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BSIT 4D

Activity #3 – Individual Activity

Search atleast 3 comapanies on how they Maintain their Server operation and how they handle server failures. Please also indicate the following:

Name of the Company:

Type of Server they use:

Type of Service:

Executive Summary:

Resolution:

## 1. Google

Type of Server they use: Custom-built servers with a focus on efficiency and scalability.

Type of Services: Search engine, cloud computing, and data analytics.

Executive Summary: Google ensures server reliability through proactive monitoring, regular hardware upgrades, and deploying automated tools to manage server performance. They use distributed systems to minimize downtime and maintain service availability.

Resolution: In case of server failures, Google reroutes traffic to other servers using load balancers and backup systems to ensure uninterrupted service.

## 2. Amazon (AWS)

Type of Server they use: Virtualized server infrastructure with multi-region data centers.

Type of Services: Cloud computing, storage, and machine learning services.

Executive Summary: AWS maintains its servers by implementing redundant systems, automatic failovers, and comprehensive monitoring. Regular patch management and security updates prevent vulnerabilities.

Resolution: AWS resolves server failures through automated incident management tools and ensures rapid data recovery using distributed backup systems.

## 3. PITS Technology

Type of Server they use: Managed IT systems and custom configurations for small to medium businesses.

Type of Services: Cybersecurity, data backups, and server management.

Executive Summary: PITS Technology emphasizes proactive maintenance by monitoring server health and offering 24/7 IT support. They implement robust backup and disaster recovery solutions to ensure data integrity.

Resolution: During server failures, PITS employs rapid-response teams and a detailed disaster recovery plan to minimize business impact.