

Program Manager Network & Security Architecture

JOB DESCRIPTION

Summary

We are looking for an experienced Program Manager Network & Security Architecture to lead complex network, cybersecurity and OT architecture initiatives in a large-scale, business-critical technical environment. The role combines program leadership with strong hands-on understanding of IP networking, security architecture, segmentation and industrial/OT environments.

The ideal candidate is able to coordinate multiple technical streams, align architecture and delivery stakeholders, translate security requirements into pragmatic solutions, and ensure consistency between IT, OT and infrastructure domains.

Mission

- Lead and coordinate network and security architecture programs from definition through delivery and operational handover.
- Drive the design and evolution of secure IP network architectures across complex enterprise and industrial environments.
- Coordinate Network Delivery Management activities and ensure alignment between architecture, engineering, security, operations and project stakeholders.
- Define and challenge network segmentation and micro-segmentation approaches using technologies and concepts such as VRF, VDOM and SGT.
- Support software-defined networking initiatives based on Cisco SDA and Cisco Catalyst Center.
- Oversee architecture topics covering routing, DNS, DHCP, WLAN, network access control and IP address management.
- Drive firewalling and secure-flow architecture, ensuring appropriate controls between IT, OT and critical infrastructure zones.
- Contribute to OT and industrial cybersecurity architecture using IEC 62443 principles and the Purdue model.
- Integrate cybersecurity governance requirements, including NIS2 and ISO 27001, into architecture and program decisions.
- Contribute to security risk assessment and architecture reviews, including EBIOS-related activities where applicable.
- Coordinate interfaces with building and technical management environments, including Building Management Systems and EN ISO 52120-1 related topics.
- Support security governance stakeholders and promote consistent security practices throughout the program.
- Produce clear architecture decisions, roadmaps, technical documentation, governance material and executive-level reporting.

Key Skills

- 10+ years of professional experience with IP networking and network architecture.
- Strong expertise in routing, DNS, DHCP, WLAN, Cisco ISE and Infoblox.
- 10+ years of experience with firewalling, network security and secure communication flows.
- At least 2 years of relevant experience with Cisco Software-Defined Access (SDA) and Cisco Catalyst Center.
- Strong knowledge of segmentation and micro-segmentation technologies and concepts, including VRF, VDOM and SGT.
- Proven experience in industrial/OT environments and solid knowledge of IEC 62443 and the Purdue model.
- Experience in railway or other comparable safety-critical infrastructure environments is highly valued; knowledge of signalling technologies such as Interlocking or ETCS is a strong asset.
- Knowledge of NIS2 and ISO 27001 security frameworks.
- Experience with Building Management Systems and EN ISO 52120-1 is an asset.
- Good understanding of cybersecurity risk assessment methodologies such as EBIOS.
- CCNA-level networking knowledge; relevant Cisco certification is an advantage.
- Knowledge of ITIL practices and strong project/program management capabilities.
- Excellent stakeholder management, communication, coordination and decision-making skills.
- Professional proficiency in French or Dutch, combined with good English communication skills.

Profile

You are a senior technical program leader who can operate comfortably at the intersection of network engineering, cybersecurity, architecture and industrial environments. You combine strategic vision with enough technical depth to challenge specialists, structure complex decisions and drive delivery across multiple teams.