

<b>Job Title</b>	Technical Architect (Network SME)
<b>Department</b>	IT
<b>Reports to</b>	Head of Strategy & Architecture
<b>Grade</b>	PC
<b>Purpose &amp; Overview</b>	The Technical Architect, specialising in IP (Internet Protocol) networks, is responsible for designing and continuous improvement of resilient and reliable network architectures that align with organisational status as an OES (Operator of Essential Services) and operator of CNI (Critical National Infrastructure). This role involves leading network-related projects, ensuring resilience, scalability, security, and optimal performance across the organisations sites.
<b>Key Accountabilities</b>	<ul style="list-style-type: none"> <li>• Design and implement scalable and secure IT network architectures, ensuring alignment with business requirements and industry best practices.</li> <li>• Lead network-related projects, collaborating with cross-functional teams to deliver solutions that meet performance, security, and reliability standards.</li> <li>• Assess and recommend network technologies, hardware, and software solutions to support the organisation's strategic objectives.</li> <li>• Conduct network performance analysis, identifying areas for optimisation and implementing improvements to enhance overall efficiency.</li> <li>• Collaborate with cybersecurity teams to integrate network security measures, ensuring the protection of data and systems from cyber threats.</li> <li>• Provide technical guidance and support to IT teams, troubleshooting complex network issues and ensuring timely resolution.</li> <li>• Stay abreast of emerging technologies, industry trends, and best practices in IT networking, providing strategic recommendations for adoption.</li> <li>• Develop and maintain network documentation, including diagrams, configurations, and standard operating procedures.</li> <li>• Create and maintain accurate network diagrams and documentation for the organisations networks.</li> </ul>
<b>Technical Know-How &amp; Skills</b>	<ul style="list-style-type: none"> <li>• Network Architecture: In-depth knowledge of designing and implementing complex IT network architectures.</li> <li>• Routing and Switching: Expertise in routing protocols, VLANs, subnetting, and managing layer 2 and layer 3 networking devices.</li> <li>• Security: Familiarity with network security principles, including firewalls, intrusion detection/prevention systems, and VPN technologies.</li> <li>• Wireless Networking: Proficient in designing and managing wireless networks, including knowledge of 802.11 standards and technologies.</li> <li>• Cloud Networking: Experience with integrating on-premises networks with cloud services and technologies.</li> <li>• Troubleshooting: Strong diagnostic and troubleshooting skills to address complex network issues effectively.</li> </ul>

	<ul style="list-style-type: none"> <li>• Collaboration: Ability to collaborate with diverse teams and stakeholders, translating business requirements into technical solutions.</li> <li>• Communication: Excellent communication skills, both written and verbal, to convey technical concepts to non-technical stakeholders.</li> </ul>
<b>Qualifications</b>	<p><b>Essential</b></p> <ul style="list-style-type: none"> <li>• Degree in Information Technology, Computer Science, or a related field.</li> <li>• Relevant Certifications such as Cisco Certified Network Associate (CCNA) or Cisco Certified Network Professional (CCNP)</li> </ul> <p><b>Desirable</b></p> <ul style="list-style-type: none"> <li>• Expert level Certifications such as Cisco Certified Internetwork Expert (CCIE) or equivalent are advantageous.</li> </ul>