



KING INDUSTRIES
JOB DESCRIPTION
Network Engineer- Operational Technology (OT)
Engineering Department

Location: Norwalk, CT

King Industries, Inc. is actively seeking to hire a skilled Network Engineer to join our team in the chemical industry, focusing on Operational Technology (OT) environments. The ideal candidate should have a BS in Computer Science, Information Technology (IT), Operational Technology (OT) or related field, as well as have a strong background in networking and industrial control systems. You will play a critical role in designing, implementing, and maintaining robust network solutions that ensure the security and efficiency of our operations.

Skills Required:

- Regular and consistent attendance at our Norwalk location is required.
- Excellent verbal/ written communication & teamwork abilities.
- High level of competence in the use of PC/ Servers for business and technical applications.
- Excellent organization skills, persistence, good judgment, and attention to detail.
- Knowledge and mechanical ability to design and troubleshoot networking and routing issues at a chemical facility.
- Knowledge of Process Historians and report generation based on data collection.

Education and Experience Requirements:

- BS in Computer Science, Information Technology (IT), Operational Technology (OT), or related field.
- Proven experience (5+years) in network engineering, preferably in an OT manufacturing environment.
- Experience with VMware ESXi is critical.
- Strong knowledge of routing protocols (e.g., OSPF, EIGRP) and VLAN configuration.
- Familiarity with industrial networking standards (e.g., Ethernet/IP, Modbus).
- Experience with cybersecurity frameworks (e.g., NIST, IEC 62443).
- Strong analytical and problem-solving skills.

Duties and Responsibilities:

- Install, Configure, Manage, and Optimize VMware ESXi hypervisors on physical servers.
 - Deploy VMware ESXi clusters, integrating with vCenter Server for centralized management and monitoring.
 - Configure & optimize ESXi host settings, including networking, storage, and security, for improved performance and reliability.
 - Manage and update ESXi hosts with patch management, firmware upgrades, and hot fixes using VMware Update Manager (VUM).

- Create & manage virtual machines within the ESXi environment, including configuring CPU, memory, storage, and networking resources.
- Configure VM snapshots and backup solutions, such as DATTO for disaster recovery and business continuity.
- Use VMware vSphere Client and ESXi command-line interface (CLI) for advanced troubleshooting and host management.
- Automate common administrative tasks in ESXi using PowerCLI, including VM deployment, configuration, and management.
- Utilize ESXi logs, vSphere Health Monitoring, and diagnostic tools for troubleshooting and issue resolution.
- Leverage VMware vSphere API and third-party tools to integrate ESXi with other enterprise systems for improved automation.
- Engage in root cause analysis for incidents, identifying and implementing corrective actions to prevent future occurrences.
- Network Design & Implementation:
 - Design and deploy network architectures for OT environments, including routing protocols, VLANs, and subnetting.
 - Configure and manage network devices (routers, switches, firewalls) to optimize performance and reliability.
 - Replace aged computers and hardware with modern ones – part of a site-wide modernization project.
- Infrastructure Development
 - Design infrastructure improvements to increase data throughput within the plant.
 - Deploy new infrastructure to help advance capital projects and complete jobs within the plant.
 - Understand the connections between the process buildings and how the associated buildings communicate with each other.
- Cybersecurity:
 - Implement cybersecurity measures to protect OT networks from internal and external threats.
 - Monitor network traffic for anomalies and respond to security incidents.
 - Develop and enforce security policies and procedures in line with industry standards.
- Troubleshooting & Maintenance:
 - Conduct regular network assessments and audits to identify vulnerabilities and areas for improvement.
 - Troubleshoot and resolve network issues, ensuring minimal downtime in production environments.
 - Collaborate with IT teams to integrate OT and IT networks where applicable.
- Documentation & Compliance:
 - Maintain detailed documentation of network configurations, processes, and security protocols.
- Process Historian & Database Programming
 - Maintain the Process Historian and reports that are generated and distributed to personnel for process tracking.
 - Ensure reports are being maintained and up to standard for compliance with environmental regulations and process safety management.
- Collaboration & Training:

- Work closely with cross-functional teams, including operations, engineering, and IT, to support network requirements.
- Provide training and support to personnel on network best practices and cybersecurity awareness.

If you are interested in the position, please submit your cover letter and resume to careers@kingindustries.com.