



# SECURED AND SEAMLESS ACTIVE DIRECTORY MIGRATION FOR A GLOBAL BANK

## Client Background



The client is one of the largest banks in Southeast Asia, offering an array of banking and financial services to its customers, spread across multiple locations and provisioning multiple banking services. The bank had approximately 80 business units and three Active Directory (AD) domains that functioned on a legacy operating system.

There was a need for transformation in their banking ecosystem, with integrated business units and AD domains. They needed to migrate service from an older version of the O/S to the latest (Win2012) and consolidate all 3 AD forests to one single forest on Win2012.

Our client had multiple domains and policies which posed inefficiencies during the new configuration deployment and integration with applications. This resulted in an increased administrative overhead cost.

Given the size, complexity and security involved, the client was in search of a trusted technology partner that could ensure a powerful migration solution with minimum business downtime.

## KEY BENEFITS

**Reduced manual efforts** in Active Directory migration by 50%

**Slashed migration time** for single Windows Server from 2 hours to 15 minutes

Achieved a **minimum system downtime** of five minutes per server with marginal user disruption and zero data loss

**Improved security** using the new AD on Win2012, with new security features such as biometric authentication, and zero vulnerabilities with updated security patches

**Easy management and standardization** of business units under a common AD



## The key objectives of the client included:



A new secured Active Directory design-based solution



Build, implement and deploy a new forest AD design for Banking Customer



Migration of existing workgroup and old AD objects to latest AD structure



Migration of multiple existing ADs to a centralized AD



Training client's internal IT team with AD migration and design skills



The client chose Xoriant because of their product engineering pedigree, to seek a new, integrated and secure Active Directory environment. Xoriant devised a flexible approach for the migration strategy - from planning, design and implementation of the new AD for the client.

### KEY CONTRIBUTIONS:

- Design of a robust, secured domain framework using Windows Server 2012 R2, forest and domain tree architecture to serve the functional and technical security requirements of banking customers.
- Creation of scripts to migrate users and computers from source to target domain.
- Used ADMT automation tool for migrating user profiles from Workgroup Network to Target AD Domain.
- Setup and configuration of a lab to test legacy domain apps post-migration, from 32-bit architecture domain to 64-bit architecture AD Domain.
- Implementation and configuration of Active Directory Migration Tool v3 and User Password Migration Server to migrate passwords from source to target domain.
- Hosted a rigorous training course with lab exercise for knowledge transfer on Active Directory Win2012 Server R2 and ADMT v3.2 tool for the client's IT team and desktop team.
- Creation of scripts to add bulk users in AD and modify DNS entry on all the systems using group policy objects.

### Technology Stack

Windows Server 2012 R2 | VMWare ESX | PowerShell Script | ADMT v3.2 | MS Support Tools

### Client Testimonial

“ Our goal was to create an integrated banking ecosystem with connected business units and active directory domains. Xoriant designed a secured Active Directory framework, partially automating domain consolidation. This reduced our bank's overall administrative overhead cost, delivering a secured AD infrastructure environment. ”



Client