

# 15 Minutes in the Cloud: What Is Cloud?



# Today's 15-Minute Conversation is With:



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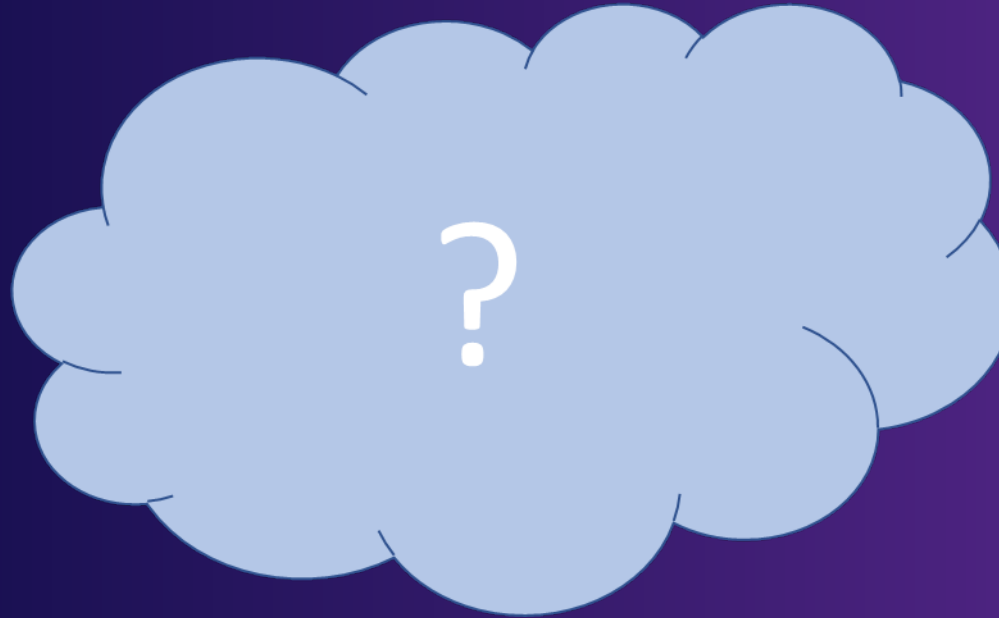
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# Introduction



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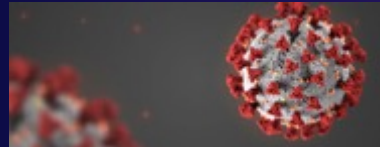


# What If?

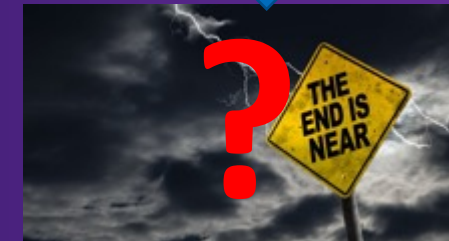
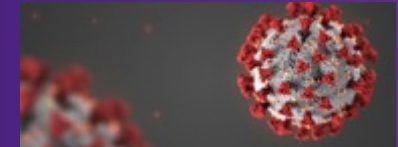
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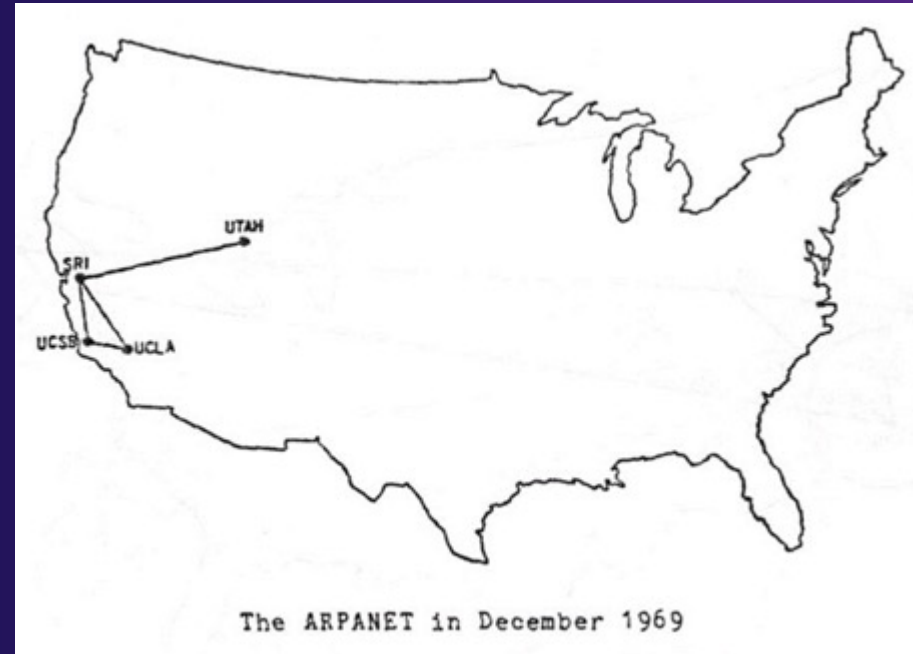


Y2K



# The Birth Of The Internet And Building Blocks of the Cloud

ARPANET – The First Computer-to-Computer communication; October 29, 1969





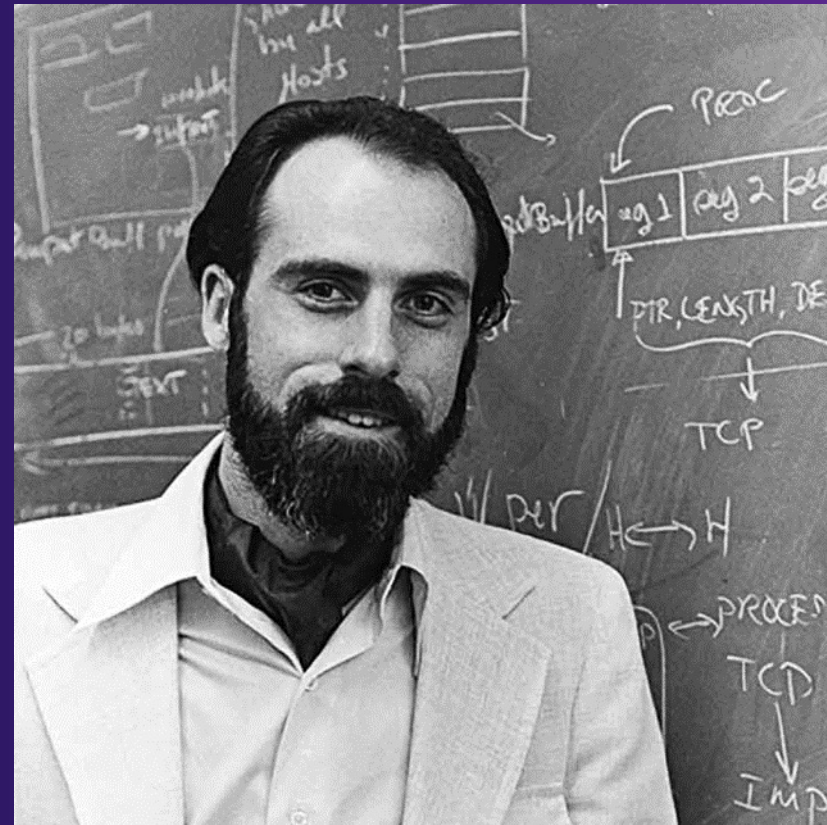
# The Birth Of The Internet And Building Blocks of the Cloud

UNIX – Ken Thompson & Dennis Ritchie; Late 1960s



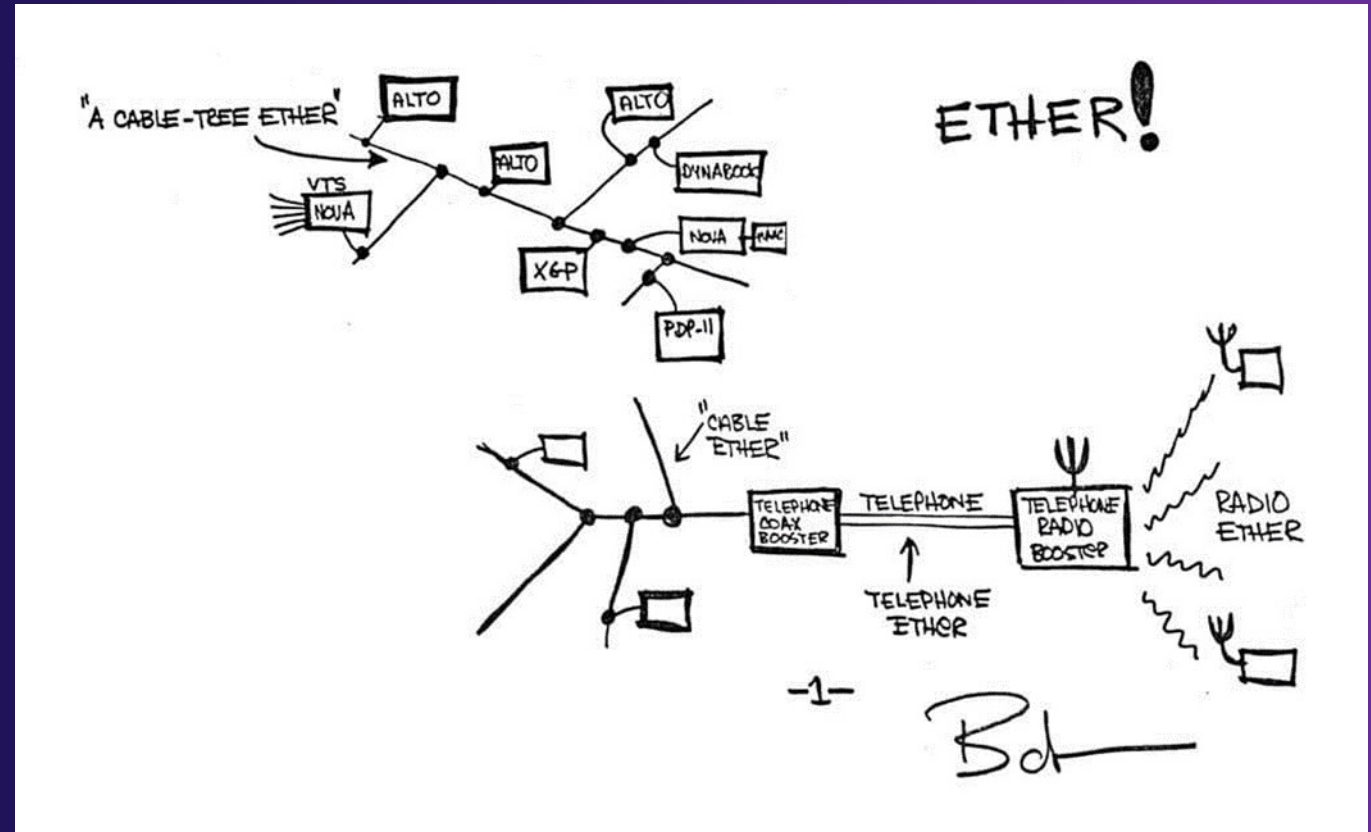
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TCP/IP – Vint Cerf; 1973



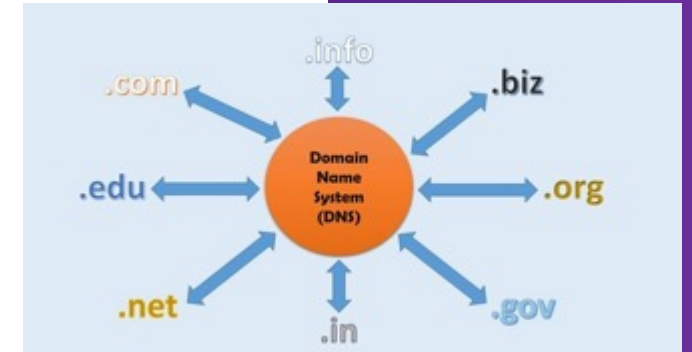
# The Birth Of The Internet And Building Blocks of the Cloud

Ethernet – Bob Metcalfe; 1973



# The Birth Of The Internet And Building Blocks of the Cloud

DNS – Paul Mockapetris; 1983



## Domain Name System (DNS)

Proposed in 1983 by Paul Mockapetris

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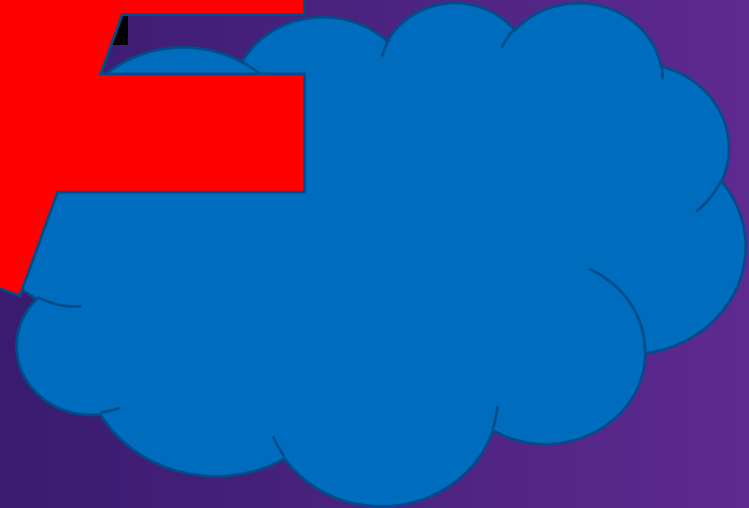


# The Birth Of The Internet And Building Blocks of the Cloud

WWW – Tim Berners-Lee; 1991



# Is The Internet The Cloud?





# So Then, What Is The Cloud?



# As-A-Service Models

SaaS – Software as a Service



# As-A-Service Models

PaaS – Platform as a Service



O/S

Networking

IaaS – Infrastructure as a Service

## As-A-Service Models

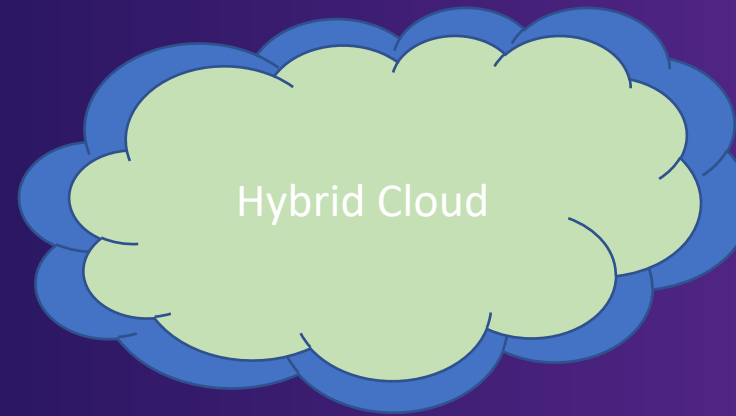


# Amazon's Role In The Cloud

amazon



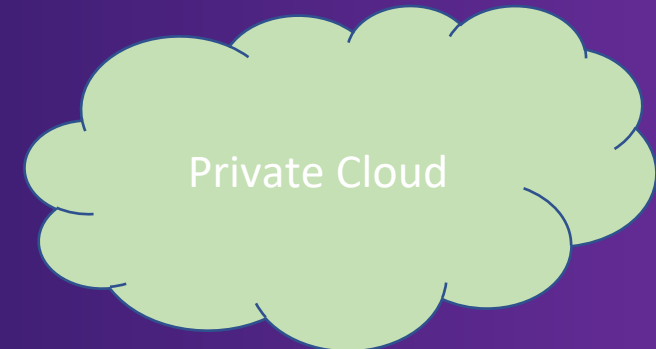
# Types Of Clouds



- Combination of both public and private cloud
- Shared security responsibility
- Able to maintain tighter security of sensitive data and processes



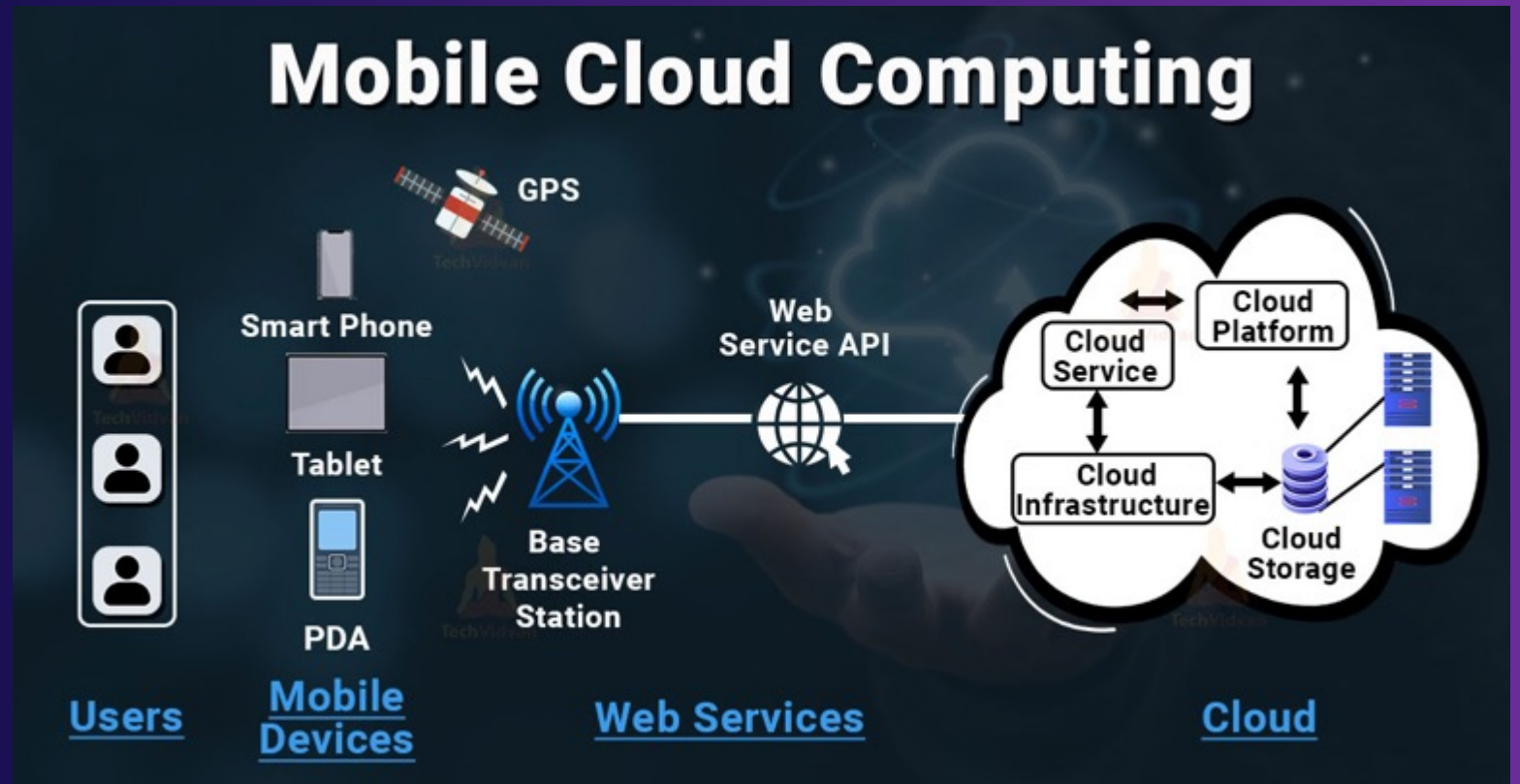
- Offered by 3<sup>rd</sup> party vendors
- Available to anyone over the public internet
- Scales quickly and convenient



- Offered to select users over the internet or a private internal network
- Provides greater security
- Requires traditional datacenter staffing and maintenance



# Impact Of Cell Phones On The Cloud



<https://opgon.com/2022/01/29/mobile-cloud-computing/>



# Cloud Futures



# Cloud Futures



# Thank You!