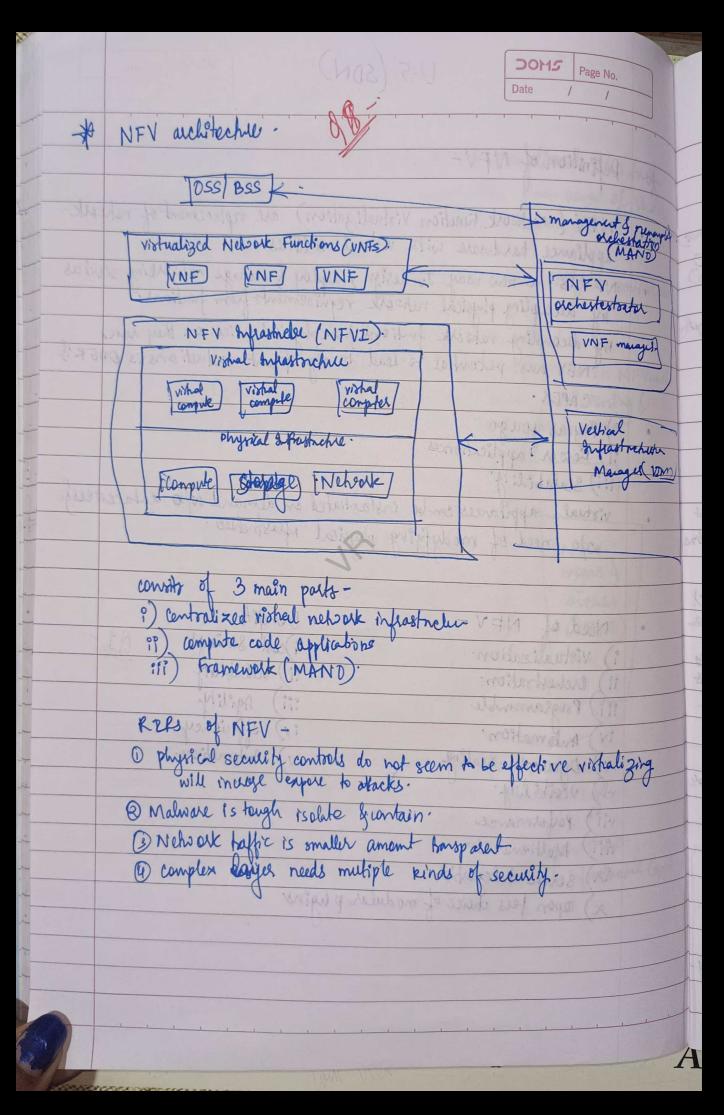
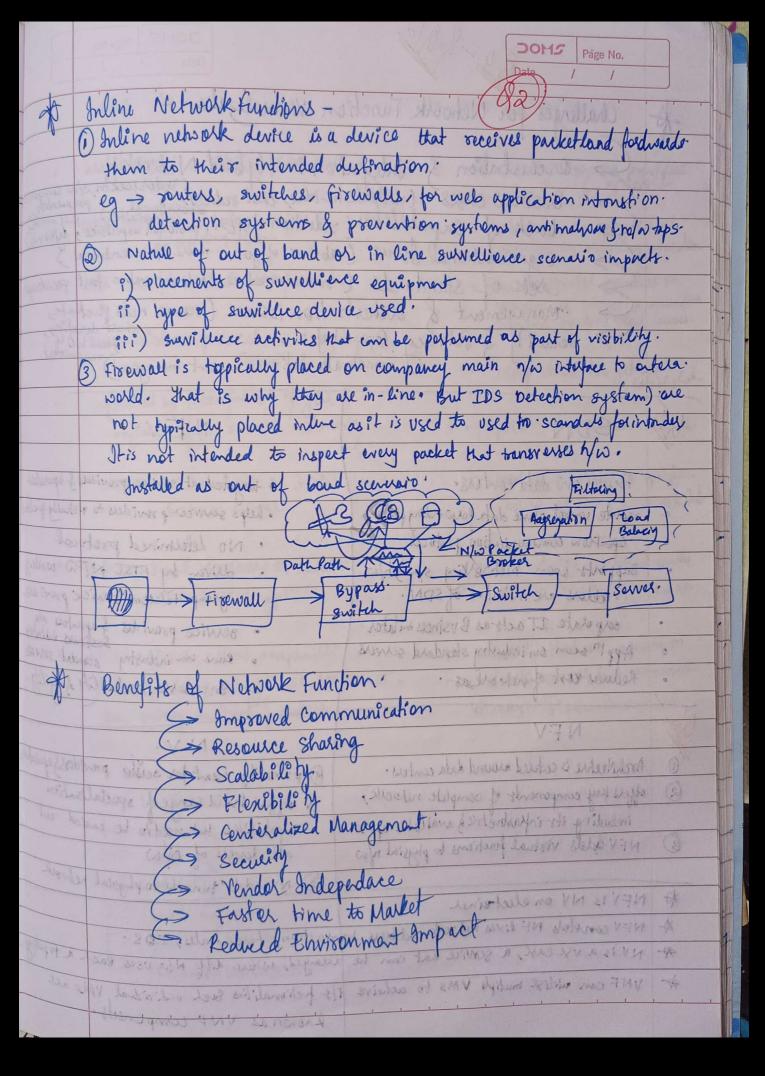
U-5 (SDN)

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	Me della del	
4	Definition of NFV-	
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	ALTIVI ANA SOLIE Timeles Mechales alessa) and the solit of	
•	NFV (Network Function Vistualization) are replacement of network.	
SAL PE	apprime various with the ment of the ment	1
•	NEVIS a new way to design, deploy & manage rehoorking services	-
-/47	NTV is a new way to design, deploy & manage retrocking services by decoupling physical new ork requirements from functions.	
	By decoupling new ork fretions from physical devices on they sun.	-
~	By decoupling nework fretiens from physical devices on they run, NEV has petential to lead to significant reductions is OPER'S	1
	CAPEX.	1
	0) Pau al alou ao	+
MANA.	ii) Fewer applicationces	+
SI Jis	(ii) Scalability	+
	vistual Appliances and be instantiated and demand will data restered	-
	the state of the s	-
	w/o nelle of modypying physical infrastretion	-
	virtual appliances can be instantiated on demand w/o datacesters for modyfying physical whostreties.	1
	- Africa agona of to Alleman	
٨	Need of NFV-day sould show Benefits-took (2)	
٨	Need of NFV- Benefits- Cost Savings 19	10 1 101
٨	Need of NFV- ") Viotualization. (i) Outherhaping. (ii) Scalability.	10 10 10 10 10
٨	Need of NFV- ") Viotualization. (i) Outherhaping. (ii) Scalability.	
٨	Need of NFV- i) Vistualization. ii) Orchestration. iii) Scalability iii) Programmable iii) Agility iv) efficiency.	
	Need of NFV— i) Vistualization. ii) Orchestration. iii) Scalability iii) Programmable iii) Agility iv) Antomation. v) Dynamic Scaling v) Automation.	
	Need of NFV— i) Vistualization. ii) Orchestration. iii) Scalability iv) Antomation. iv) efficiency v) Dynamic Scaling v) Automation. vi) Visibility.	
	Need of NFV- Benefits- i) Vistualization. ii) Orchestsation. iii) Scalability iv) Antomation. iv) efficiency v) Dynamic Scaling vi Visibility. vii) Performance	
•	Need of NFV- i) Vistualization. ii) Orchestsation. iii) Scalability. iv) Antomation. vi) Dynamic Scaling. vii) Performance. viii) Performance. viii) Performance.	
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•	Need of NFV— i) Vistualization. ii) Orchestration. iii) Scalability. iv) Antomation. v) Dynamic Scaling. vi) Visibility. vii) Performance. viii) Nultienaces.	
•	Need of NFV- i) Vistualization. ii) Orchestsation. iii) Scalability. iv) Antomation. vi) Dynamic Scaling. vii) Performance. viii) Performance. viii) Performance.	





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Date / /

Challeges for Network Function Vistualization -Business cases (unrealistic idea, cost reduced bonal proposed prop organizational Issue (absence of gov, more s/w centreral) Cack of Standards (small impedence, help innovative, fast pacedays,) Management of orchestration issues (resource neds purhate, short disation, short disation, short disation, short disation, short disation, secont management) N 5V · targeted at service providers of sportous Focuses on data centers. · helps service of roviders to richally feeting sephote control plane data followarding plane. · No determined pretocol opentlow communication protocal driven by ETSI NFW worldy supports open Newsorking sloghla group telecom service provides violate are initiative of SDN. · service provides & apartou ou sustains without service provides & apartous out that corporate IT acts as Business milater Appl" seen on industry standard servers · In class scalability of ugility Reduces cost of net orless. 1 primarily meant for seithe pravidors separates Arrchitectus is certared around data centres. @ offers broad range of specialization affects key components of complete newalk, capabilities not need to be carred out including its inflatorethe & available apprisall levels of NW NFV adds virtual fractions to physical now 3 NV adds tunnels to physical nework NFV Is NV on electeiner * NEV constols NE lives newalk address transaction, forcewall, IDS. NV is a vse case, a service that can be awaged, where diff Nho uses each a topology A UNF can wilise muliple VMs to acheive Its fretionalities such undividual VMs all # known as VNF components. *



Keading NFV vendous

Juniper Nehoaks, Inc

· Helps clients create scalable, dependable, secure & affordable n/w by designing, der cloping of distributing high-performance when soln assure,

· Two divisons - Products Scervices.

VPNs, service control gateways; exchestration & automation of VNF.

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3) CISCO systems, Inc.

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· Intent based soln -> security, collaboration, apps & cloud to give customers by by

· 4 divisors - Infrastretue platform, services, appln, society

operation across - Mtg Africa (Europe, Asia, Northering)

· Substiduies - Breadsoft, Inc, open DNS, cisco Webox he.

(4) Howelute Packard anterprises

· offers consumers, small of buy business others, comprehensive age of narware & reliated services.

· Rage of NEV services like ruberiability rueatch, data devices. severity prehacement & engoing scentinity maintene.

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· 3 business segments: Ubiquital & soln / Techolog "soln by Device soln. · wide variety of NFV soln, nebook, storage, computation of visited emoting · ME, Africa, Whope, Asia, NA: · substdayes - Nifty corporation, PFU limited, FDF corp, tigun Har. Affirmed Nepouks -. 2010, Massa chewells, services to change of advance intelliger in mobile de · offers string, violal probe & analytics & Lot vishaly of solar. · vishalized DPI & applimized I ot acces, wif & service automotion. · NA, Europe, Asia - Pacific. 5) Huawer Jechnologies Co, Ltd-U Leading ICT supplied @ 4 Busines segments - carrier B, enterprises B, consumer B & others. 3 Provides services for NFV, including EC & IOT soll for intelligent comply (4) NA 5 europe, Asia Pacific, Me J Africa (5) Subsideries - Huawei Device Co., Ltd, Heavil Machine CO. Ltd. Shangai Huawli Jechnologies, Co, Cfd. Risks of > Physical security controls don't seem to be effective. Malware is tough to isolate & contain-Network traffic is smaller amount transparent complex layers need multiple kinds of security