# MIGRATE PAYROLL ISV TO AWS FOR SCALABILITY & PERFORMANCE

PROBLEM STATEMENT

· **Performance Bottlenecks:** Payroll application slowed during peak processing periods (month-end, quarter-end, year-end), impacting thousands of concurrent users.

· **Scalability Limitations:** On-premises Nutanix infrastructure couldn't efficiently handle surges in demand.

· **Client Escalations:** Users experienced delays when downloading payslips, leading to service dissatisfaction.
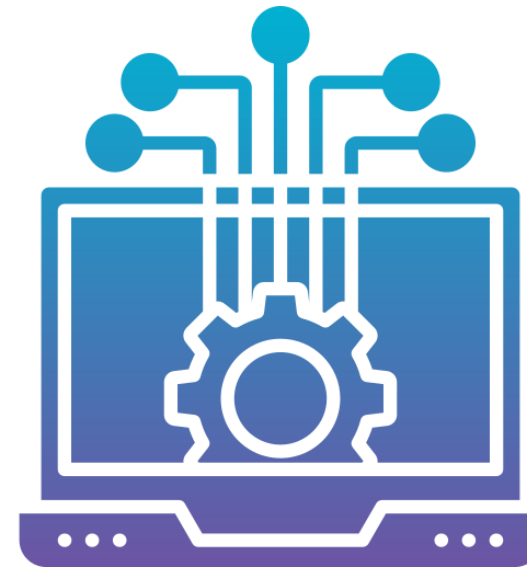
SOLUTIONS OFFERED

· **Migrated** enterprise workloads to AWS using Amazon EKS for container orchestration with Horizontal Pod Autoscaler (HPA) to scale dynamically.

· **Implemented Amazon RDS (Multi-AZ)** for high availability of MS SQL databases, Amazon S3 for backups, and AWS WAF for application protection.

· **Leveraged AWS Systems Manager** (Resource Groups, Automation, Explorer) for centralized management and monitoring.

· **Automated** provisioning using AWS CloudFormation to ensure consistency and avoid manual console changes.
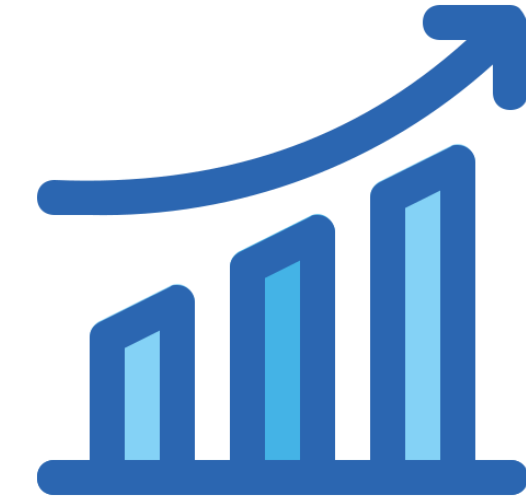
BUSINESS OUTCOMES

· **40% faster performance** and 30% cost reduction compared to on-premises.

· **Zero downtime** during peak payroll cycles with automatic scaling in EKS.

· **Improved security posture** with 100% encryption and controlled key management.

· **High availability** ensured via Multi-AZ deployments and workload resilience best practices.

· **Optimized operations** with reduced manual maintenance through automation.