**JEROME P. PEDUCA**

**BSIT 4-D**

**ACTIVITY 3 : SERVER MAINTAINANCE**

**SA101 – SYSTEM ADMINISTRATION AND MAINTAINANCE**

Base on the module 3 Discussion in Server Maintenance. Search at least 3 companies on how they Maintain their Server operation and how they handle server failures. Please also indicate the following:

**Name of the Company**: Amazon

**Type of Server they use:** Amazon Web Services (AWS)

**Type of Services:** Cloud Computing, Serverless Computing, Artificial Intelligence, Machine Learning, Database, Storage, Networking, and Containers.

**Executive Summary:** Amazon Web Services (AWS) is a cloud-based platform that provides a range of services, including cloud computing, serverless computing, artificial intelligence, machine learning, databases, storage, networking, and containers. AWS provides a wide range of features and capabilities to help organizations manage their server operations. They offer a range of server failure management options, including automated server failure recovery, proactive server monitoring, and resource-level scaling.

**Resolution:** AWS provides a range of tools and services to help users maintain their server operations and handle server failures. These include automated server failure recovery, proactive server monitoring, and resource-level scaling. Additionally, AWS offers a range of other services, such as cloud computing, serverless computing, artificial intelligence, machine learning, databases, storage, networking, and containers, that can help organizations manage their server operations.

**Name of the Company:** Microsoft Azure

**Type of Server they use:** Cloud Servers

**Type of Services:** Microsoft Azure provides cloud-based services to manage, scale, and deploy applications and infrastructure.

**Executive Summary:** Microsoft Azure offers a range of services for maintaining and managing servers. These services include monitoring and alerting, backup and disaster recovery, patch management, and more. The Azure platform is designed to provide high availability and reliability for server operations.

**Resolution:** Microsoft Azure provides a variety of tools, features, and services to maintain server operations and handle server failures. These include automated backup and recovery, patch management, and monitoring. To ensure high availability and reliability, Microsoft Azure also provides a range of services such as load balancing, auto scaling, and more. Additionally, the Azure platform provides a variety of tools and services to troubleshoot and resolve server issues.

**Name of the Company:** Google Cloud Platform

**Type of Server they use:** Google Compute Engine (virtual machines)

**Type of Services:** Infrastructure-as-a-Service (IaaS)

**Executive Summary:** Google Cloud Platform provides a range of services for the maintenance and operation of server operations. Google Compute Engine provides virtual machines for hosting and running applications, and Google Cloud Platform provides a range of services for the operation of server operations such as storage, networking and security. Google Cloud Platform provides a range of tools for monitoring server performance, such as Google Cloud Monitoring and Google Stackdriver.

**Resolution:** Google Cloud Platform provides a range of services to help maintain and operate server operations. Google Compute Engine provides virtual machines for hosting and running applications, and Google Cloud Platform provides a range of services for the operation of server operations such as storage, networking and security. Google Cloud Platform provides a range of tools for monitoring server performance, such as Google Cloud Monitoring and Google Stackdriver, and provides a range of services for handling server failures such as auto-scaling, self-healing, and auto-restarting.