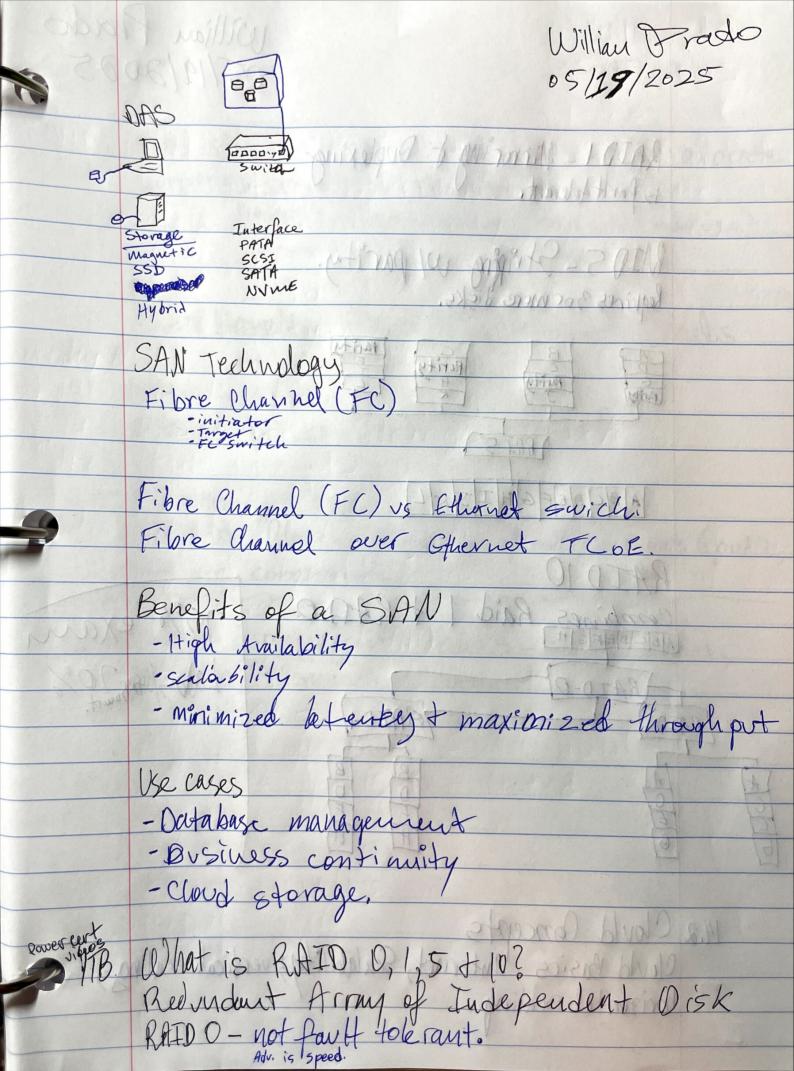
William Prado 05/19/2025 wiscostTB. What is an API? A set of protocols that allow different software applications to communicate and exchange data. - automation megtask

- orchestration Monday 19 Virtualization 14.1 Data center & Storage Network
14.2 Govde Concepts Virtualization-Logical "virtual" version of some-thing real "physical". Creates virtual versions of compu-tor resources ter resources. virtual Machine (VM) Hypervisor-Type I hypervisor - bare metal Type 2 hypervisor - hosted Virtual Servers Virtual Networks Virtual Switch Virtual NIC Confainer virtualization

William Prado 05/19/2015 Virtual Machines VM vs Containers Container / Pocker" Virtual Machine (vm) us Docker containers) operating System (015) [controlgroup] N/S [-Doker images]
[Dockerfiles] -virtual harduare grest operating system. Docker containers Vses Case: TIV Kasings Use Cases: 1) Diverse Operating System 1) micro services 2) rapidity sevelop 2) Isolation 3) Legacy Data Center Network Design. Traffic flow: east-west · zero Trust auchi tecture Spiret Leaf Topology; Predictable lateray, load Balancing & failurer, Loop-free Design, Scability & Redundamy, High-speed connectivity. Si Varior YTB. Das, NAS & SAN DAS- storage directly attached to host NAS- Storage Connected to production switch SAN-separates storages resource from the local Network.



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		RAID 1 - Mirroring & Buplexing
		RAID 5 - Stripping W/ parity. Requires 3 or more disks.
		B C Parity F T C P
		RAIS ABCDEFGHISKL
		RAID 10 Combines Raid + RAIDO 75% exam
tric		RAID-0 RAID-1 RAID-1
A CHEG		B B B D F H H
<i>b</i> /	14.2	Clould Concerts
	isk	Cloud Basics Internet, Scalability; vertical scaling, horizontal scaling.

William Franco

William Frado 05/19/2005

Electicity-ability to automatically adjust t allocate computing resources on demand.

· cost effectiveness (pay what you use)

· real time responsiveness. Public (multi-tenant) cloud.

Private Cloud.

Hosted private cloud. · Community Cloud.
· Hybrid Cloud. combination of multiple clouds Cpublic, private, community). Software 17B Cloud Deployment Models - Public Cloud, Architect 17B Cloud Private At Community Cloud.