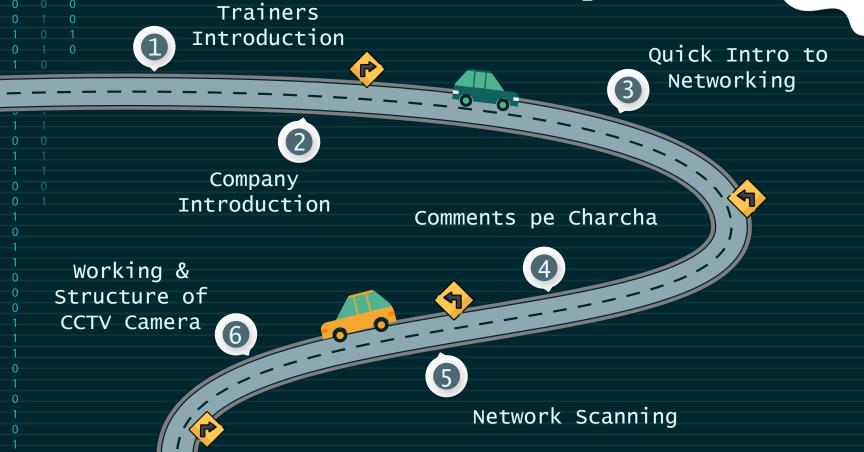


Live Roadmap





Live Roadmap System Vulnerabilities Countermeasures System Hacking Q & A

Trainers introduction







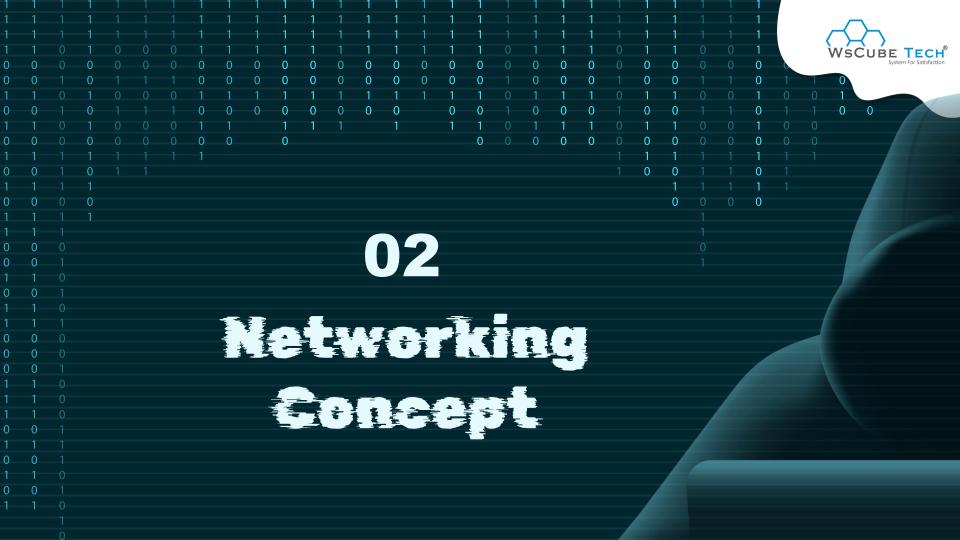
I am Ashish Kumar,
Cyber Security Manager and
Trainer

Companies introduction

UBE TECH

WsCube Tech is the leading IT training institute and software development company in India. It offers a broad rang of courses to upskill learners across 10+ verticals.

In terms of services, the company provides cyber security, digital marketing, web development, mobile app development, and more.



Networking Concept

WSCUBE TECH
System For Satisfaction

01

What is Computer
Networking?

03

Networking Entities

02

What are the types of

Networks?

04

How it Works?

What is Computer Networking?





Communication



Sharing Info



Sharing Software



Information Preservation



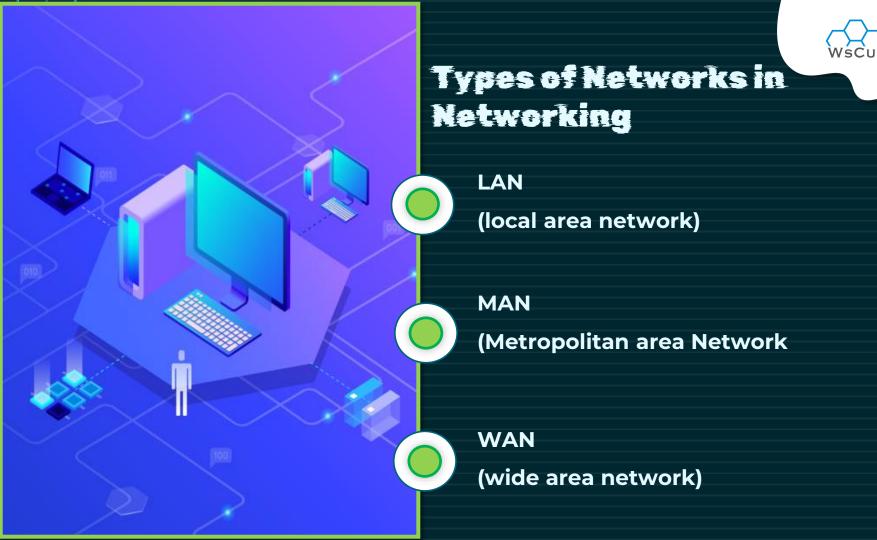
Sharing File



Sharing Hardware



Sharing Data



Whatis LAN?



A local area network (LAN) consists of a series of computers linked together to form a network in a circumscribed location.



What is MAN?



A metropolitan area network (MAN) is a computer network that connects computers within a metropolitan area,



What is WAN?

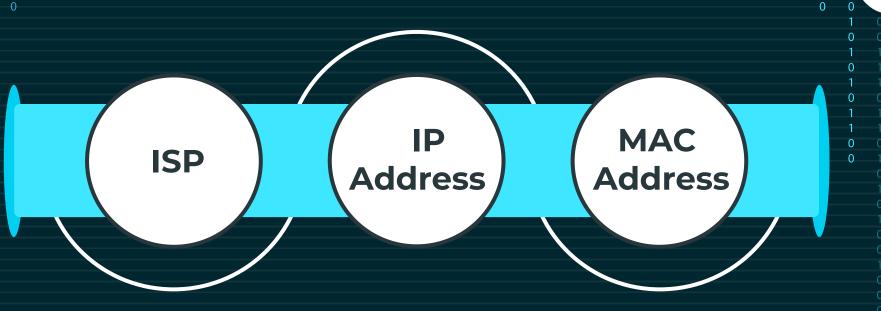


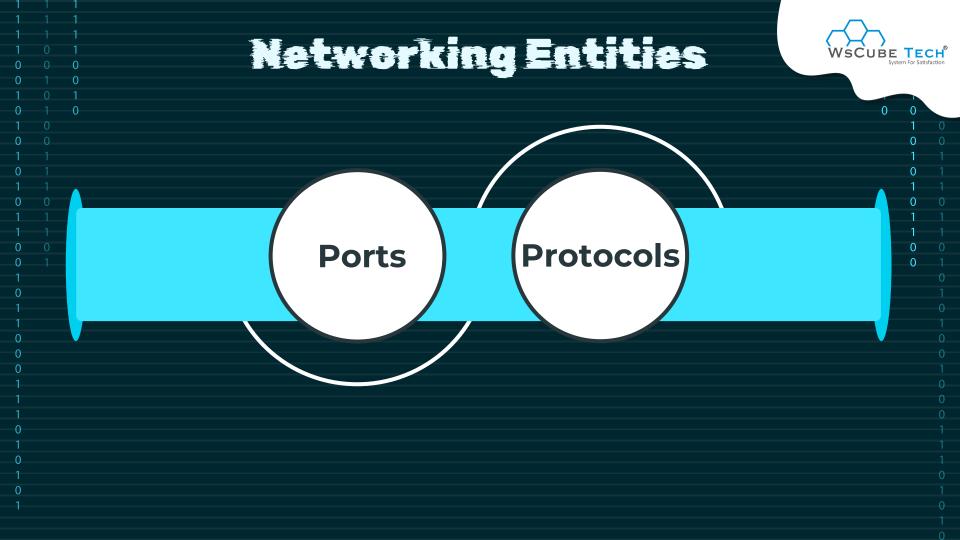
A wide area network (also known as WAN), is a large network of information that is not tied to a single location



Networking Entities









AllAboutiP

Address

All About iP Address





What is IP Address?



What is Public and Private IP?



Type of IP Address



What is Static and Dynamic IP?

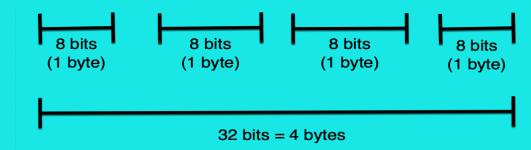
What is iP address?



IP = Internet Protocol Address

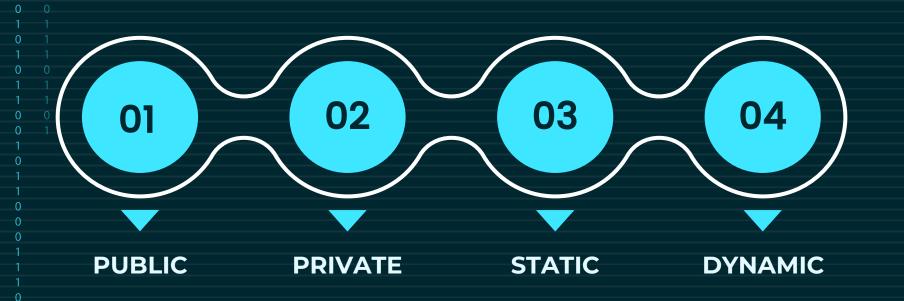
IPv4 Address Example

171.172.224.47



WSCUBE TECH® System For Satisfaction

Types of iP Address





All about Ports





What is Port?



Types of Ports



How it works?



Default Ports Services

What is Port? **Communication** Only on Open Ports One port at a time



A

Path





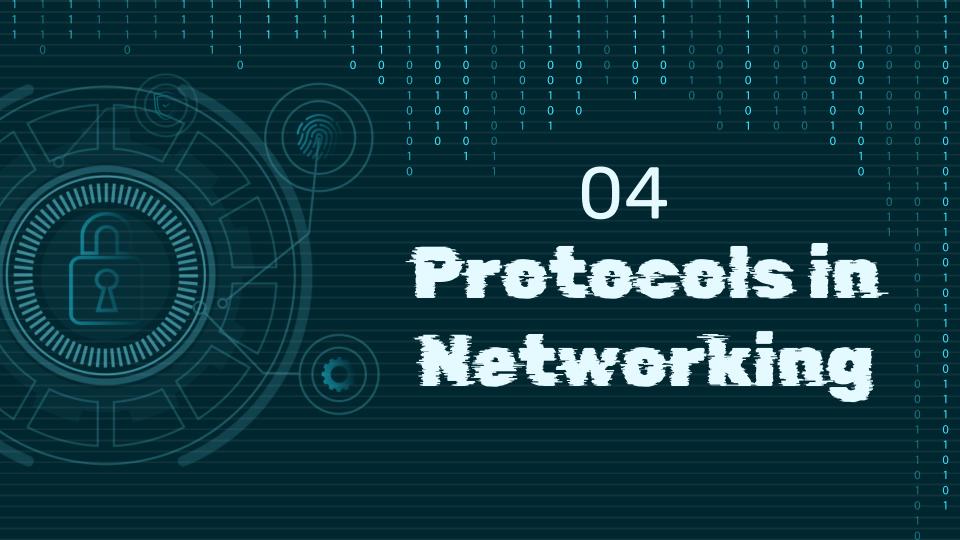
Types of Ports

Well Known 0-1023 Registered 1024-49151 Dynamic 49152-65535



Default Ports Services

Port Number	Protocol	Application
20	ТСР	FTP Data
21	ТСР	FTP control
22	ТСР	SSH
25	ТСР	SMTP
53	TCP,UDP	DNS
80	ТСР	HTTP (WWW)
110	ТСР	POP3
443	ТСР	SSL



Protocols in Networking



0



What is Network

Protocols?



How TCP works.



Types of
Protocols



TCP Vs UDP

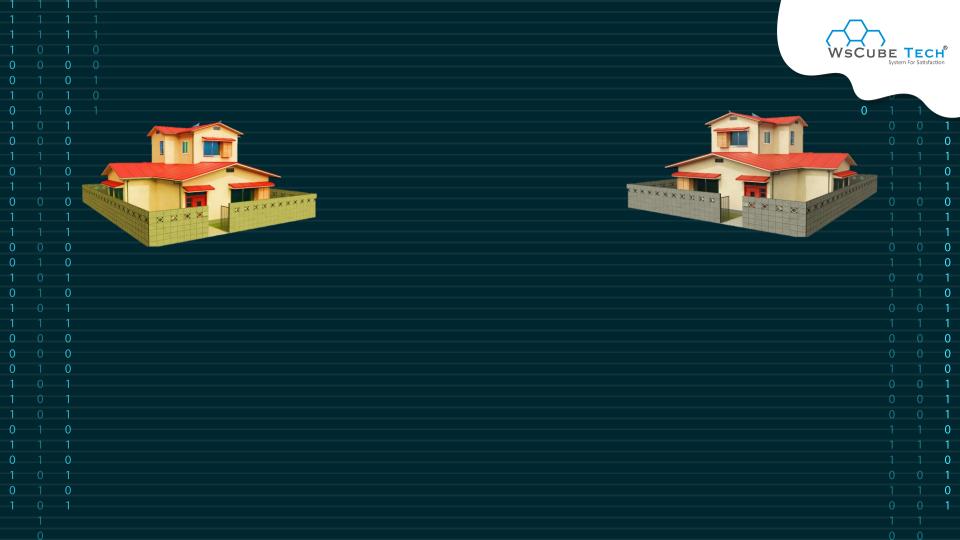


What is Network Protocols?

Set of Rules

How data is transmitted

Device Communic -ation







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Application

Transport

Internet

Network Access

RTSP, Telnet, SMTP, POP3, FTP, NTP, HTTP, SNMP, DNS, SSH,....

TCP, UDP

IP, ICMP, ARP, DHCP

Ethernet, PPP, ADSL



How TEP works. (Flags)

URG (Urgent)

 Data contained in the packet should be processed immediately

PSH (Push)

•Sends all buffered data immediately

FIN (Finish)

•There will be no further transmission

ACK

(Acknowledge ment)

•Acknowledges the receipt of a packet

RST (Reset)

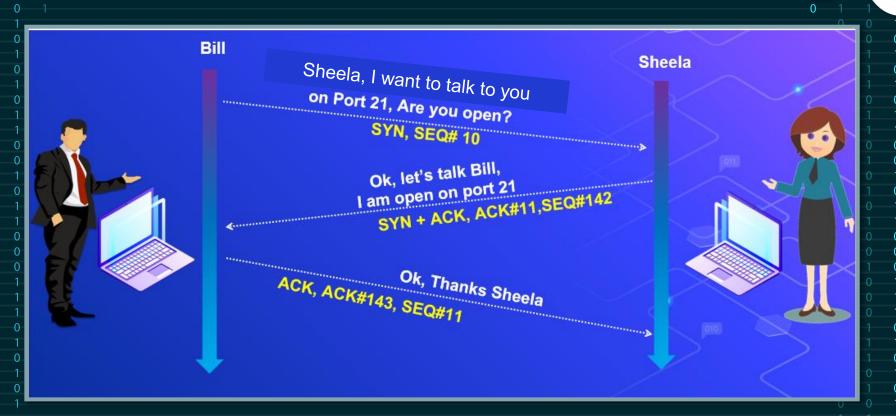
•Resets a connection

SYN (Synchronize)

Initiates a connection between hosts



TCP Three-Hay Handshake



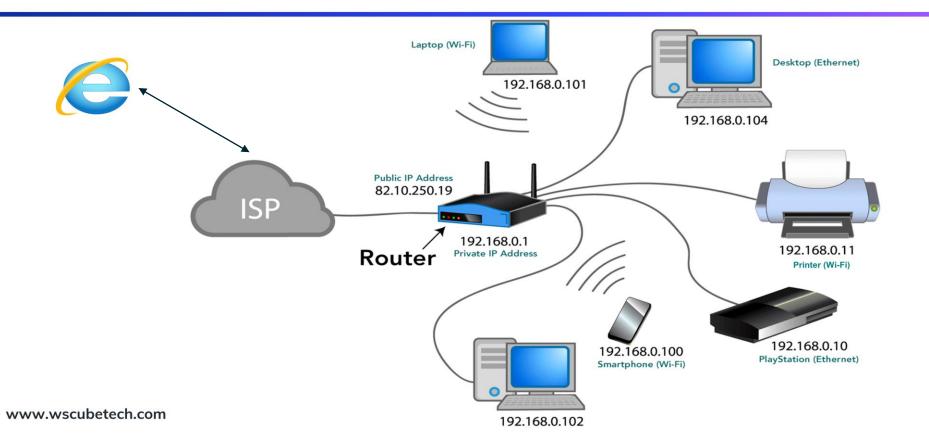


TEP VS UDP



How it Works.









world information shorts WI 🔵 • 3 months ago

Agr koi humara number track kar rha hai ya nhi or humara mobile kisi ne hack kiya hai ya nhi ye bat hume kaise pta chalega or hume kaise secure rahena chahiye ye bhi btao.

REPLY

0 replies 💙









HELPING GAMER . • 3 weeks ago

Bank account hack karna sikhao

REPLY

0 replies v









A

A/n · 9 days ago

ankur sir,its great that you teach ethical hacking..but not all viewers have that good intent you will to teach with ...please make a video providing a solution/way to counter it as well ,like if someone tries to infiltrate our device without our permission just because they had physical access to our device sir please make it ..even factory reset is not effective in 100% of times as they can get in google cloud backup (through backed up files or so) sir please help

REPLY

0 replies ~











Royal \$ king • 3 weeks ago

Bhai bina ip address ke kese hack krenge iske bare me or btana please

REPLY 1 reply ^













DOGO FUN 🍁 • 2 weeks ago

Hello sir...we don't know any coding languages... afterwards also do you think, we can able to learn hacking.

REPLY 0 replies V 1 1







Mahendr Singh • 12 days ago

Sir mujhe bahut achi lagti hai hacking main suro kahin se karu

REPLY

1 reply ^ 📫 1









HEDDINO21 • 9 days ago

Kitne hacking operating system hai and Kali Linux made in india hai kya

REPLY

0 replies 🗸













Ankit Shrivastava 👵 • 4 days ago (edited)

Kya non tech wala bhi Hacker ban sakta hai aur isse related career mein Age matter karta hai?

REPLY

10 replies ^



15









Salman technical • 1 day ago

Sir logo ny apko itna subrice kia kia ap real hacking video nhi sikha a=skty whtsp hack ky bary mai

REPLY

1 reply ^



4



:





Kali hanter • 4 days ago

Sir please top 5 book for hacker

REPLY

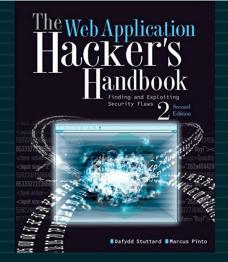
0 replies



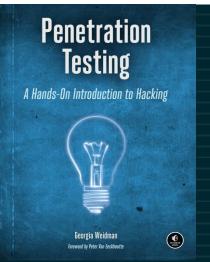
1

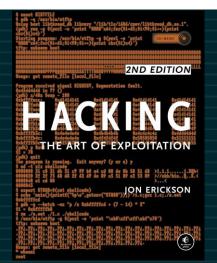














Become a



SKILLED ETHICAL HACKER

in Just 60 Days

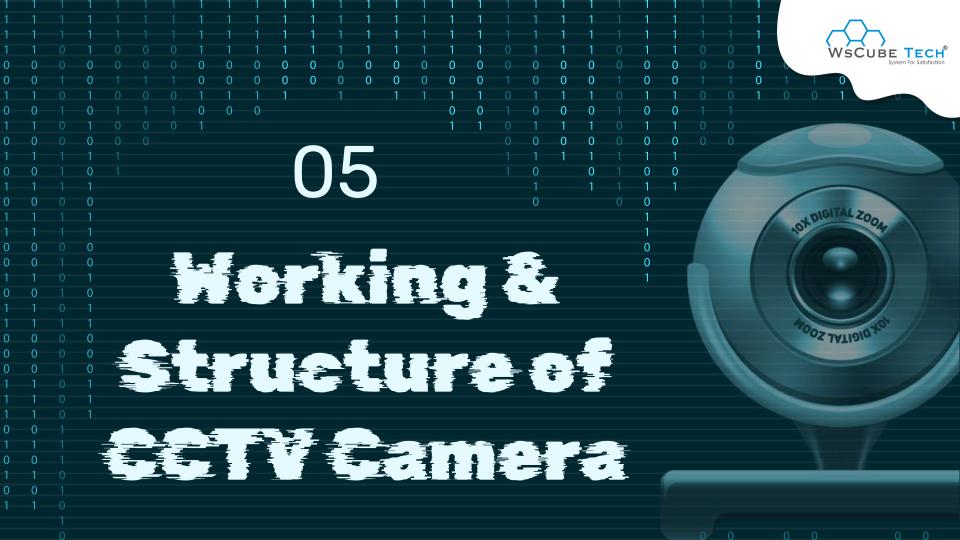
Training By Cyber Security Experts

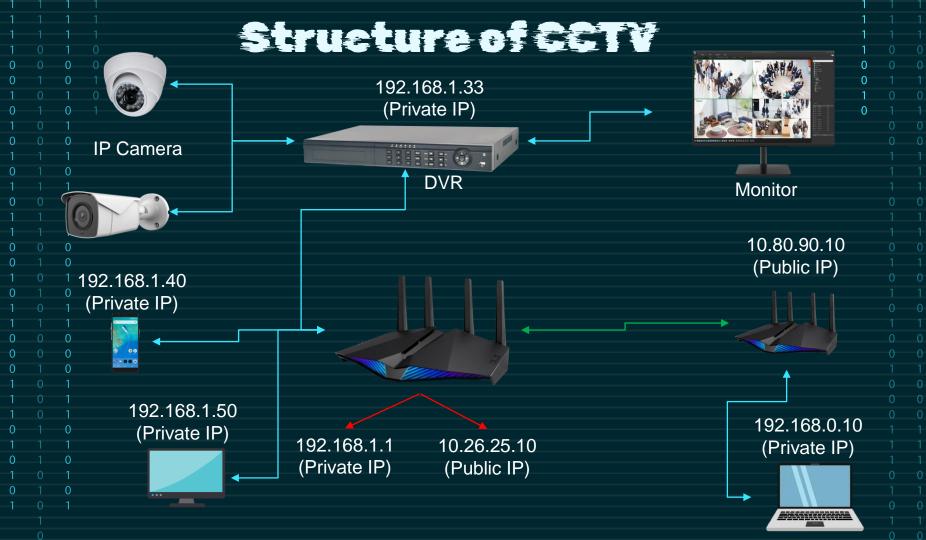


Starting: 2nd Nov, 2022



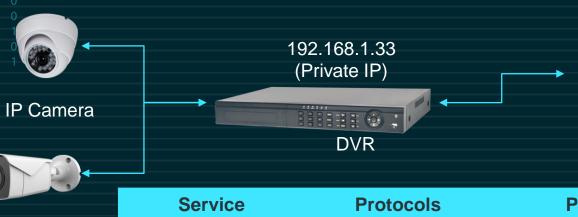
www.wscubetech.com

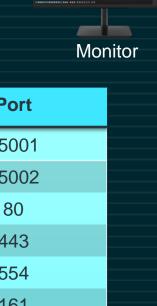




Protocols used by CCTV







Service	Protocols	Port
TCP	TCP	25001
UDP	UDP	25002
HTTP	TCP	80
HTTPS	TCP	443
RTSP	TCP/UDP	554
SNMP	UDP	161
SMTP	TCP	25
FTP	TCP	21

Vulnerabilities in CCTV

CNINAD



SNIVIP	Enumeration	
HTTP	Login	
RTSP	Bruit force & Live Streaming	
	(Real Time Streaming Protocol)	
FTP	Brute force and Enumeration	
DDnS	Dynamic Domain Name	
RTSP	Bruit force & Live Streaming (Real Time Streaming Protocol) Brute force and Enumeration	

System

Network Scanning



NMAP (Network Mapper)

Goals

- 1.) Host Status
- 2.) Open Ports
- 3.) Services
- 4.) Software versions
 - 5.) OS

Network Scanning



Types of Scans

TCP

nmap -sT 192.168.1.1

UDP

-sU nmap -sU 192.168.1.1

SYN nman –

nmap –sS 192.168.1.1

ACK

nmap -sA 192.168.1.1

-sA

-sT

-sS





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