**SMBCTEX-004 – Migration Capability Document**

**Project Title:** IX-RD-PS-Infinity-01 Migración y modernización infraestructura Infinity  
**Document Title:** Migration Capability Statement  
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**Purpose**

This document outlines the AWS Partner’s technical and procedural capabilities to plan, execute, and support the migration of workloads from on-premises infrastructure to Amazon Web Services (AWS) for Seguros Patria. It details the tools, frameworks, and expertise employed to ensure secure, efficient, and cost-effective workload migration.

**Migration Objectives**

* Migrate key business applications (IIS, SQL Server, File Shares) to AWS
* Modernize data storage and operational tools
* Minimize downtime and business impact
* Enhance scalability, performance, and security post-migration

**Migration Methodology**

Migration followed the AWS-recommended 3-Phase Framework:

**Assess**

* Conducted discovery and analysis using manual audit and AWS Systems Manager Inventory
* Identified dependencies among database, file storage, and authentication systems
* Created a Total Cost of Ownership (TCO) model using AWS Pricing Calculator

**Mobilize**

* Designed and deployed the AWS Landing Zone
* Defined secure VPCs, IAM policies, and resource tagging standards
* Established connectivity and replication paths where needed

**Migrate & Modernize**

* Migrated legacy Active Directory to AWS Directory Services
* Moved SQL workloads to Amazon RDS for SQL Server
* Migrated file services to Amazon FSx for Windows File Server
* Lift-and-shift EC2-based workloads including Microsoft IIS
* Implemented AWS Backup and CloudWatch post-migration for resilience and observability

**Migration Tools Used**

| **Tool / Service** | **Purpose** |
| --- | --- |
| AWS Systems Manager | Inventory, patching, and access |
| AWS Backup | Pre- and post-migration data backup |
| Manual Scripted Processes | Data and app transfer for IIS & FS |

**Workloads Migrated**

| **Component** | | **Source** | **Target AWS Service** |
| --- | --- | --- | --- |
| Microsoft AD | On-prem (none) | | AWS Directory Service |
| SQL Server | On-prem | | Amazon RDS for SQL Server |
| IIS Web Apps | On-prem VMs | | EC2 Windows + ALB + WAF |
| File Storage | On-prem network | | Amazon FSx for Windows |

**Migration Timeline**

| **Phase** | **Duration** |
| --- | --- |
| Assessment | 2 week |
| Planning | 4 week |
| Migration | 12 weeks |
| Validation | 2 week |
| Total | ~20 weeks |

**Cutover Approach**

* **Strategy:** Lift-and-shift with DNS cutover and rollback procedures
* **Downtime:** Minimal (off-hours maintenance window)
* **Testing:** Conducted in a demo environment prior to production cutover
* **Validation:** User testing and KPI monitoring post-migration

**Post-Migration Support**

* **Monitoring:** CloudWatch dashboards and alerts
* **Backup:** AWS Backup configured for RDS and EBS
* **Patch Management:** AWS Systems Manager (scan + manual updates)
* **Training:** Sessions delivered to client team via Microsoft Teams

**Challenges & Mitigations**

| **Challenge** | **Mitigation Strategy** |
| --- | --- |
| Legacy file share complexity | Migrated to FSx with user access synchronization |
| Patch timing risks | Staged patch deployment with rollback plan |
| Cost sensitivity | Used cost modeling + delayed multi-AZ setup |

**Conclusion**

The Seguros Patria migration was completed successfully with zero unplanned downtime, adherence to AWS best practices, and notable improvements in reliability, observability, and scalability.

**Sign-Off**

| **Name** | **Role** | **Signature** | **Date** |
| --- | --- | --- | --- |
| [Migration Lead] | Cloud Architect |  |  |
| [Project Manager] | Project Manager |  |  |
| [Seguros Patria Rep] | Client Owner |  |  |