

INTRO/ABSTRACT

The demand for adaptable and scalable network designs that can handle the scattered and dynamic nature of cloud applications is increasing as cloud computing gains in popularity.

Virtual networks have emerged as a promising solution for network topologies to meet the specific need of different cloud environments.

METHODS

- ❖ Layer 3 approach based on virtual routers
- ❖ Virtual network architecture designed specifically for cloud computing:
- ❖ Virtual network architecture based on SDN principles

CONCLUSION

The choice of virtual network architecture will depend on the organization's needs, resources, and priorities.

By carefully evaluating the performance, scalability, flexibility, and security of each architecture, organizations can make an informed decision that best supports their cloud computing initiatives.

Comparison of 3 different virtual network architectures based on the factors-

- Performance
- Scalability
- Flexibility
- Security

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