willian Prado 0502/2025 7.4 Disaster Recovery & high cavailability High Availability Business Continuity Plan (BCP) Business Impact Analysis (BIA) Disaster Recovery Plan (DRP) Availability
Downtime Diference between (org BCP BIA Operation DRP confidentiality No! Attention Modification change Availability 99.999 % (5 Nines) What does five nines mans? Yout 1/00 telexphines set more rines?
I Best equipment you har infessor High Availability MISSER - Furt tolevance · Maintain uptime in the case of a failure of ent tolerence odds complex: ty · Single device faut to levalue o mutiple device fault tolevance

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Redundancy & Fault tolerance

Redundant hardware components

RAID trailabity Uninterruptible power supplies clusterings. Fault Tolerance Redundancy RTO US RPO Sites Hot, warm COLD, Cloud, Multi-pathing LACP/STP PORT NIC Teaming the Building Faut tolerand notworks. Hightvail ability Load balancing
- Some servers are active
-offers are on standing. -Brilding HA Notworks. 2 Firewalls 2 router 2 Switch hu I load bahancing 2 internet provider. -NIC teaming load Balancing / Fail Over (LBFO) - Port agoregation.
- multipathing. we RTO vs. RPO: what's the afflrence RPO & RTO Expained TB-RPO thata amount to lose?

Perovery
Dismitted

thow much dot 4 How long can I afford to be down? thow much data can I afford to lose?

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youtube 0 MTBF, MTTR, & MTTF MITR IHR 1 Expect cutain amount 20 1 MTBF Average can't repair 10 MTTFailed 9 y RS life cycle Site Warm 7 TB summy Disaster Recovery 5 ; tes: hot, warm + cold HVAC HAC - heating, ventilation, air conditioning Pouer management Fault tolerance & Reducdancy - everything will be 2 or more. Multipathing. meshing. LACP men switch TB WHATSTEEE LACPZ Q D D Switch 7) switch Horm. o. Ex: E & * STP Spanning free Protocol 日白 switch PO) switch Server nate LOOP

YB,	What is LACP?
7(B	Hawto configure NIC Teaming in Windows Server 2016? NIC Teaming = multiplenter
	Server oblig?
YTB	What is a load balancer? IBM Technology load balancing > distribute traffic evenly to prevent congestions.
	load palancing = distribute traffic evenly
	to prevent congestion.
	ILB) LB = Load Balancer
	LB LOAD BALLET
	[DB]
	III (internet)
	C Antive - Active
	clustel Active - Active clustel Active - Rassive
	The same of the sa
	Server) Server 3 Ognared storage
	Server) Server2 Server3 9 ghares
VI	B tetive - Active plassive Cluster.
- 1	o to the de
8.	Supporting Management Nequor.
	Supporting Management Network. Policies & Documentation Importance of Doci + Types of Doc.
	Configuration Management.
13/1	Change Management

William Brado 05/02/2025 module 8.2-18.3 Physical Notwork Diagrams Change Mouragem - Distribution Frame - Port location diagram MIB ditabase - Main Distribution Frames (MDF) - Intermediate Distribution Frames (IDF) - Request Trap "Alert" Site Survey Report. 8.2 Hoest Discovery & Monitoring Network Discovery 11 11 Tools >"Nmap Nmap/Zenmap Netstat Protocol Amyzers Discovery Protocol > Lisco Discovery Protocol (CDP)
> Link Layer Discovery Protocol (LLDP) Network Metrics. Quality of Services (QoS) Bandwith Latency measurement tool > ping, publing + mtr 8.3 SNMP - Simple Network Management Protocol yTB. How does SNMP work? Monitor & manage Devices remotelly Now the Mark De MIB= management Info Base MIB records you need for this les @ regent software

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TRAP is a type of alert. 9.4 Event Marragement. Its Event viewer & windows logs. Linux = syslog. event viewer, SNMP PANI PSU.

Memory, Line. a Application! Sys log (1) Askenticention " YTB. What's 375 log? Easy to Vinderstand YTB What'S SIEM? IBM Technologies atput Bliad Spot High-Fidely Burnout Silved Tools 1,00015 Alerts - Artificial Inteligen Iuput security Information 6995 -- Machine Learning Threat Intel-Event Uv hability feeds Management NDR EPK SIGM Feeds Threat Intel 5plink