

As the Server Administrator Storage, you will design and maintain the Airports Authority's storage technologies.

JOB DESCRIPTION

- Server Administrator Storage
- Works under the general supervision of the Datacenter Operations Manager.
- Serves in the Technology Operations and Support Department of the Office of Technology, and is located at Washington Dulles International Airport (IAD).

Designs and maintains the Airports Authority's storage technologies, ensuring systems run efficiently and provide the capacity to support the Airports Authority's needs. Performs related functions.

GENERAL RESPONSIBILITIES

- Provides comprehensive reporting and metrics for storage use and performance; conducts problem analysis and works toward continuous improvement in server effectiveness.
- Monitors and maintains server operating systems and components. Develops, tests, and implements complex operating system components, software tools, server hardware, and utilities.
- Serves as a second-level technical problem escalation resource; troubleshoots problems and executes complex analysis procedures in response to trouble reports.
- Regularly reports on and forecasts storage needs, growth, and capacity. Reallocates space and may lead storage intensive projects for the larger Office infrastructure engineering team.
- Monitors, maintains, and implements data replication schemes for disaster recovery. Performs system upgrades, patches to the storage area network (SAN), and data recovery in the event of a disaster.
- Researches, tests, certifies, and participates in selection of technology products required for server and storage solutions.
- May perform administrative tasks such as setting up/modifying user privileges, maintaining system and software operations, and ensuring access rights are in sync with business needs.
- Writes and updates technical notes, instructions, change control plans, and procedures. Coordinates maintenance of the collective policies, procedures, and technical knowledge base of the department with the Program Support group.
- Documents changes made to the system and communicates analyses of problems to others on the team. Documents system design and dependencies, change and problem history, backup, restoration, and disaster recover procedures, and maintenance.
- Creates support documents for deploying storage solutions with recommended architectures.
- Develops and integrates mature storage administration and engineering processes for the Airports Authority's global, multi-terabyte storage infrastructure.
- Defines standard engineering designs, templates, processes, and procedures for implementing projects that follow existing Airports Authority architectures.
- Stays current in industry trends and best practices in the areas of SANs and data protection.
- Performs other duties as assigned.

QUALIFICATIONS

- Eight years of progressively responsible experience in server administration including supporting and managing Windows/Linux servers in a production environment; implementing metrics and service catalogs; and managing all aspects of storage administration/virtualization/disaster recovery.

KNOWLEDGE, SKILLS AND ABILITIES

1. Knowledge of and skill in using EMC storage tools and applications (e.g., Unisphere, Powerpath, ESRS).
 2. Knowledge of and skill with DR/Replication/Backup and its relation with SAN storage
 3. Knowledge of and skill with storage tiering and thin provisioning.
 4. Knowledge of and skill managing multi-terabyte storage infrastructure in a large-scale production environment spanning multiple storage solutions.
 5. Knowledge of and ability to architect fault-tolerant, high-availability, and Disaster Recovery and replication solutions for 24x7 system uptime using EMC replication tools and technologies including defining backup / recovery strategies to ensure system recoverability.
 6. Ability to define Linux/Microsoft server standards and SAN/storage system standards for production and non-production environments with large and very large enterprise footprints.
 7. Ability to analyze failed components that affect the SAN infrastructure and provide detailed troubleshooting to determine the underlying cause (RCA) and recommends solutions.
- Ability to perform complex analyses of data and information and make recommendations.
 - Ability to speak and write effectively.

PREFERRED QUALIFICATIONS

- Expert knowledge of Cloud Computing and Cloud Infrastructure.
- Experience with Capacity Management tools and processes.
- Experience with EMC Remote Protection Suite or EMC Total Protection Pack.
- Advanced vendor certification training in one or more of the technologies supported, such as Symantec Netbackup, Symantec Enterprise Vault, or Dell Storage.
- Professional certification with EMC, Linux Red Hat, or Microsoft Windows Server.

EDUCATION

- A Bachelor's Degree in Computer Science, Telecommunications, Management Information Systems, or related field, or an equivalent combination of education, experience, and training that totals four years.
- A fully equivalent combination of education and training beyond what is needed to satisfy the education requirement may be used to substitute for up to two of the eight years of experience. For example, a master's degree may substitute for two years of experience.

CERTIFICATIONS AND LICENSES REQUIRED

- A state driver's license in good standing.

NECESSARY SPECIAL FACTORS

- Work is typically reviewed in progress and upon completion for quantity, quality, timeliness, teamwork, customer service, and other factors.
- Works a varied schedule of days and hours outside normal business hours for scheduled and emergency maintenance, upgrades, and standard on-call rotation.