Security Audit - Audit Getting ready ... Understand the scope of the exercise - Retrieve and execute the Vil on your lab system Conduct the audit Organisation of ISMS

> What is the purpose of this VM? netdiscover - 192.168.142.0/24 -> What services does it provide? mmap-sV 192.168.142.69 map-sV 127.0.0.1 -> who's responsable for configuring and setting this up? cat lebel passard -> what are the security measures provided? intables - L -v -m desachine la resolutiondes intables - L - mode verberon' Wetwork Architecture (Access Control, Filtering containment reliability)

> Describe the Network topology ip addr / ip a -> Check network giftering from 1 to the VM by using port scanning (mmap) -> check giltering rules iptables -L -v -m ip6tables -L -V -n Confidentiality and integrity of communication -> Capture and analysis of traffic between the server and a client (topdump) sude topdump -i eth 1 -50 -w /opt/VM/5NS-lab/moodle-pcap Access control to logical level (Rost system, VM, apps and data) Operating system Audit to List of running services and configuration systemate list-units -- type = service -- state = running +> Filtering (net gilter, top wrappers) & base diptables Vulnerability Scan (grom the network on on the system)

-> debsecan on the system sudo debsecan

lymis audit system - list vulnerabilités conneces pour -> openvas / nuclai from the not work > valnerabilities scan of services (nileto/wileto, 43ag...) milto - R 132-168-142-49 - 6 443 milto - h RHO: Nexample com Evaluate Strength of passwords (using johntheripper on Rasheat on.) Rashcat 10pt / VM 75 NS-LAB 1/password txt Rashat lopt/VM/SNS-LAB1/ password txt - a 0-m 3200 /usr/share/word Pists/john. Bt Data Security - Encryption? Wiping? Residual Data (cache, timp files, logs) Operational and management procedures -> Backup and Recovery Planning

S5H 9 ipr6 actis ? un mmap sur le loopback avoir son adresse IP > istenlig ← Open HTTP ← Sinefox 192.168.142.71:80 :443 6 HTTPS wget 127.0.0.1:12321 55h rode 192.168 - 142.78 to connect im ssh (need password) / mmap on CocalRost mmap -sv 127.0.0.1 ip6tables -L-v-m voin si des dellenses sont prévues au niveau du finewall pour ipré chier adireis permission pon des ls - l /etc/pass vod verifier les permissions des lichiers critiques george Vérifier si le 3y stôme est mis à jour : apt list -- upgradable dpag -l inventaire des fichiers instablés: Récupérer des impos sur le système: lister les utilisatours: cat lote/passurd verifier les groupes et privilèges: Sudo-l verifier les noutes: noute -n . / test ssl. sh Tester le configuration 554: Venifier les services en cours d'éxembion: ps aux créase un lichien avec les Rocks de lorc shadow. MTD 5 -m 500 Vim Washitat - CTR + SUIFT + V > echap :x 5HA-256 - MA 4400 Schier sauverante -SHA-512 -m 1800 berypt (Blow Pol) -m 3200 john -- wordlist = / usr/share/john/password.lst -- Somat = bough Rashes txt -- Journal = auto & determiner automor monet le format Raskeat -m 3200 -a O Raskes. Ext rockyou. Ext my Johiensource fichien destination CP gichier source fichier destination