Agenda

3 lectures >

1 Security L mannfamance.

2 Virtualisation I.

3 Virtualisation

Cudminate by

Submitting a Design of your

System Diverview Distributed System with security applied deagram

For Poday Start with Security In foo mation: -. ¿ Dis rupting resources. 3 Interfaces. 4 Data

De Lunal - Linux

CIA friad.

Confidentiality - limit access to anthorized.
encryption, access control, identity control.

I - Integrity - Correctness of data Integrity check, Backing A - Availability - Info is available when + where needed | Required.

Denied Service - DOS

physical protection : to DOS.

! Access Control =. Misfeasor.

Comebody who has

Masquardes that doesn't have access access and elevate his access deficult for aletect.

System admins 
Social > 1 Secret (mastin Serewed),

Dator fransportation >.

passive > laves dropping - NIC - primis cous mode

bot false.

active > man in middle.

Source 18 > > reflection attack.

is sport

NAT- changing the values.

Lesource Management.

Managing -> Server, VM, Infragfructure.

Martin > contra > 296 -> 128 gb.

Open

Data Security -> Extensive.

Data distribution Data Sourcing. Data Storage 20 mm Back at Protect -> Information expose our "12 des protect us Firewalls. nmap > TCP/IP motost

A - Proxy server, WAF I - Pools > process. header fields. N-1P-shosts Nic that can be checked L-MACagainst" port 80-3 allowed. Ps bite /x iladd:lab.cd MAC add! -> Send Msg. of UFINTS CROEPRY Sol to lo fabless IPTABLES -> Change values ruet felten headers. all packet 1 xiptables.

IVE GU mefstat nikto >> extensive > http(webserve) with one 3000 Online affacks for apache, ngenx SSI Certificate

geoblocking Mordice 2.2 China, South america Pooxy Server > one point of contact FITTP / S Authentication > Second Level. DOS protection > TCP synflood Seflection Attack limit what toaffic goes out of the server,

WAF - Web Application Frewal! Reverse propy. L. Snternet HTTP In what version Content I HTTP on real time monitor Logo block. and patch for vulnerability

WAF = application > Mod Comilio Apachotalain SSL > Let's encrypt

apacher

S3H & remote access, public key.

Host protection?
Log > what is

happening summarise log log level -> Logwatch > used souds
sch affenpt;
ngins; Via email. Log Check flost 105

file system > Snapshot integrity

policy > which files to montor log > micrease & Changing filesystem emoil > friponse AIDE Fail 26an

IP address

Sshr ngin x

Backup > SSync weldow SEEP

Monitor Promethetus Grafana Graphites

