

Gerry Gibbins

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Availability: **September 2019** Nationality: **British**

Security Clearance Level: **SC, NPPV3** Driving Licence: **Full UK**

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| PERSONAL PROFILE |

A Security Cleared (SC) hands-on enterprise & identity architect, with over 17 years of experience in Enterprise Architecture, including design & provision of secure service-oriented cloud architect & strategic business solutions (IaaS, PaaS and SaaS). As well as comprehensive experience of Microsoft Operating systems. Highly effective, self-motivated, proven expertise in design & timely delivery of heterogeneous enterprise solutions.

Flexible and forward-thinking with proven ability to manage or work as part of a team & communicate effectively at all levels. Experienced with recognised business change methodology frameworks.

Experience of producing comprehensive technical designs, reviews, implementations, migrations & managing of teams. Experience of working with Agile and the Open Group Architecture Framework (TOGAF) for the compilation of detailed high and low-level design documents involving TDA governance, reviews and change management for assurance of designs.

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| Key Skills |

* Microsoft Office 365 cloud integration and transitions
* Azure Active Directory (AAD B2B & B2C), identity synchronisation AAD Connect, conditional access, Federation Services (ADFS), InTune MDM, MAM policies,
* Azure portal management, Advanced Threat Protection
* Skype for Business & online, TEAMS, OneDrive for business, SharePoint, Sway, Delve
* ExpressRoute
* Cloud-based IaaS, PaaS and SaaS solutions
* Microsoft Identity Manager (MIM/FIM)
* PKI certificate services, encryption (software and hardware), Remote Access
* Senior Infrastructure Architecture experience within large organisations (tens of thousands of users/hundreds of business applications) and complex estates (multiple business units with differing models/hundreds to thousands of physical locations).
* Extensive experience in designing, reviewing and delivering complex secure solutions from gathering customer requirements through comparison, evaluation, proof of concept, pilot, UAT and transition to production environments.
* Production of high-quality technical and non-technical project documentation including high and low-level designs.
* Providing constructive reviews of others’ technical designs including external suppliers.
* Extensive knowledge of Active Directory (AD DS) in secure environments.
* Knowledge of networking technologies, Firewalls, AV, IDS, IPS, Content Management.
* Excellent communication skills (verbal and written) at all levels.

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| CAREER HISTORY |
| Oct 2016-Aug 2019 **Home Office, London** |

Strategic National IAM Lead Architect and TDA for Policing:

Responsible for designing an End-to-End National IAM solution for Policing and other law enforcement agencies across the UK.

Working closely with Home Office National Application Service programmes, security architects, Microsoft & SailPoint (as a partners) to gather and ensure all business requirements & technical constraints were documented & catered for with designs.

* Running technical workshops
* Overseeing and performing Technical Design Assurance on bot supplier & internal detailed technical designs
* Providing reference architecture input to describe the components of Azure required to create, deploy and support new developments, test, and production services and capabilities on Microsoft’s Azure Cloud platform using IaaS and PaaS services.
* In-depth technology reviews of Azure technologies, particularly Azure AD B2B and B2C with Custom Policies. KeyVault, Storage Accounts, Service Fabric, SQL Server Managed Instances, API Management, App Gateway, Service Bus, Azure Monitor, Security Centre, Jump Boxes, & Azure AD Privilege Identity Management. ARM templates deployment using Azure DevOps and Visual Studio.
* Azure cloud networking including Virtual Networks, VNet Peering, tier subscriptions, ExpressRoutes, Traffic Manager
* In-depth technology reviews with SailPoint of their governance & provisioning IdentityNow product.
* Creation of Multi-Factor Authentication Strategy.
* Close technical design alignment with the Policing National Enablers Programme, which is providing Windows 10, Hello for Business biometrics, Office 365, Azure AD B2B.
* In-depth design of AAD B2C connectivity of Identity Providers and Relying Parties utilising ODIC and SAML 2.0.
* Presenting design solutions to the Home Office TDA board.
* Working with network architects & contributing to trust cloud gateway designs.

Tactical National IAM Architect and TDA for Policing:

A project to move the ageing existing IAM & PKI solution to an IaaS based cloud platform in AWS.

* Working with the supplier that maintains the legacy system and assisting in designs to migrate to AWS cloud.
* Evaluation of VPCs, RDS, Cloud & network HSMs along with many AWS service features.
* Setup and configuration of AWS accounts for various environments.
* Security review, audit controls and monitoring.

Enterprise Architect & Identity Consultant. Sitting TDA member & responsible for the production of technical detail designs and delivery of:

* A replacement PKI solution based on Microsoft ADCS for 32k users.
* Identity Access Management (IAM) based on Microsoft Identity Manage 2016 (MIM) for Exchange GAL and free/busy information synchronisation, hosted in AWS Cloud, on Amazon Elastic Compute Cloud (EC2) instances with AWS Elastic Load Balancing (ELB).
* Creation of a detailed Unified Communication infrastructure design and migration plans from OCS 2008 R2 to Lync 2013 Hybrid and to Skype for Business Online/MS TEAMS for the Office 365 project. Also hosting of servers in AWS.
* Presenting design to technical design authorities (TDA) for approval to build and transition into service.
* Consulting on transition and migration details, enabling the journey of users, data and applications to the cloud.
* Detailed reviews of supplier designs for Exchange hybrid, Exchange Online and Office 365, closely working with the Microsoft FastTrack team.

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| CAREER HISTORY |
| Oct 2014-Oct 2016 **Ministry of Justice, London** |

Enterprise Architect / Office 365 & Identity Consultant. A major refresh of End User Computing Services (EUCS) across the National Probation Service, Court Service, Tribunals and Arm’s Length Bodies to modernise the day-to-day IT provision for 37,000 users.

Responsible for the overarching architecture to enable the Technology Transition Programme to migrate from the incumbent EUCS suppliers and commercial arrangements for IT Services to a Target Operating Model.

Overseeing and technical assurance of the designs and implementation of key elements of an Internet Desktop cloud solution for 10,000 users based on Microsoft’s cloud offering, incorporating Office 365 and Azure AD. ‘Internet Desktop’ client devices were Windows 10, with a proportion joined to Azure AD and managed along with IOS and Android by Intune with MFA controls. Azure Remote App (now XenApp Express) and Azure Application Proxy were used for connectivity to legacy applications within the ‘on-premises’ network via Express Route. Some older legacy applications were presented via a Citrix Netscaler/XenDesktop 7.6 VDI solution. A number of users with more complex requirements logged on via the SCCM managed ‘on-premises’ AD domain-joined Windows 8.1/10 devices. User email and file data were migrated to the cloud and accessed via Outlook, Onedrive for business and SharePoint Online for share data. Azure AD Connect was in place for account synchronisation between the two environments. This was initially built in a proof of concept environment before a successful pilot led to the introduction of the systems into production.

With my extensive knowledge of Microsoft technologies, specifically Azure AD Connect and ADFS, I lead the architecture team through various low-level decision challenges from the attribute used for Sourceanchor and creation of ImmutableID, to the Conditional Access settings used. One of the major challenges was developing in place policies which can restrict access to O365 services, for browser applications, rich client applications, mobile phone applications and “on-premises” applications accessed using AAD Application Proxy.

I also developed and assured conceptual, logical and physical architectural products to advise on the architecture and strategy for the Programme. These typically included:

* Architecture Views
* Position papers
* Diagrams & Architecture Models
* Presentations
* High-Level Transition Solutions

Made active contributions to the governance of the procurement and delivery through various forums and processes. Including:

* Change Management
* Service requirements/dependency management forums
* Risk and Issue Management

Major designs that I contributed to and reviewed: Overarching Solution, AD DS, AD FS, Azure ADC, Conditional Access, PKI, Anti-Malware, IdAM (MIM), Network management tooling.

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| May-Oct 2014 **Microsoft Consultancy Services, Reading / London** |

Enterprise Identity Consultant (SME) –Windows Server 2012 R2 DirectAccess solution architecture design for **Nationwide Building Society** and Active Directory (AD DS, AD FS & AD CS PKI) solutions for **Standard Bank**.

* Running discovery and requirement gathering workshops
* Formulating envisioning and detailed design documents for Server 2012 R2, including naming standards, DNS, DHCP designs as well as all granular components of Active Directory, DirectAccess to a high-security standard.
* Workshops and the designs of AD FS 3.0 and AD CS (PKI)
* Reviewing existing enterprise infrastructure and migration plans

Enterprise Federated Identity Consultant for **Tesco**, – Designed and implemented solutions utilising both AD FS 2.0 & ADFS 3.0 infrastructures with WID & SQL Server DBs for Office 365 and Yammer to support a community of 420,000+ users.

* Capacity sizing, built test labs & production environments. Configuring federation services & Web Application Proxies across multiple data centres, a load-balanced operation for reliant party trusts with Office 365 multi-tenant, Yammer and implementation of Yammer DSync Server
* Production of detailed designs, implementation plans, test plan and operational support documentation for Yammer, AD FS & SCOM management
* Windows Server 2012 R2 server builds, NLB configuration, SQL 2012 configuration for AD FS configuration database
* Designed and implemented Microsoft Forefront Identity Manager (FIM) 2010 R2 with SQL Server 2008 to synchronise AD DS objects between multiple Active Directories to provide automated workflows and business rules

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| March-May 2014 **Attenda, Staines London at Swire Oilfield Services** |

Active Directory Federation Service (ADFS) architect, responsible for the data centre relocation design of AD & AD FS services for Single Sign-On (SSO), DirSync for Office 365, Lync and Web applications. Also the design of the DirectAccess (DA) and PKI (AD CS) for Swire into a new data centre.

* Site discovery and customer workshops to establish requirements
* Hands-on identification for current AD and AD FS configuration, which highlighted some problems, shortcoming in design and configuration of the existing environment
* Constructed a discovery & roadmap document. Compiled the project plan
* Provided a full AD & DNS health check for the globally spanning AD forest. Analysis of results and detailed remediation action plan
* Review of Kerberos, LDAP, Federated authentication standards, certification requirements & design of public key infrastructure (PKI)
* Build & configuration of Server 2012 for new AD FS 2.1, AD FS proxy servers and new Office 365 DirSync FIM 2010 server
* FIM replication troubleshooting and rationalisations with Azure AD (AAD)
* Design and configuration or the AD FS included, certification identification, detailing Relying Party Trusts, Claims, Claims Rules and claims pipeline within the Federation Service.
* Definition of use of the SAML protocol and name identifiers
* Design for migration from using the Windows Internal Database (WID) to use SQL to provide support for SAML artefact resolution and SAML/WS-Federation token replay detection, as well as increased scalability
* Designed the AD FS for resilience by adding network load balancers and SQL cluster replication
* Setup Group Managed Service Account (GMSA) with SPN & migrated ADFS to Windows 2012R2 ADFS 3.0, with Device Registration Service (DRS) and certificate services to provide a Multi-factor authentication (MFA) & SSO for Workplace Join & BYOD environment for Windows 8 clients, iPad, iPhones, Android devices etc.
* Referencing the Windows 8 Security Compliance Baseline, I developed a locked-down, BitLocker encrypted Windows 8.1 build controlled via personally developed GPOs for corporate clients. Microsoft BitLocker Administration and Monitoring (MBAM).
* Requirement gathering & design workshops for server 2012 DirectAccess (DA) and PKI (AD CS) IPsec. Resulting in an end-to-edge model for DA clients to establish an IPsec tunnel for the IPv6 traffic to DA servers, which acts as a gateway to the intranet. Network Location Servers (NLS) design to determine whether DA clients are inside the intranet.

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| August 2013 - February 2014 **COAL IT, London at Lloyd’s Banking Group** |

Hand on Technical and Project Manager, responsible for advising and driving a team of 6 senior technicians to review legacy systems, planning platform migrations and uplifts.

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| November 2012- August 2013 **Virtuoso IT, London** |

Microsoft Solutions Architect representing Virtuoso at various customer site locations.

Xchanging and Surrey County Council, designs, PoC and implementation of a global Single Sign-On (SSO) using Microsoft AD FS providing web-based application access for 8000 users

* Multiple forest user account data cleanse, using PowerShell scripts & Quest Change Auditor

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| September - October2012 **COAL IT, London** |

OnDemand Group / Avail TVN

Solutions Architect for Active Directory redesigns to facilitate a company merger. Technical project lead & managing a critical Active Directory & Exchange design & implementation securely across multiple environments, platforms.

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| March-August2012 **ATOS London – for the BBC** |

JML Secure project (IDAM)

A PM & Technical Lead to oversee a critical Active Directory migration for the BBC. This project was to manage the organisation’s employee identities. Particularly any Joiners, Movers & Leavers (JML) securely across multiple environments, & single sign-on (SSO).

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| June 2008 – March 2012 **Steria, Hemel Hempstead - Government MOJ project - Offender Management National Infrastructure Project (OMNI)** |

Solutions Architect Team Leader for Area Migrations (Designs & implementations)

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| September 2007 – May 2008  **Capio Health Care / Ramsay Health Care - CADES Project** |

CADES – Capio Active Directory & Exchange Separation Technical PM / Technical Design Authority

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| October 2006 – September 2007 **Steria, Hemel Hempstead (Offender Management National Infrastructure Project)** OMNI - Offender Management National Infrastructure |

Team Leader/ Solutions Architect (Active Directory Services) Oct 2006 – Sept 2007

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| February 2006 – August 2006 **Spafax Airline Network, WPP PLC** |

Senior technical project manager for rationalising & consolidating the existing AD & Exchange.

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| May 2005 – January 2006 **London Borough of Haringey** |

Project Server Team Leader & Senior AD Lead for technology refresh for a network of 6000 users.

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| December 2004 – May 2005 **Numerica Group PLC** |

Technical Project Manager AD & Exchange

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| April 2004 – November 2004 **Unisys, Global Infrastructure Services** -Uxbridge, London |

Avis – technology refresh for 5,000 users. Design & install of the Avis Europe IT systems.

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| July 2003 – April 2004 **Steria for BACS** |

The architect for 2003 AD, Exchange 2003, Internet Authentication Service (IAS) (Radius Service).

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| September 2002 – June 2003 **EMAP,** London |

Senior Architect & technical PM -AD & Exchange

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| March-August 2002 **Syntax Consulting, British Land PLC** |

Technical Project Manager

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| November 2001 – March 2002 **Lloyd’s Register of Shipping** |

Technical PM for Global AD

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| September – November 2001 **1E Consultancy, Microsoft Consultancy Services At LloydsTSB** |

AD Architect partnering Microsoft MCS for a 45,000 user worldwide design of Win 2K AD.

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| April – September 2001 **AstraZeneca, Pharmaceuticals** |

55,000 users, Lead AD architect

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| June 2000 – April 2001 **Reuters** - London |

Lead Active Directory architect,MCS Joint Development Program, 18kusers, 450 sites, 150 countries

September 1988- April 2000: - NPI (AMP), Electronic Data Services (EDS) - British Airport Authorities (BAA), Computer Science Corporation (CSC) - Anglian Water Services, British Petroleum & Duckhams Oils, Thomas Cook Group, Hill Samuel Bank TSB Group, Pfizer Pharmaceuticals.

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| Education & Qualifications |

## Currently studying for re-certification of Microsoft Certified Solutions Expert

#### Training attended

Many Microsoft Premier Workshops including Active Directory Migrations, Designing Active Directory Services Infrastructure, Implementing & Administering Microsoft Exchange, Designing & Deploying Microsoft Exchange, administering a Microsoft SQL Server Database, Office 365, Azure AD etc.

**Passed exams:** MCSE, Novell Netware to CNE level in NetWare 4.x, NDS.

CANTERBURY COLLEGE OF TECHNOLOGY 1984-1986 BTech Electronic & Electrical Engineering

ST ANSELM'S, CANTERBURY 1979-84 7 GCSE’s including English, Mathematics, Physics & Technical Design

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| Additional Information |

**DATE OF BIRTH:** 29th January 1968

**REFERENCES:** Available upon request

Hobbies & interests include family life, wife & two young children, friends, home studies in IT-related subjects, modern technology, personal development, gym, golf and motorsport.