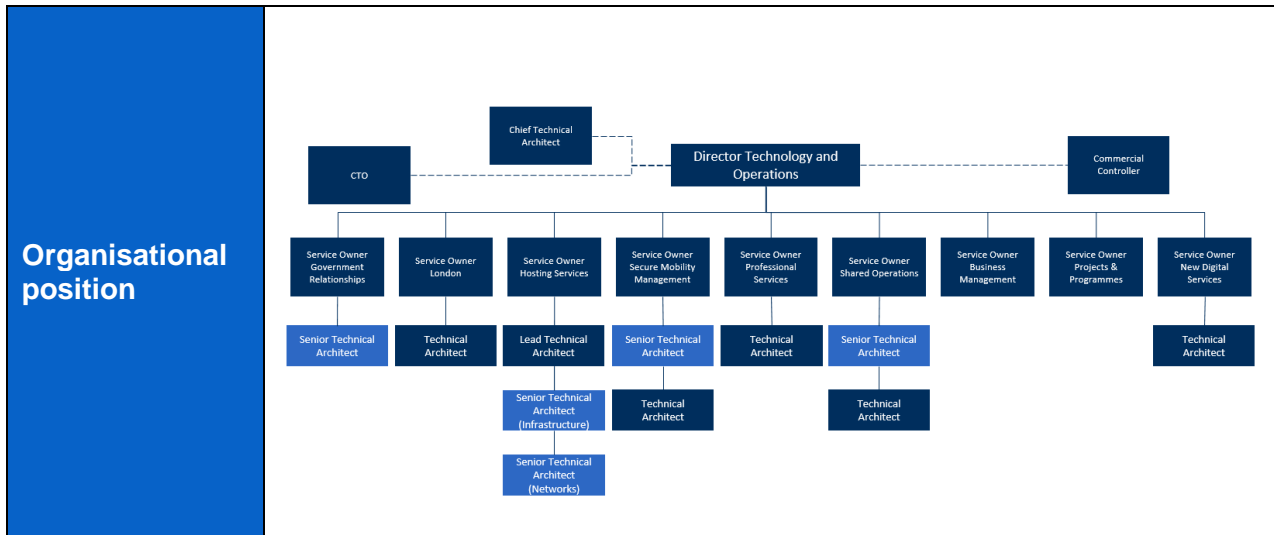


Role Profile



FCDO Services

Role Title	Senior Technical Architect (Infrastructure)
Business group and team	Technology and Operations (Hosting)
Job Purpose Overview	<p>A Senior Technical Architect works with multiple projects or teams on problems that require broad architectural thinking. They are responsible for leading the technical design of systems and services for our customers across government, and can justify and communicate their design decisions.</p> <p>They assure other services and system quality, making sure the technical work fits into the broader strategy for government. They explore the benefits of cross-government alignment. They provide mentoring within teams and to other architects.</p> <p>The Senior Technical Architect will be responsible for leading on technical matters within the assigned service pillar and advising the pillar lead on technical alignment to technical roadmaps whilst ensuring all advice given internal and external underpins the FCDOS Business Plan and customers IT Strategies. The senior Technical Architect will also ensure alignment to government strategies in solution design whilst ensuring NCSC security requirements are met in designed solutions internally and for external customers. They will own and maintain the pillar technical roadmap, which includes advising and planning with the service owner issues such as component/service end-of-life and make recommendations, which ensure return on investment proposed over the agreed timeframe with the FCDOS Finance team. They need to have a deep understanding of the customer's priorities across government including the wider risks and implications of their technical solutions and interoperability with wider government agencies.</p> <p>Through maintaining their technical skills and awareness of the industry, they will seek to ensure that they have a forward view of the service pillar products and assuring that they remain competitive providing market value and benefit.</p> <p>The Senior Technical Architect will give expert advice to the Lead Technical Architect/Head of Technical Architecture Community, keeping them informed and providing assurance that all technical matters comply with FCDO Services technical and security policy and principles. The Senior Architect will also carry out pre-sales technical engagements supporting Sales Teams and CRM in understanding customer requirements, whilst factoring regulatory, legal and customer centric obligations delivering government targets.</p> <p>In addition, the Senior Technical Architect will at times be involved in project work and technical matters outside of their assigned service pillar.</p>



Date Updated	28 May2020		Updated By	RM	
Current / Applied Grade	TPB6	Job evaluation date	1/8/2019	Confirmed grade	TPB6

JOB RESPONSIBILITIES

- Owner of Technical Roadmap for Service Pillar.
- Provide Technical Oversight to escalated 4th Line technical issues mentoring junior technicians in incident & problem resolution.
- Ability to design IoT Solution networks maintaining data integrity across WAN, WiFi and LAN solutions.
- Deliver Wide Area Network Solutions that facilitate interoperability with Government agencies and 5 eye partners when required ensuring UK data integrity is maintained in all solutions.
- Deliver high level and low-level Technical designs for FCDOS and wider government clients.
- Liaising with internal and external customers to refine solution requirements ensuring budgetary targets are met and solutions delivered in time and in budget.
- Providing Technical Assurance to all IT Solutions provided by the FCDOS Teams.
- Ensure compliance and adherence to technical principles and processes as set by Lead Technical Architect/Head of Technical Architecture Community.
- Ensure compliance with technical governance such as Surgery and Digital Design Authority (DDA) Boards.
- Actively contribute to Technical Architecture Community through authoring and reviewing papers within FCDOS, along with presenting and attending community meetings across the government and public sector.
- Attend relevant technical boards as necessary, and represent FCDOS at Technical Events promoting Services and Technology to potential customers across government and Public Sector.
- Produce monthly technical status reports to Lead Technical Architect/Head of Technical Architecture Community.

KNOWLEDGE & KEY SKILLS

- Essential:*
- Has demonstrable experience of working within an Architecture community and leading architecture strategy / proposals for change.

- Is able to demonstrate the ability to liaise with stakeholders/customers and interpret business requirements into technical ones.
- Excellent problem solving, research and analytical skills.
- Excellent communication, leadership, influencing and negotiation skills with ability to lead technical customer workshops and pre-sales technical meetings.
- Ability to deliver High and Low level technical documents for project and customer Deliverables.
- Has a deep understanding of IT security policy interpretation and principles whilst applying these to network access.
- Has experience of working with private and public cloud environments.
- Has experience of working with VMware and Hyper converged infrastructure environments (Infrastructure architect).
- Has experience of working in agile environments, continual delivery techniques and DevOps cultures.
- Has experience selecting successful technologies and establishing technical roadmaps.
- Worked with commercial teams to justify further investment in existing capability, new investment for new technologies and/or retiring capability that has reached end-of-life.

This role should demonstrate knowledge and skills at SFIA level 6.

- Solution Architecture
- Emerging Technology monitoring
- Enterprise IT Governance
- Specialist Advice
- Consultancy

Knowledge required of the Digital Data and Technology Profession Framework (DDaT Skills Levels) for this role:

<https://www.gov.uk/government/publications/senior-technical-architect-skills-they-need/senior-technical-architect-skills-they-need>

Skill	Skill level
Bridging the gap between the technical and non-technical	Practitioner
Making and guiding decisions	Working
Turning business problems into technical design	Practitioner
Understanding the whole context	Working

Essential (Professional Qualifications and Accreditation):

- A Levels / AS Level / NVQ Level 3 / Access to Higher Education Diploma / Advanced Apprenticeships. Preferably in a Computer Science, Computer Systems, Networking / Digital Data Communication or Science, Technology, Engineering or Mathematics (STEM) subjects or relevant job experience.
- Agile Methodologies Foundation, BCS Agile Foundation Certificate or equivalent accreditation or relevant job experience.
- Technical qualifications or relevant job experience:
 - Industry level equivalent to MCITP - Microsoft Certified IT Professional (Infrastructure Architect)

Desirable:

- Management experience
- Experience of working in matrix-management environment
- Enterprise Architecture experience (e.g. TOGAF)

- Experience of working within government and familiar with Government technology strategies, policies and technology guidelines.

Desirable: Digital Data and Technology Profession Framework (DDaT Skills Levels):

<https://www.gov.uk/government/publications/senior-technical-architect-skills-they-need/senior-technical-architect-skills-they-need>

Skill	Skill level
Governance	Practitioner
Strategy	Working

Desirable (Professional Qualifications and Accreditation):

- ITIL Foundation V3 Certification
- Technical qualifications
 - Public cloud vendor qualification - AWS/Azure (Infrastructure Architect)
 - Microsoft Certified Solutions Expert - MCSE (Infrastructure Architect)
 - VMware VCAP Certification (Infrastructure Architect)

CIVIL SERVICE BEHAVIOURS

- Delivering at Pace
- Changing and Improving
- Seeing the Big Picture

CRITICAL SUCCESS FACTORS

Success measured and evidenced by delivery against stated goals and objectives covering at a minimum:

- Delivery of solutions that meet the business, technical and security requirements.
- Deliver Technology Roadmaps for associated Service Pillars in alignment with Information Technology Strategy validated by Lead Technical Architect /Head of Technical Architecture Community.
- Efficiency of technology within service pillar ensuring Green IT.
- Prioritises tasks and understands business needs. Measures the impact of their work. Ensures that services are available for users (99999 approach). Proactively manages problems which underpin service availability by employing programme, project and risk management methodologies appropriately.
- Works in a no-blame culture and feels empowered to make judgement calls. Makes the right decisions at the right time based on the information and evidence available. Takes measured risks and learns from mistakes. Visualises, articulates and solves complex problems and concepts. Applies logical thinking and information from analysis using comprehensive tools and techniques to make and validate decisions. Delivers pre sales technical advice to customers and other team members as required to support the Technology and Operations business.
- Ensures that technical terminology is business-oriented. Translates technical terminology and asks the right questions to find solutions.
- Is a good team player and works effectively across IT operations. Is able to manage challenging relationships with internal and external teams and suppliers. Demonstrates the FCDO Services values and is someone the engineers aspire to.
- Ensures technical knowledge is kept current and ensures accreditations are maintained for the Technology and Operations business.

Budget Responsibility? N	If YES, how much: £ N/A per annum.	If NO can they authorise payments? N
Reports to: (Role Title and Grade)	Service Owner (Hosting)	
Direct Reports: (Number and grades of staff)	None	