous planning and execution. The organization faced several hurdles:



## Kumorai's Solution

Kumorai addressed these challenges with its pre-existing and verified blueprints and templates. The following features and actions were pivotal:

### 1. Manual Deployment Processes:

SAP migrations were traditionally time-consuming, error-prone, and required skilled resources to set up multiple environments (dev, staging, production, DR).



### 1. Automated Multi-Environment Creation:

Kumorai's no-code blueprints automated the creation of consistent environments across the SAP landscape. By reducing deployment time from weeks to hours, the platform eliminated manual intervention, speeding up migration and improving accuracy.

### 2. Lack of Consistency, Standardization, and Visibility:

Ensuring consistent configurations across environments was difficult, and there was a lack of visibility into system setups, leading to configuration drift and potential non-compliance.



### 2. Centralized Governance & Compliance

Kumorai's automated compliance and governance framework ensured that configurations, including naming and tagging standards, were adhered to across environments.

### 3. Long Downtimes During configuration Drifts:

Tracking versions of configurations, manual processes, and the inability to easily revert configurations caused prolonged downtime and delayed migrations.



### 3. Disaster Recovery Automation & Version Control:

Kumorai enabled automated configuration backups, rollbacks, and failover configurations, ensuring that disaster recovery processes were streamlined. By tracking configuration versions, the platform allowed for rapid reversion to previous states, minimizing downtime and ensuring business continuity. This approach not only supported smooth migrations but also provided ongoing operational stability, making it easier to maintain consistency and reliability throughout the SAP environment.

### 4. Difficulty Visualizing and Documenting Configurations:

Operations teams struggled to visualize the architecture and lacked proper documentation, resulting in inefficient troubleshooting and decision-making.



### 4. Visual Topology & Centralized Configuration Management:

Kumorai provided a visual representation of the SAP infrastructure, showing the full resource hierarchy and interdependencies. It generated dynamic diagrams and documentation, ensuring that operations and audit teams had easy access to accurate, up-to-date information about the SAP infrastructure.

### 5. Day 2 Operations & Change Management:

Managing ongoing changes, especially across different teams (network, security, cloud), was challenging without a unified process, leading to inefficiencies and fragmented workflows.



### 5. Centralized Change Management & Workflow Integration

Kumorai centralized Day 2 operations through a unified platform. Integrated with ServiceNow, it automated ticketing, approval workflows, and change tracking, ensuring seamless collaboration across teams. This eliminated the need for multiple IAC pipelines and simplified the management of ongoing SAP cloud operations, providing a single platform for full lifecycle management.

### 6. Complex Global Connectivity & Security Management:

Configuring connectivity across globally distributed SAP environments and managing security policies across different teams was inefficient, requiring constant collaboration and increasing response times.



### 6. Automated Global Connectivity & Security Automation

Kumorai automated the configuration of connectivity between globally distributed SAP environments, ensuring seamless interconnectivity across regions. Additionally, Kumorai's security automation capabilities allowed security teams to modify configurations and policies via a single platform, drastically reducing collaboration time and ensuring faster, more consistent policy enforcement across all environments.



## Quantifiable Results

By leveraging Kumorai's automation platform and blueprints, the organization achieved remarkable outcomes:



### Reduction in Deployment Time:

- Automating environment creation reduced deployment times from weeks to hours.
- Consistent configurations eliminated troubleshooting delays.



### Reduction in Operational Costs:

- Automation minimized the need for external consultants and manual intervention.
- Streamlined processes led to fewer errors and rework.



### Reduction in RTO for Disaster Recovery:

- Achieved an RTO of under 30 minutes with automated failovers and preconfigured recovery blueprints.



### Increased Agility:

- Enabled the IT team to create multiple SAP environments (e.g., dev, prod, staging) in parallel.
- Improved responsiveness to business demands with faster updates and changes.



### Enhanced Scalability:

- Migrated the SAP infrastructure to a scalable cloud platform with load-balanced deployments for peak performance.

## Why Kumorai?

Kumorai's platform transformed the organization's SAP migration through:



### Pre-Built Blueprints:

Accelerating deployment with ready-to-use, compliant templates.



### No-Code Automation:

Empowering teams to design and deploy infrastructure without coding expertise.



### Unified Management:

Centralizing visibility, control, and governance across cloud and hybrid environments.



### Continuous Monitoring

Ensuring compliance and proactively resolving configuration drifts.

## Conclusion

This case study demonstrates how Kumorai's automation platform revolutionized the SAP migration process for the organization. By automating infrastructure creation and leveraging verified blueprints, the company not only reduced time and costs but also ensured consistent, secure, and scalable deployments.

If you're planning an SAP migration or managing multi-cloud environments, Kumorai offers a proven path to success. Visit [kumorai.io](https://kumorai.io) to learn more and explore how we can simplify your cloud transformation.