

Private Cloud Operations Engineer

Position Overview:

As a Private Cloud Operations Engineer, you will be responsible for managing and maintaining Nexorra's customers' private cloud installations and ensuring its optimal performance and availability. You will work closely with customer's cloud operation teams and other stakeholders to deploy and support the private cloud environment. Your role will involve monitoring, troubleshooting, and automating the private cloud infrastructure to ensure smooth operations and efficient resource utilization. This position requires a strong understanding of virtualization technologies, networking concepts, and cloud computing principles.

Key Responsibilities:

1. **Private Cloud Management:** Deploy, configure, and maintain the private cloud infrastructure, including virtualization platforms, storage systems, networking components, and other related technologies.
2. **Performance Monitoring:** Monitor the private cloud environment to ensure optimal performance, scalability, and availability. Proactively identify and resolve performance bottlenecks, capacity constraints, and other issues.
3. **Troubleshooting and Issue Resolution:** Investigate and resolve complex technical issues related to the private cloud infrastructure, including VM provisioning, network connectivity, storage performance, and system failures.
4. **Automation and Orchestration:** Develop and implement automation scripts, tools, and processes to streamline private cloud operations, including provisioning, deployment, monitoring, and resource management.
5. **Security and Compliance:** Ensure the private cloud environment adheres to security best practices, industry standards, and compliance requirements. Implement and maintain access controls, security policies, and vulnerability management processes.
6. **Capacity Planning:** Monitor resource utilization trends and conduct capacity planning exercises to optimize the private cloud infrastructure. Recommend and implement scalability and performance enhancements as needed.
7. **Documentation and Knowledge Sharing:** Create and maintain comprehensive documentation, including standard operating procedures, architectural diagrams, and troubleshooting guides. Share knowledge and provide training to team members and end-users as required.
8. **Collaboration and Communication:** Collaborate with cross-functional teams, including developers, system administrators, and network engineers, to support application deployments, resolve integration issues, and improve overall system performance.
9. **Continuous Improvement:** Stay updated with emerging trends and technologies in private cloud computing. Continuously identify opportunities for process improvement, operational efficiency, and cost optimization.

Qualifications and Skills:

- Bachelor's degree in Computer Science, Information Technology, or a related field (or equivalent work experience).
- Proven experience in managing and operating private cloud infrastructure, preferably in a large-scale production environment.

- Strong understanding of virtualization technologies such as VMware, Hyper-V, or OpenStack.
- Familiarity with software-defined networking (SDN) concepts and technologies.
- Proficient in scripting and automation using languages like PowerShell, Python, or Bash.
- Experience with configuration management and infrastructure-as-code tools like Ansible, Terraform, or Puppet.
- Solid understanding of networking principles (TCP/IP, DNS, DHCP, VLANs, etc.) and storage technologies (SAN, NAS, etc.).
- Knowledge of security best practices and experience implementing security controls in a private cloud environment.
- Strong analytical and problem-solving skills with the ability to diagnose and resolve complex technical issues.
- Excellent communication and collaboration skills, with the ability to work effectively in a team-oriented environment.

Please send your CV and cover letter to info@nexorra.com with email topic Private Cloud Operations Engineer.