

difference's in operating systems of cloud

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Welcome to cloud os showdown!

In this presentation, we'll take a casual stroll through the world of cloud operating systems. We'll explore their unique features, strengths, and weaknesses, helping you understand which one might be the best fit for your needs. So, sit back and enjoy the ride.





What is cloud operating systems?

A cloud operating system is a platform that allows users to run application and store data remotely. Unlike traditional os, it leverages the power of the internet to provide flexibility and scalability. This means you can access your data from anywhere, anytime!



Key players in the game

Some of the big names in the cloud os arena include googlecloud, microsoft azure, and amazon web services. Each has its unique offering, catering to different user needs. Let's dive deeper into what makes them stand out!

Virtualization and containerization

- **Virtual Machines (VMs):** Discuss VM technology, virtualization software (VMware, VirtualBox), and use cases.
- **Containers and Docker:** Explain the concept of containers, Docker, and container orchestration skills (Kubernetes).
- **Benefits of Virtualization Skills:** Cover system efficiency, resource management, and isolated environment testing.



Cloud Computing and OS Integration

- **Role of OS in Cloud Environments:** Explain how operating systems function in cloud infrastructure.
- **Skills in Cloud-Based OS Management:** Skills required to manage OS in environments like AWS, Azure, and Google Cloud.
- **Automation and Scripting in Cloud OS:** Discuss specific skills for automating tasks in the cloud



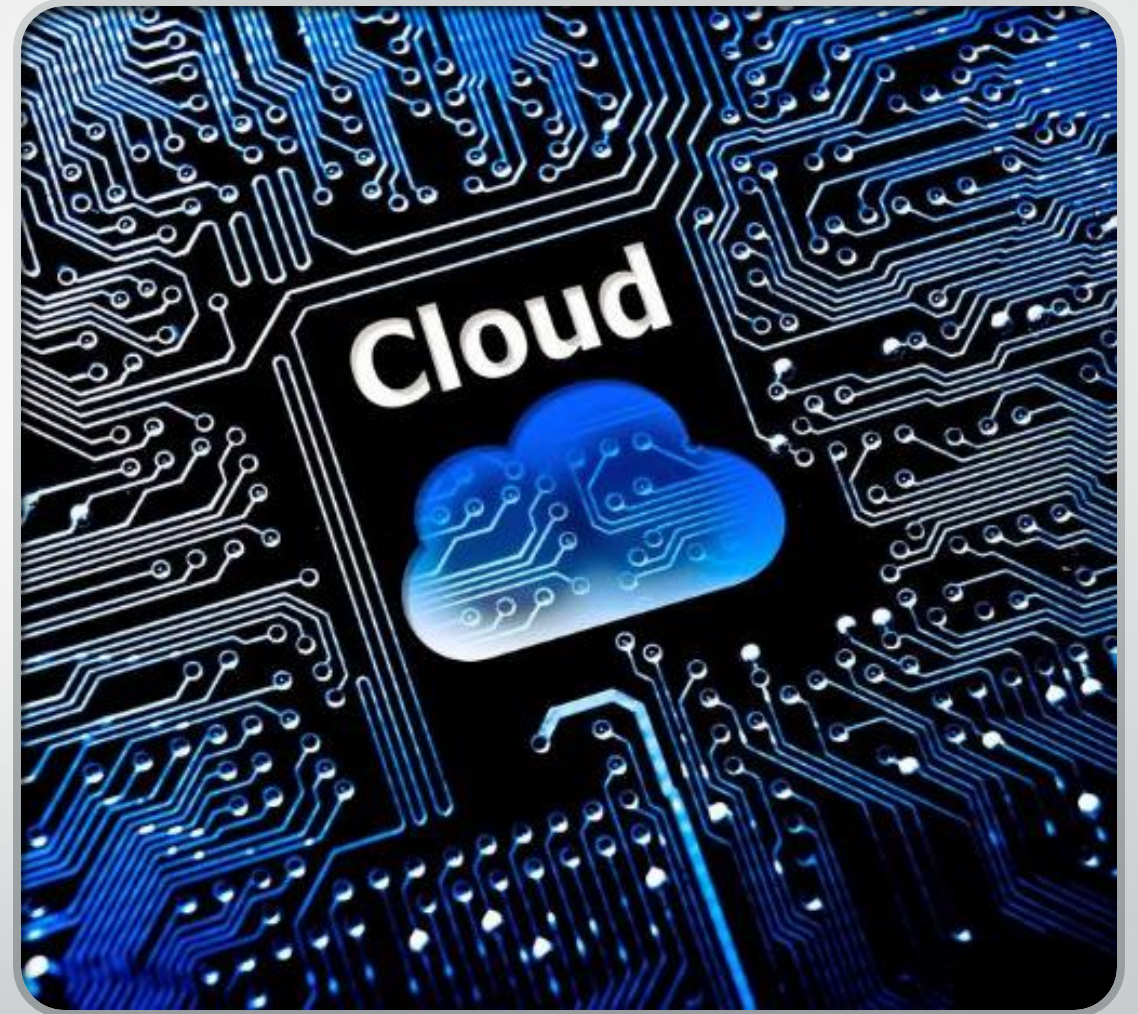


OS Skills in Network Management and Configuration

- Explain OS responsibilities in managing network connectivity, IP addressing, and virtual networks.
- Describe the OS's role in setting up VPNs, routing, and monitoring traffic to ensure efficient data flow and security.

Resource Management and Optimization

- Discuss memory management, CPU allocation, and disk management in the cloud environment.
- Explain how OS uses skill sets like monitoring, scheduling, and provisioning resources to ensure efficiency and prevent overload.



Disaster Recovery and Fault Tolerance

- Discuss OS's ability to handle failures and support disaster recovery.
 - Explain the importance of high availability, backup management, and recovery strategies.



Case Studies of Operating Systems in Cloud Environments

- Provide examples of specific operating systems (like Linux, Windows Server) used by cloud providers.
- Analyze case studies of OS deployment in cloud systems, such as in Google Cloud, AWS, or Microsoft Azure.



Emerging Trends in OS Skills for Cloud Computing

Discuss emerging technologies and skills in OS, such as artificial intelligence for cloud resource management, enhanced containerization, edge computing, and microservices architectures.





Conclusion

- Summarize the skills required by OS in cloud computing.
- Reinforce the importance of OS skill sets in cloud service management, security, and scalability.



THANK YOU!