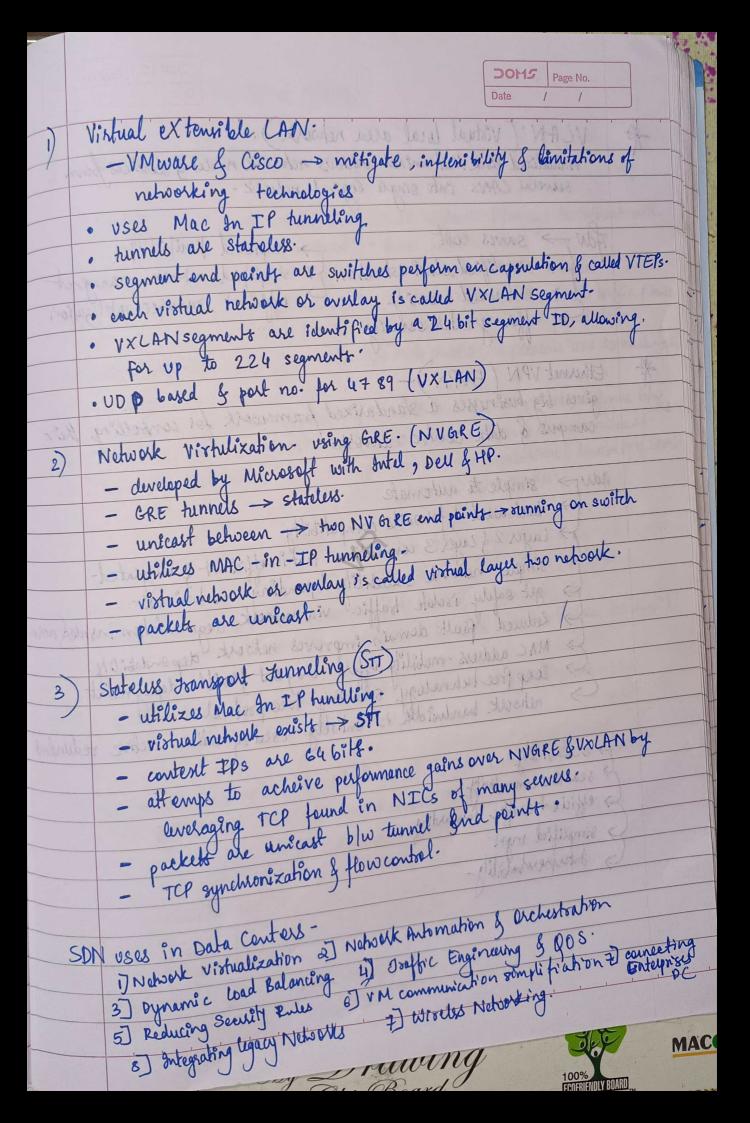
Landing Confirming
Data Center building that uses a sophisticated network, computing of. storage into astructure to give shared access to apply of data.
Jura course into astructure to give shared access to apply & data.
Storage
I will bestion, where computer sustains are society kept before
my cal to store & enchange data for client systems to process.
physical location where computer systems are securely kept before being used to store & enchange data for client systems to process.
Ola La Andotalisa > Very Dagian Components:
Data center Architecture -> Key Design Components:
Calabora Darcell
Interfrechal for networks & communications
Servers  Storage Devices  Infrastructure for networks & communications:  Security
) Summy
Data Center Architecture Components
S Data Center Computing
> Data Centrer storage - I do
Date Center: Networks: - Just de la francisca
. Dut amoralist and
Factors > Uptime - Its Dooding pridates &
Factors > Uptime  Investment
Redundancy and and additionally burkery
> Fault Folerance tevel:
S) Statebus transport dunneling (STT).
Data Centre Dennands
>> Adding.
> Moving
> Deleting Resources
> Failure Recovery.
> Failure Recovery. > Multitenavez
The second of th

\* Traffic Engineering necessary for appropriate distribute of network load as well as explaining path deversity. challenges - one charle computer systems one - signallar · Scale -> many switches, hoff of violual machines. · churn -> large no of component failures ( VM migration · Traffic > high traffic vol & dense traffic matter / volatile, unpredictable pateur.
· Performence requirements > delay - sensitive appl / Resource isol b/w tenant apportunities -> · efficient network - Low propagation delay & high capacity · specifized topology - Fat tree, clas nework, etc / apportunites for hierarchial · control over both nework & hosts -Plenible movement of workload - VM migration Junneling methods are -Football Street 1) Virtual extensible local area Network (Vx LAN)
2) Network Virtualization wring General Routing Conceptulation (N VARE)
3) Statules Ivansport Junneling (STT). Upta Constre. Donnands

FOLLING RECOVERY



SDN ordrandages stoategies to centralize Management indates >. Automated Network Provishing. Traffic shaping Real time Montoling Reducing security bisks. as bourtake de SDN Use Cases in Data Centre > VM communication simplification > Connecting Enterprise data centres > Integrating legacy neworks. > Wireless rehooking Q5 Andding - adding new data centre in existing datacenter. \* moving - assets from one data centre environment to another . mograting one or more apply from one computing environment to another i's reffered - appin migration Moving particular collection of data from one storage system .to another -> data migration. \* Deleting > removes a data center when no proposities or resources are Falivel -> company area's continuity planning procedure should be eccovery integrated with Falive seconary planbusinesses can vent space to host their data-\* Williferancy -Data center Architechue components > Servers G storage. > Infrastruct for nohocik s.f. commination. > security.

DOMS utiens of data centers. Basic Redundancy Capable Concurrently maintainable 010 oppinize newsky resemble Managed service data center 2) cloud data centers Enterprise data contres colocation data centers. (VXLAN) · ). Virtual entensible total Area Network Funneling Jednologies NYGRE 3) STT . have ted stear to copy Pyrianic Inglamming Estimate Actions Environ.