

## □□□□ : System Operation Engineer

#### MM SAFRAN DODD

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System Operation Engineer

Bibbs ponsible for deploying, managing, and optimizing enterprise infrastructure to ensure high efficiency and availability. This role requires comprehensive technical skills and

problem-solving capabilities to support enterprise virtualization platforms, storage systems, backup, and recovery solutions. containerization technologies, and Loading balance, Reverse Proxy systems.

#### Key Responsibilities

- 1.Infrastructure Management
- o Manage and maintain physical servers and storage devices to ensure hardware stability.
- o Provide secure and reliable data storage solutions, ensuring data availability and safety.

# 2. Virtualization Platform Management

o Administer VMware vSphere and other virtualization platforms to optimize environments and deliver high availability.

#### 3. Operating Systems and Enterprise Services Management

- o Manage and optimize various operating systems (Windows Server, RHEL ,Ubuntu etc.).
- o Support and maintain Microsoft O365 services, including Exchange Online, SharePoint,
- OneDrive, and Intune.
- o Utilize automation service platforms (e.g., ZOHO, Ansible) for efficient operations.

## 4. Containerization and DevOps Practices

- o Deploy, manage, and monitor containerized applications using Docker.
- o Implement basic DevOps practices to streamline development and deployment processes.
- o Collaborate with development teams to integrate container solutions into CI/CD pipelines.

## 5. Reverse Proxy and Load Balancing Systems

- o Configure and maintain reverse proxy and load balancing systems such as NGINX and HAProxy.
- o Ensure high availability and scalability of enterprise applications through effective traffic distribution.

# 6.Backup and Recovery

- o Plan and execute routine backups using tools like Veeam and Synology Active Backup for Business (ABB).
- o Develop and periodically test disaster recovery plans (DRP) to ensure data integrity and availability.

# 7.Storage Management

o Configure and manage multi-brand storage devices (e.g., Synology, DELL EMC) to support fast data access and disaster recovery.

# 8. System Performance Monitoring and Optimization

- o Utilize monitoring platforms (e.g. ZABBIX ,Grafana ,ELK ,Prometheus) for real-time performance monitoring.
- o Prioritize and resolve issues promptly, continuously optimizing resource utilization.

### 9. Technical Documentation and Knowledge Sharing

o Maintain comprehensive technical documentation, including system topology diagrams and data flow diagrams.

o Share knowledge and best practices with team members to promote continuous improvement.

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**Modualifications** 

- 1.Education
- o Bachelor's degree in Computer Science, Information Systems, or a related field.

#### 2. Work Experience

o Minimum of 5 years of experience in system engineering or related roles with a solid understanding of infrastructure.

#### 3.Technical Skills

- o Proficient in VMware vSphere and other mainstream virtualization platforms.
- o Familiar with Microsoft O365 and related technologies (Active Directory, Azure, Exchange,
- o In-depth understanding of Windows and Linux operating systems with practical deployment and operation experience.
- o Experience with containerization technologies, specifically Docker, including deployment, monitoring, and maintenance.
- o Familiarity with DevOps practices and tools to enhance deployment and operational efficiency.
- o Proficient in configuring and managing reverse proxy and load balancing systems such as NGINX and HAProxy.
- o Familiar with mainstream storage devices (Synology, DELL EMC) and backup solutions management and maintenance.
- o Strong networking and security awareness with an understanding of data networks, network security, and databases.

## 4.Personal Attributes

- o Excellent problem-solving and analytical skills.
- o Independent thinker, calm under pressure, with a strong sense of responsibility.
- o Good written and verbal communication skills in both English and Chinese.
- o Strong organizational, communication, and coordination abilities.
- o Detail-oriented and methodical in work.
- o Skilled in using automation tools or scripts (e.g., PowerShell, Bash) to improve daily operational efficiency.

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