

**Driving enhanced user
experience for UK-based
surveyors by migrating
workloads from ADFS to
Azure Active Directory**

 **Case study**





Client

The client is a UK-based professional body for surveyors. It works at a cross-governmental level and aims to promote and enforce the highest international standards in valuing, managing, and developing land, real estate, construction, and infrastructure. The client is linked to other national surveying institutions and collaborates with professional bodies to establish international property measurement standards. It also produces cost information and professional guidance on valuation and other activities.

The client's existing infrastructure consists of legacy, homegrown, & COTS applications that are either ASP.Net-based, Java-based, or PHP-based. These applications are securely protected by an on-prem active directory federation services (ADFS) solution using security assertion markup language (SAML) and web services federation (WS-Fed) protocols.



Challenges

- Need for a cloud platform solution to strengthen security, agility, scalability, and a cost optimized SSO solution
- Achieve silent login experience to the applications
- Parallely run existing ADFS solution and new Azure AD solution until complete migration
- Consolidate users across multiple AD forests/domains



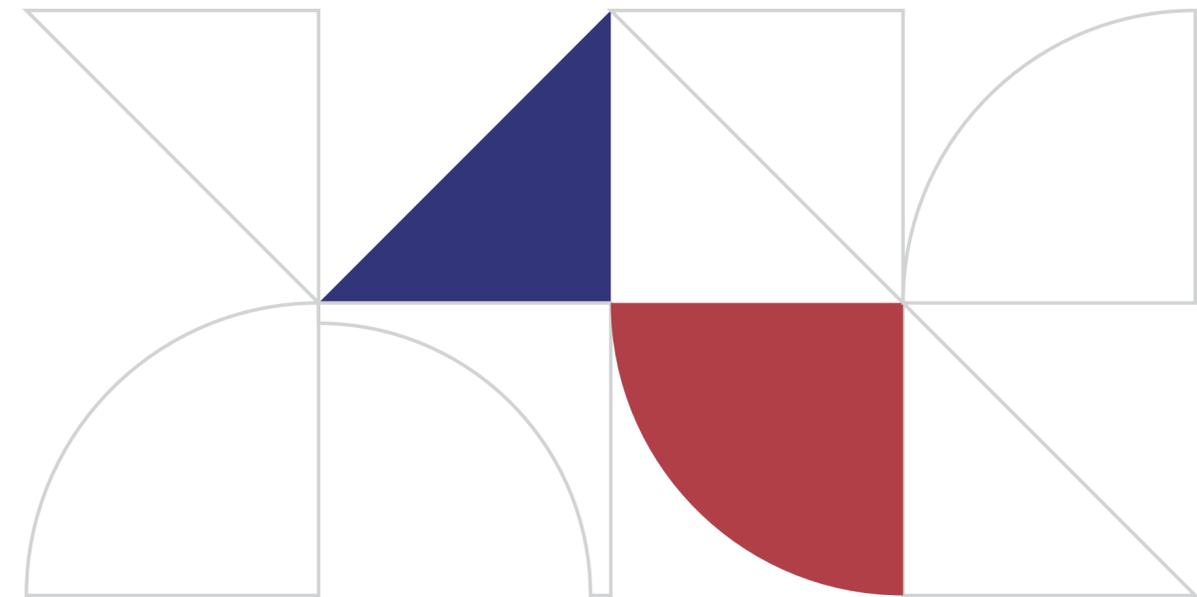
Solutions

We helped the client save costs through cloud migration security services and meet all major security compliances.

First, we conducted an eight-week assessment to understand the existing ADFS solution. Next, we created a plan to facilitate migration to Azure AD.

We undertook the following activities:

- Served as the intelligent migration advisor to design and implement the secure, agile, and scalable Azure AD solution
- Migrated single sign-on from the ADFS solution to leverage Azure Active Directory capabilities in a phased manner
- Used REST APIs to enable silent login capabilities instead of identity provider login that necessitates user credentials
- Migrated 35 applications from ADFS to Azure Active Directory in a phased manner
- Re-used the Microsoft Authentication Library (MSAL) code across applications for user authentication





Business Impact:

- Silent login user authentication for Adobe Experience Manager (M&J) application
- Seamless user login experience
- User sync and creation of hybrid IDs on Azure AD for internal and external users
- Parallel run of user authentication via existing ADFS as well as new Azure AD solution
- Roadmap to integrate more applications and leverage secured OAuth capabilities of the Azure Active Directory solution



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