

Information Security Management

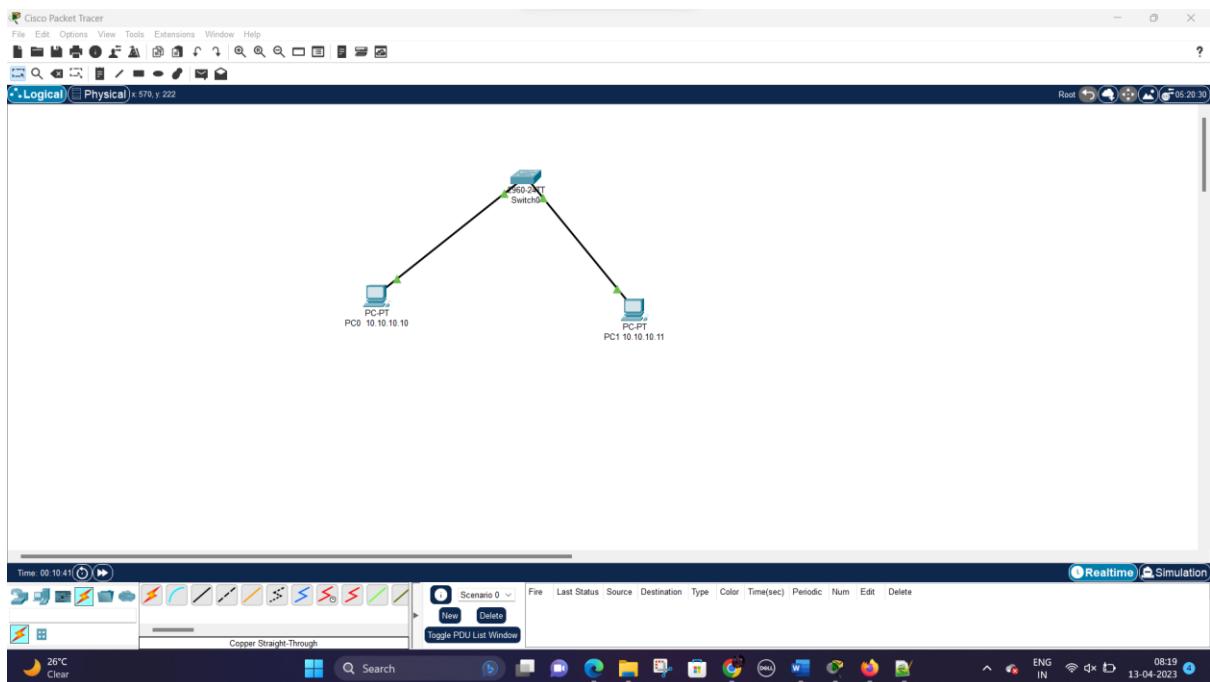
LABFAT

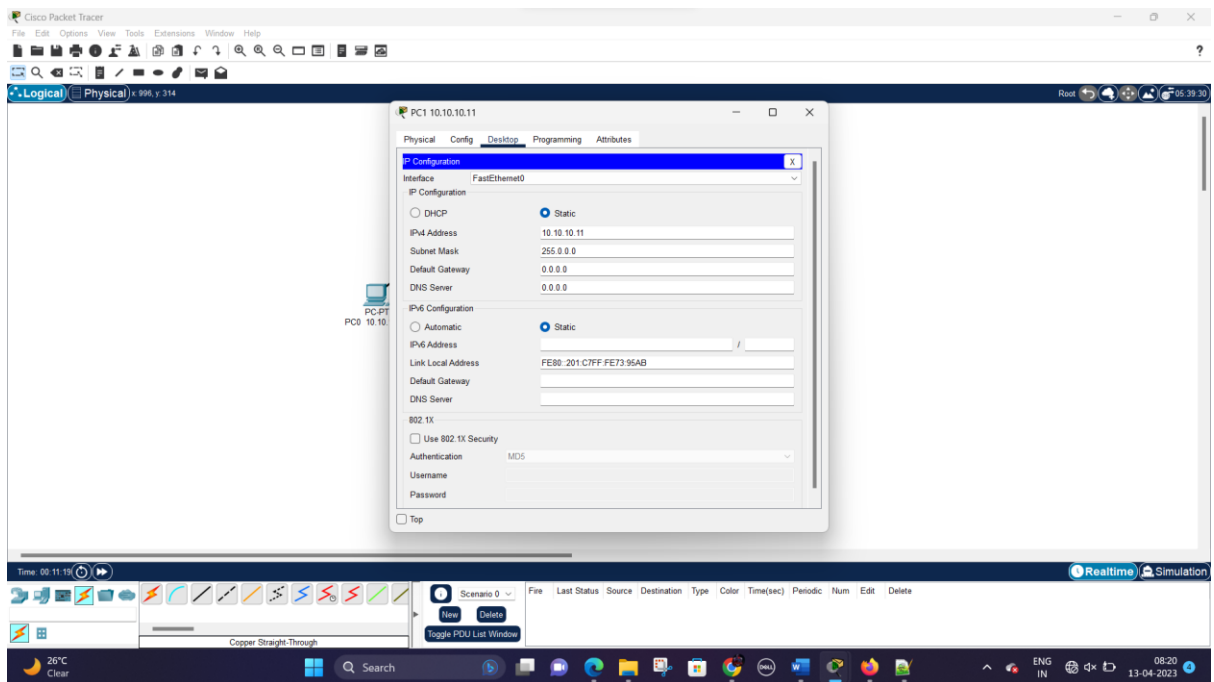
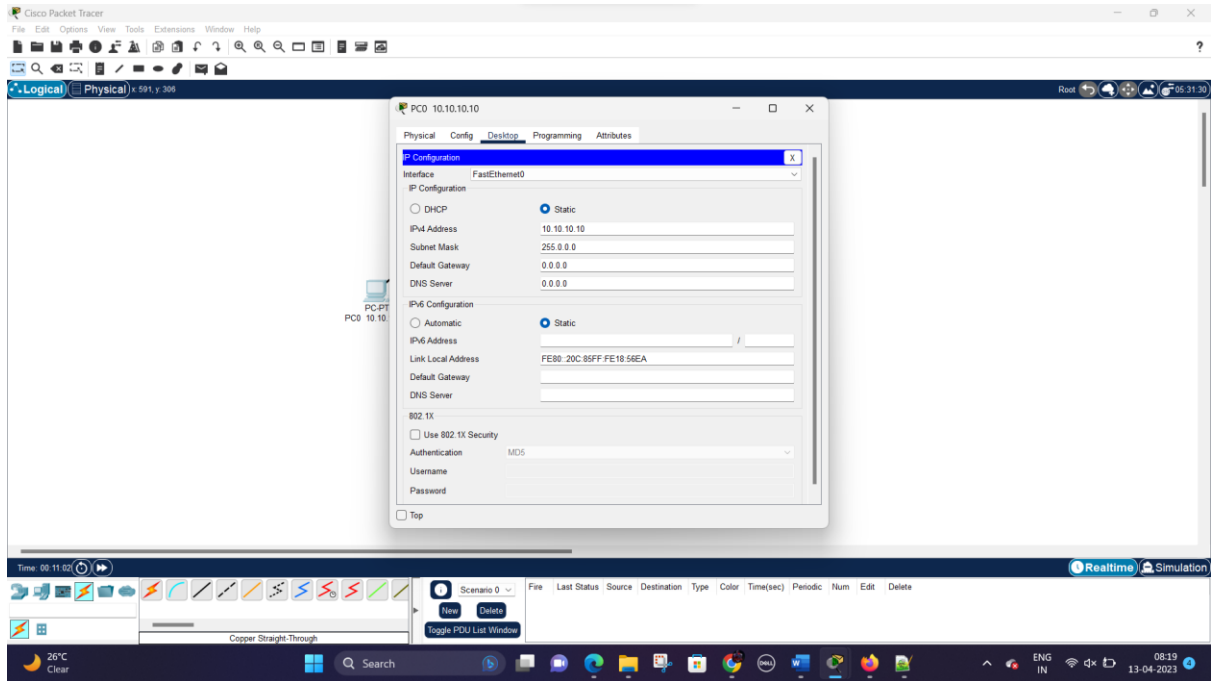
Name-Devansh Bajpai

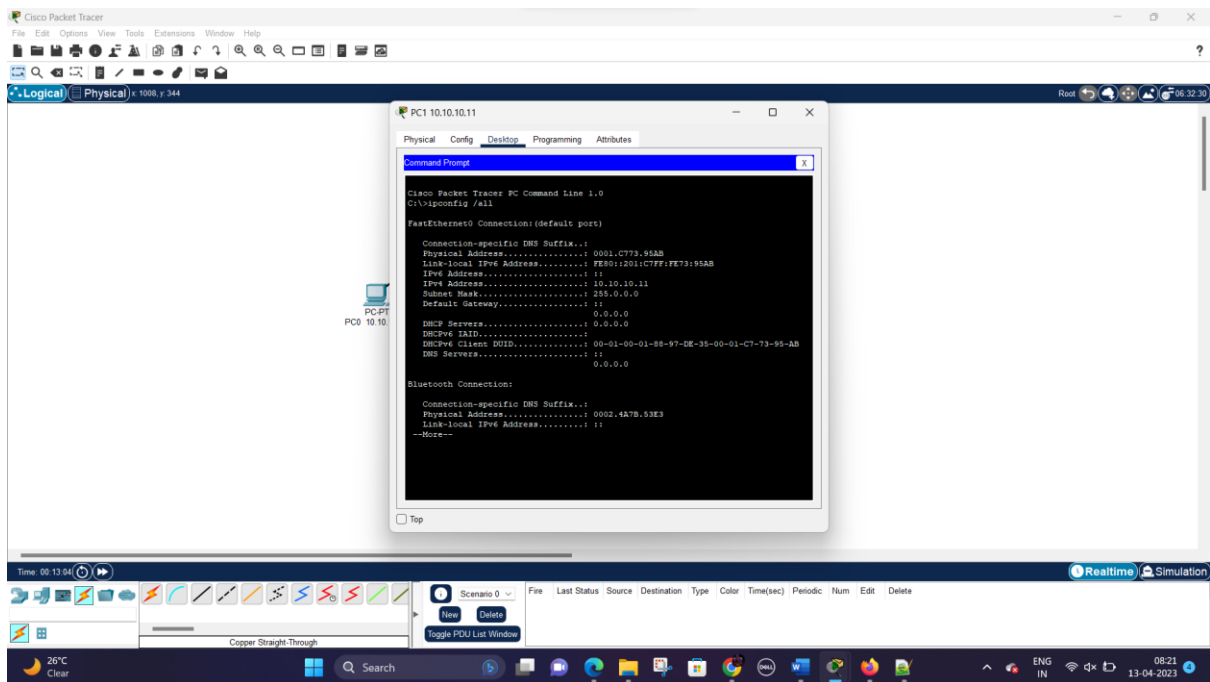
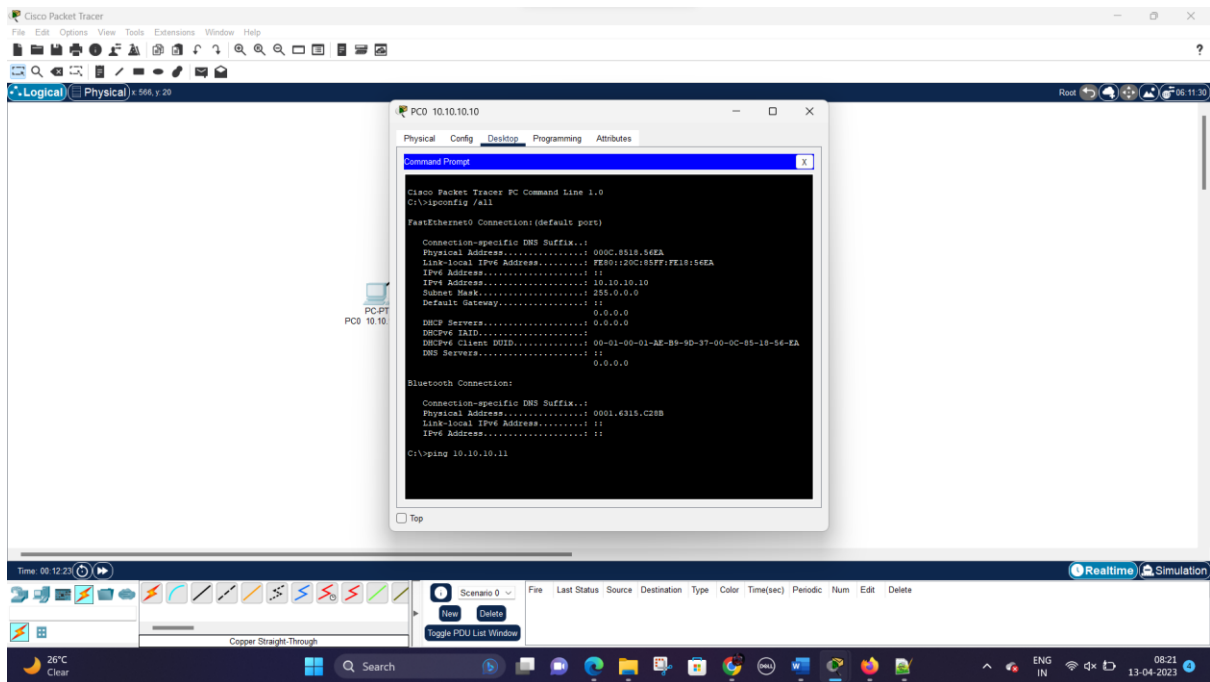
Regno-20BCE0807

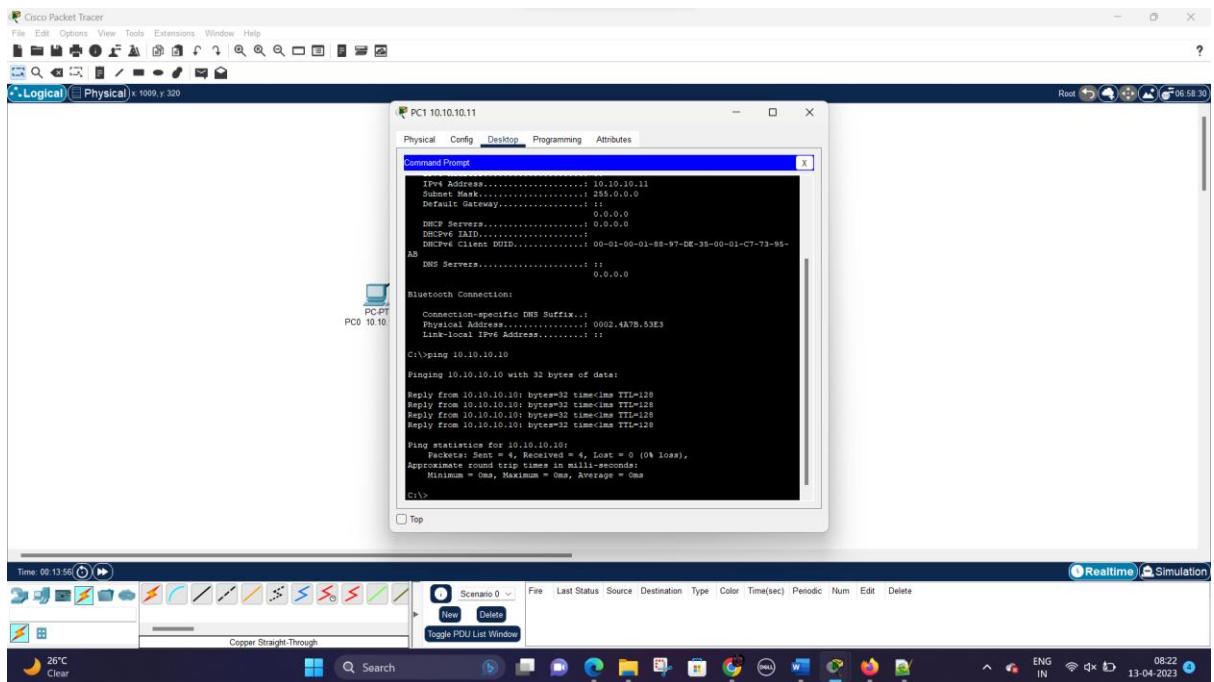
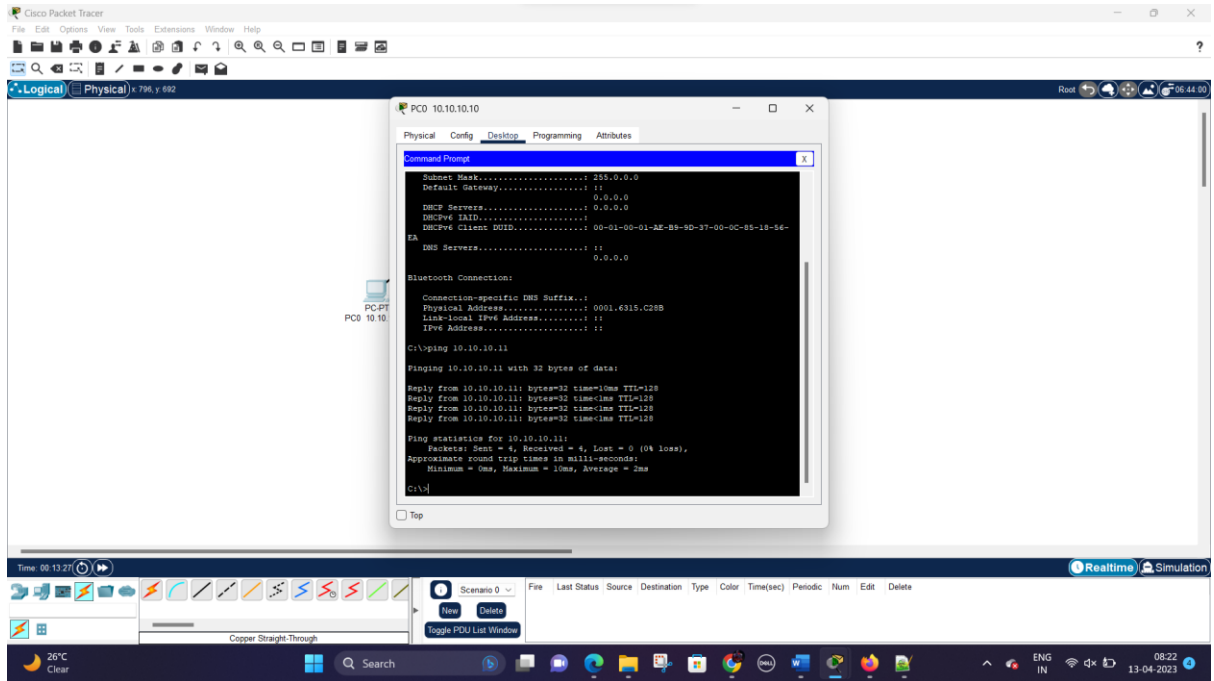
Q-1:

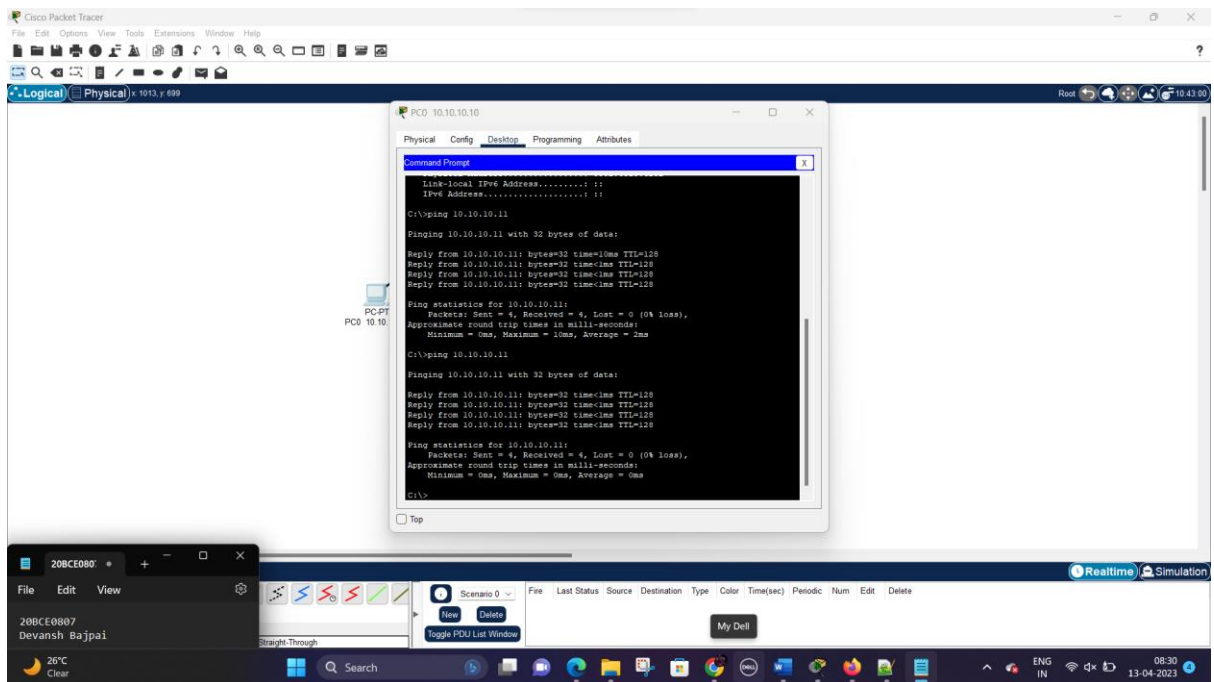
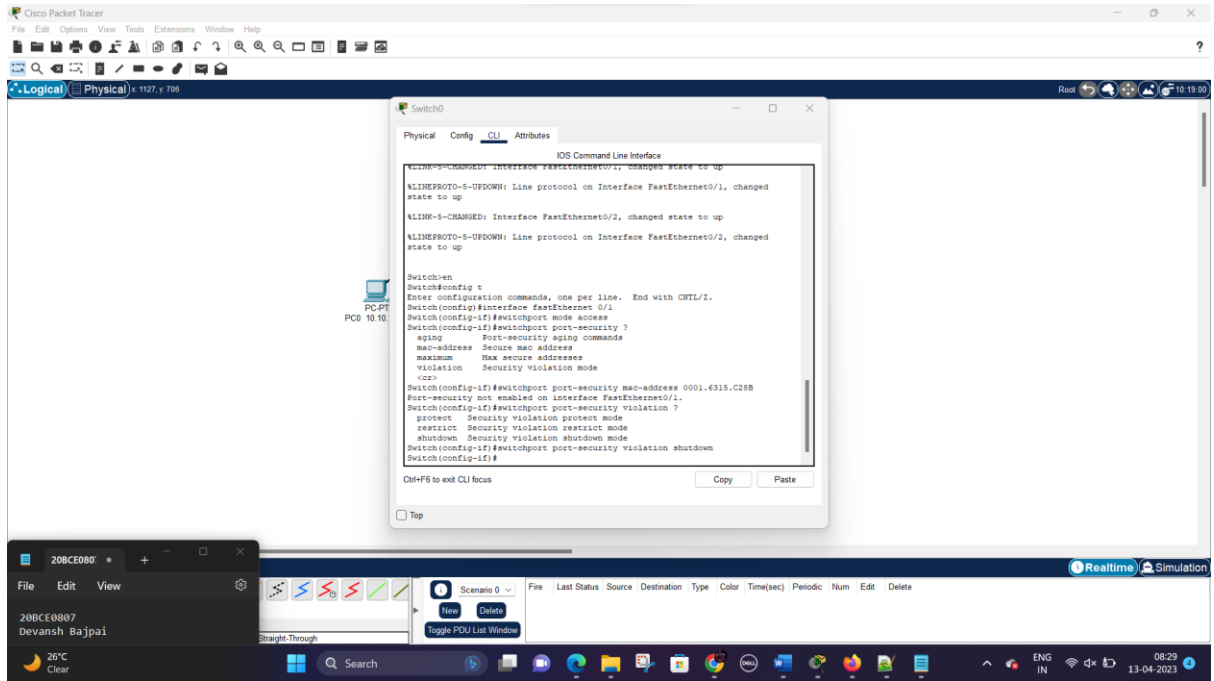
Demonstrate the Port security using the CISCO packet tracer and deploy the security policies in it.
Test your network security w.r to the security policy.

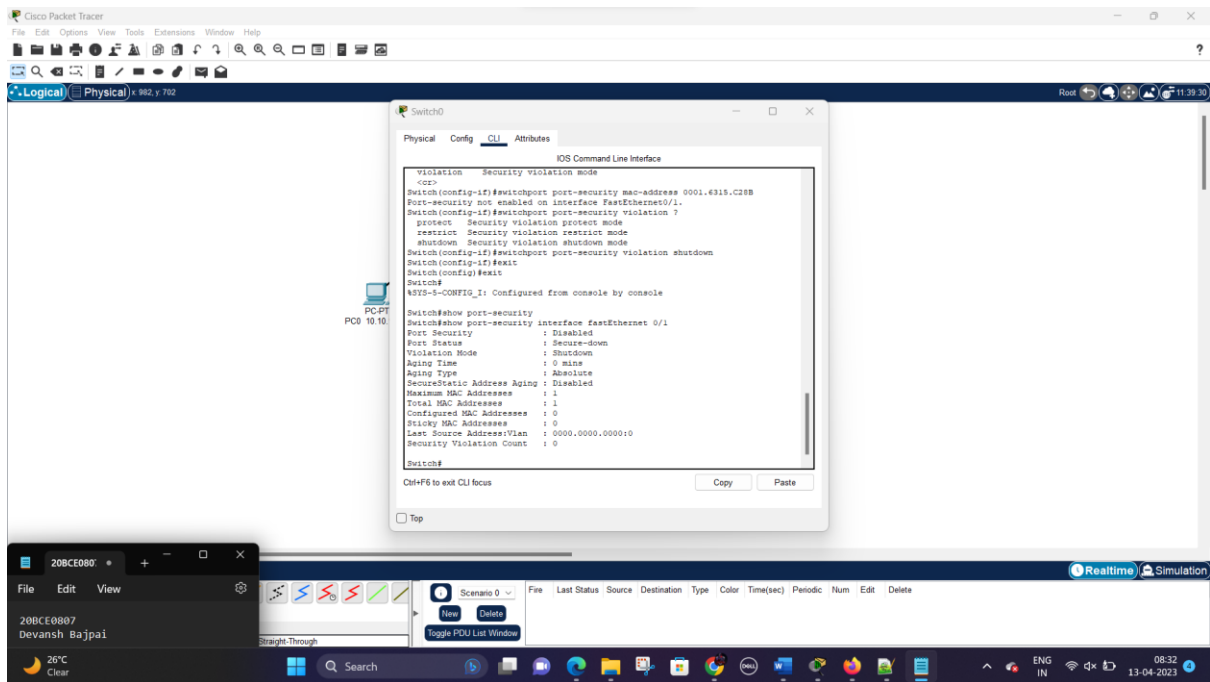




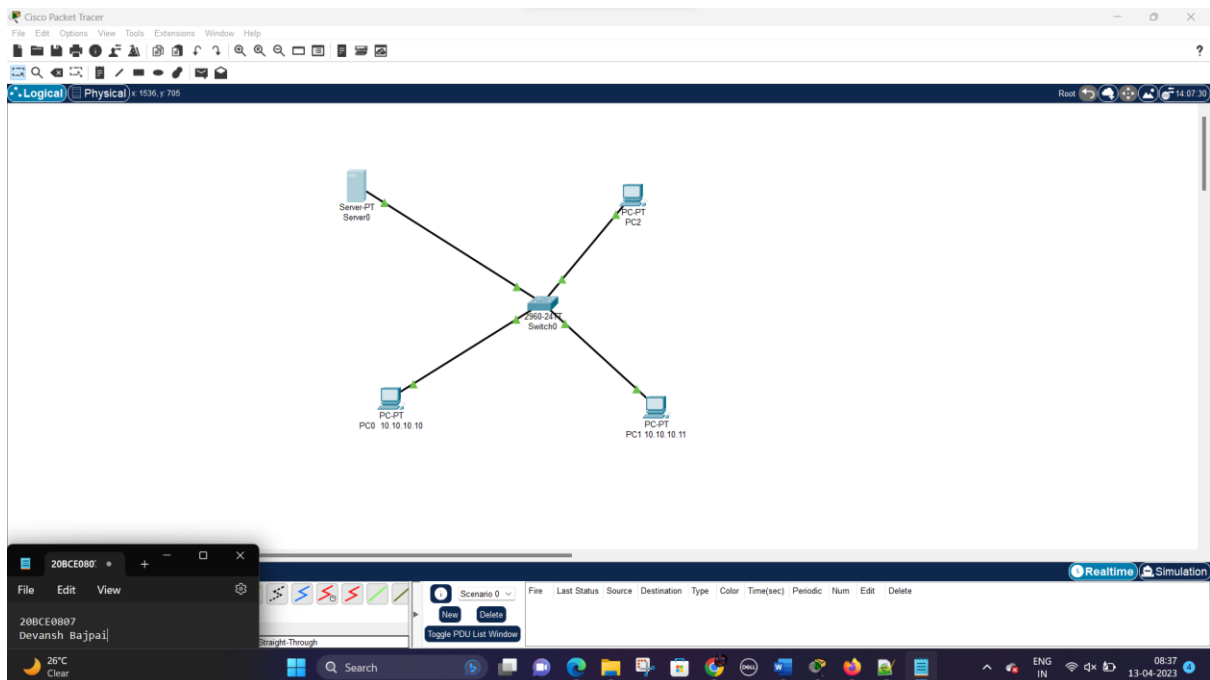


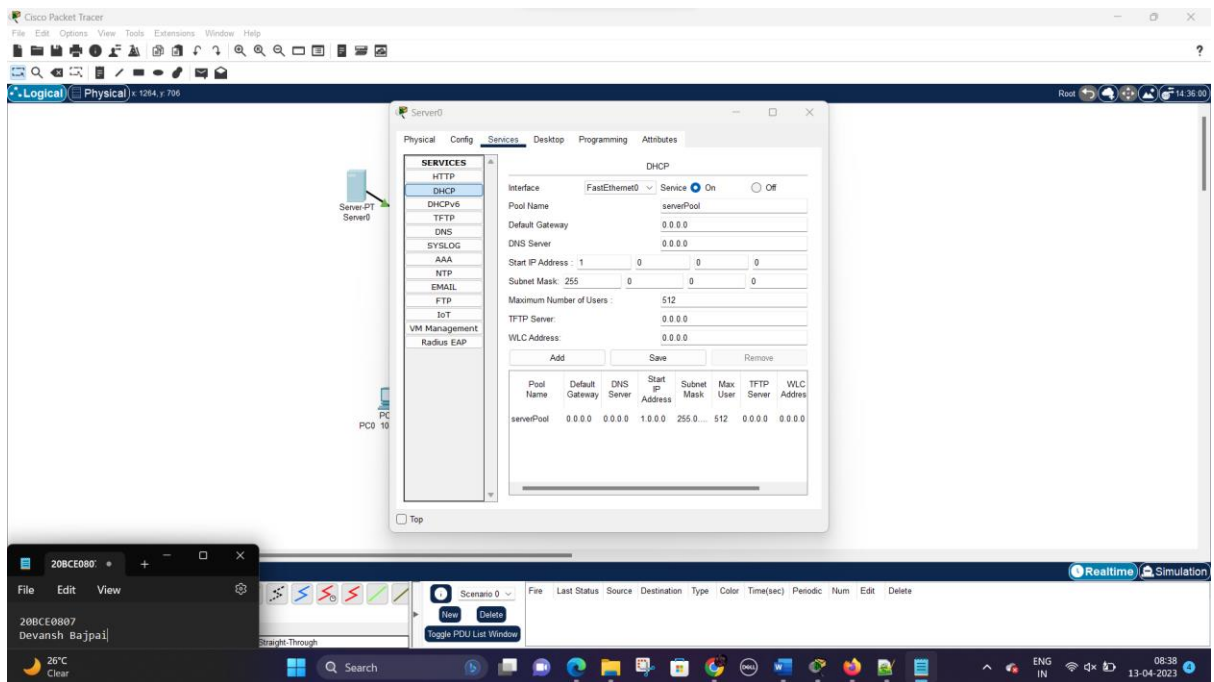
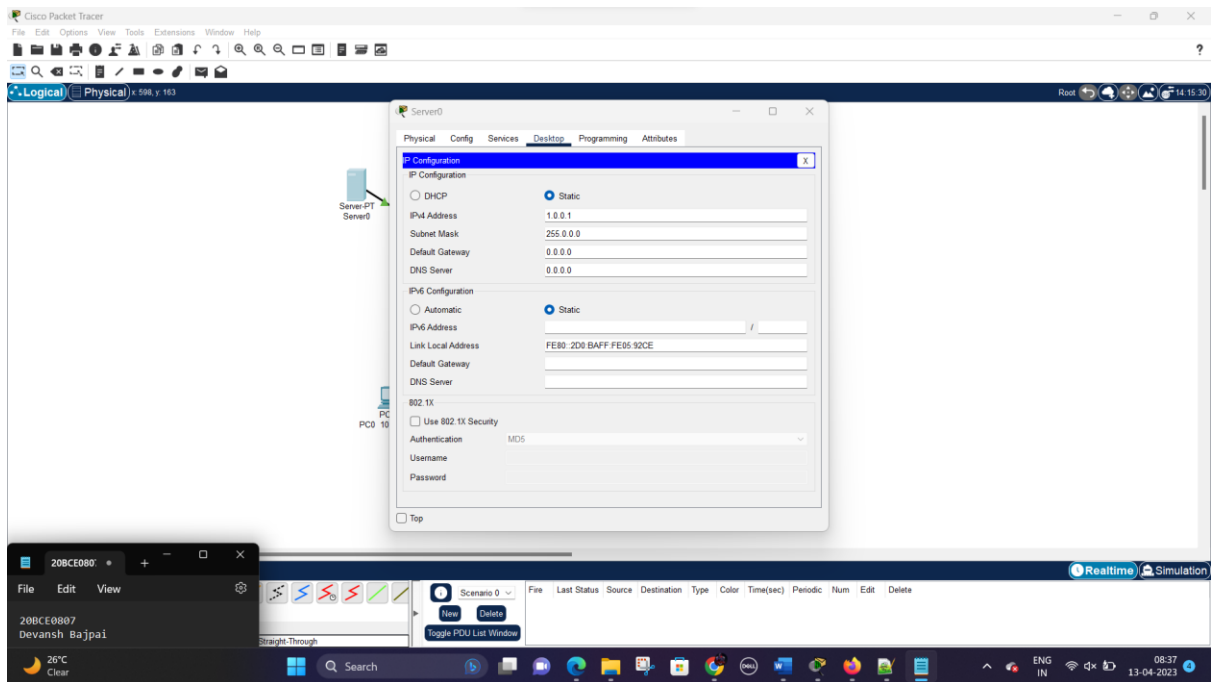


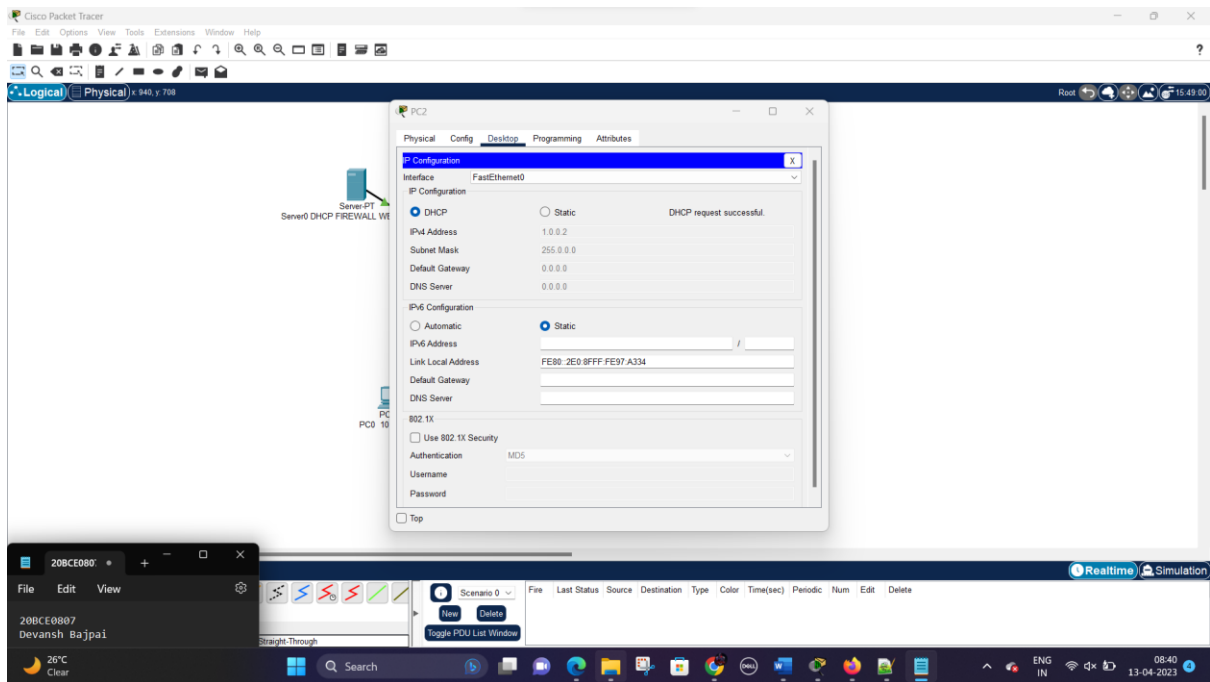




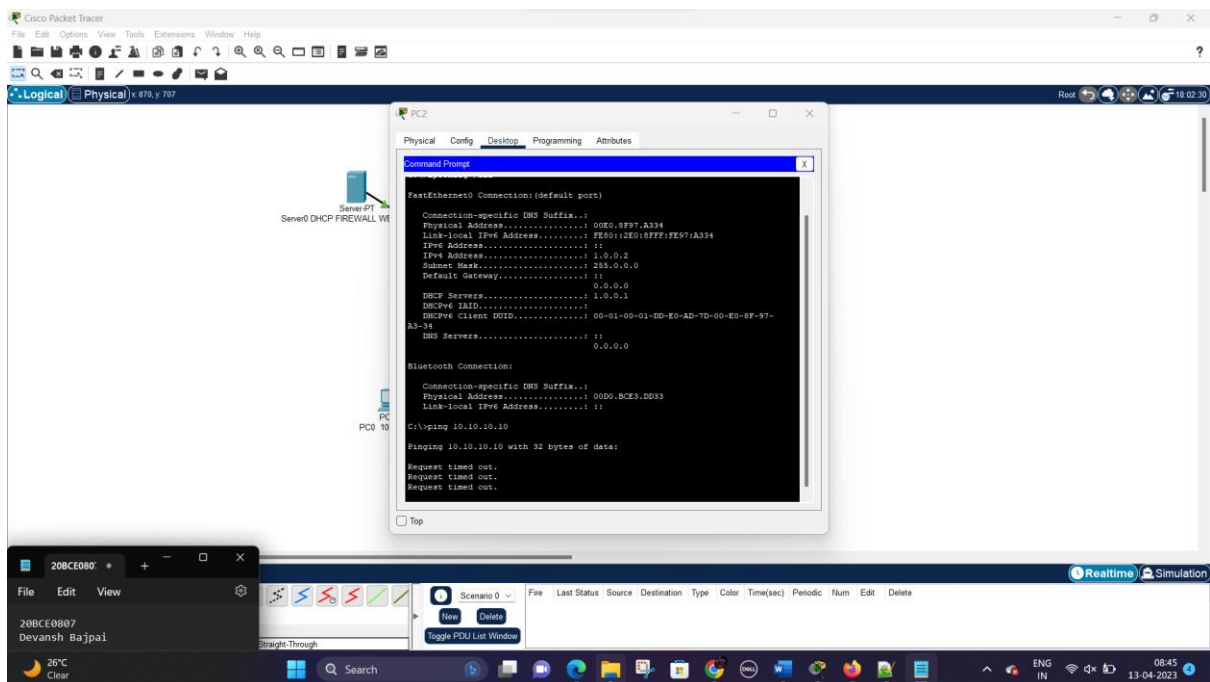
Firewall Configuration for Rule set up and Testing

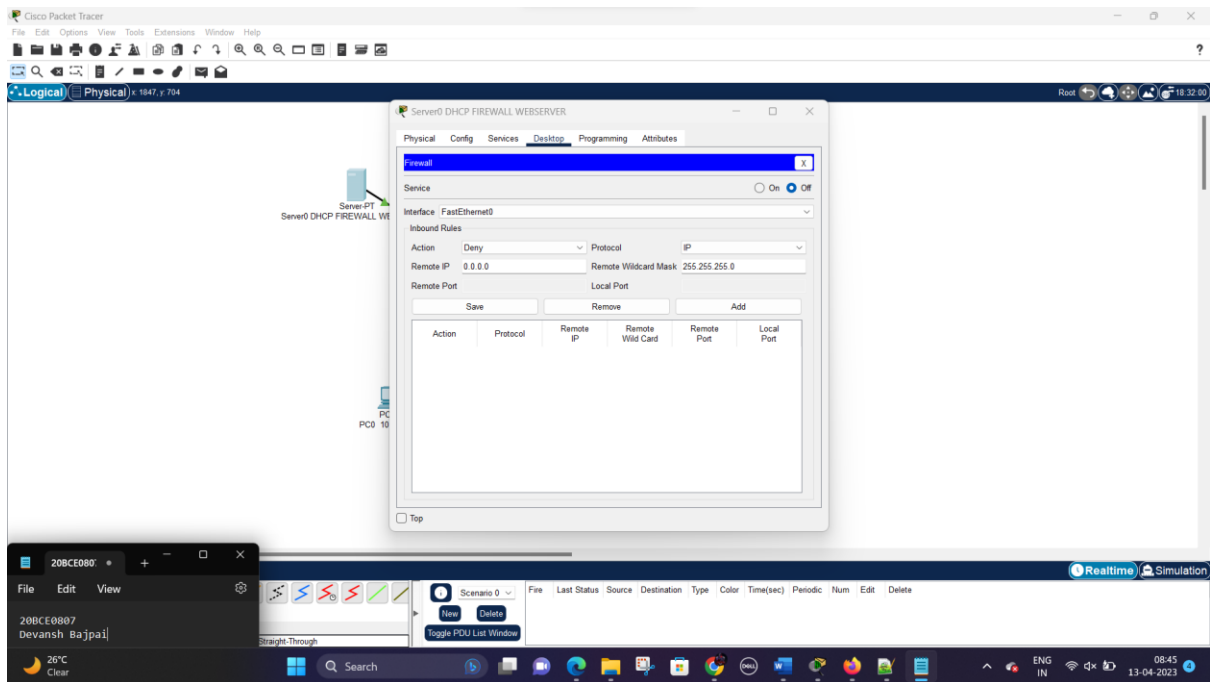






Testing the firewall





Q2-MALWARE ANALYSIS

1. Adware

ISM LAB FAT - devansh.bajpai20... x L19+20.pdf x MalwareBazaar | SHA256 9d716...

bazaar.abuse.ch/sample/9d71627b685b927618a54e6d36aaf63ea8b7a961bedd40fcbe4f1af7067a088/

https://vtop.vit.ac.in... YouTube Loco | India Ka Apr... Gmail (13) WhatsApp CodeTntra (vitcod... inoovit Speedtest Twitch schoolology STS .Spotify - Web Player nlp.iyyb - Colabor...

MALWARE bazaar by ABUSE

Browse Upload Hunting API Export Statistics FAQ About Login

Intelligence 15	IOCs	YARA	File information	Comments	Actions
SHA256 hash:	9d71627b685b927618a54e6d36aaf63ea8b7a961bedd40fcbe4f1af7067a088				
SHA3-384 hash:	ac7e88c38c56b913bd3568881e1f81b677a7cdfb125d515612def77565229e8327ba574db9c63d7a633c7950643c89d				
SHA1 hash:	4d18c4278f36b8a86fde60841260dad17bb81e1a				
MD5 hash:	af58189f26e40258357c41c240b8fc3e				
humanhash:	carpet-nitrogen-nuts-foxtrot				
File name:	file				
Download:	download sample				
Signature	Adware.Neoreklami Alert				
File size:	7'584'967 bytes				
First seen:	2023-04-10 21:50:22 UTC				
Last seen:	2023-04-13 01:16:00 UTC				
	exe				
	application/x-dosexec				
	3786a4cf8bfee8b4821db03449141df4 (1792 x Adware.Neoreklami, 2 x RedLineStealer)				

20BCE0807 Devansh Bajpai

26°C Clear

Search

ENG IN 08:48 13-04-2023

Sandbox

The screenshot displays the CAPE Sandbox web interface for an analysis of a file. The browser tabs include 'ISM LAB FAT - devansh.bajpai20...', 'L19+20.pdf', 'MalwareBazaar | SHA256 9d716...', 'CAPE Sandbox', and 'VirusTotal'. The URL bar shows 'capesandbox.com/analysis/381251/'.

The interface features a navigation bar with links to Dashboard, Recent, Pending, Search, API, Submit, Statistics, User, Docs, and Changelog. A search bar is also present.

The main content area is divided into several sections:

- Quick Overview:** Behavioral Analysis, Network Analysis, Dropped Files (2), Process Dumps (9), Payloads (6), and Compare this analysis to...
- Analysis:** A table showing the analysis details.
- Machine:** A table showing the virtual machine details.
- File Details:** A table showing the file's metadata.
- Signatures:** A list of detected signatures.

Category	Package	Started	Completed	Duration	Log(s)
FILE	exe	2023-04-10 21:55:07	2023-04-10 22:00:20	313 seconds	Show Analysis Log

Name	Label	Manager	Started On	Shutdown On	Route
win7_1	win7_1	KVM	2023-04-10 21:55:08	2023-04-10 22:00:20	USA - Chicago

File Name	File Type	File Size
file	PE32 executable (GUI) Intel 80386, for MS Windows	7584967 bytes

The file details section also shows the file's SHA256 hash: 20BCE0807... and a list of file names: 20BCE0807, Devansh Bajpai, and pdf.

The signatures section lists the following detected behaviors:

- SetUnhandledExceptionFilter detected (possible anti-debug)
- Checks adapter addresses which can be used to detect virtual network interfaces
- Executed a command line with /C or /R argument to terminate command shell on completion which can be used to hide execution
- Possible date expiration check, exits too soon after checking local time
- Guard pages use detected - possible anti-debugging
- Dynamic (Imported) function loading detected
- Reads data out of its own binary image
- A process created a hidden window
- Executed a very long command line or script command which may be indicative of chained commands or obfuscation
- Creates RWX memory
- A scripting utility was executed
- Uses Windows utilities for basic functionality
- Uses Windows utilities to create a scheduled task

The bottom of the interface shows a taskbar with the Windows logo, search bar, and various application icons. The system tray displays the date and time: 08:49 13-04-2023.

VirusTotal

9d71627b685b927618a54e6d36aafc3ea8b7a961bedd40fcbef41af7067a088

49 / 70

7.23 MB Size

2023-04-12 17:47:37 UTC

9 hours ago

EXE

peexe overlay detect-debug-environment long-sleeps calls-wmi spreader

DETECTION DETAILS RELATIONS BEHAVIOR COMMUNITY

Join the VT Community and enjoy additional community insights and crowdsourced detections, plus an API key to automate checks.

Popular threat label **trojan.jak/neoreklami** Threat categories trojan adware dropper Family labels jak neoreklami casdet

Security vendors' analysis

Vendor	Detection
AhnLab-V3	Trojan.Win.Casdet.C5409641
Alibaba	AdWare.Win32/Neoreklami.92a4528f
Gen Variant Application Jak.48175	GrayWare[AdWare].Win32/Neoreklami
Trojan.Application.Jak.DBC2F	Win32/Adware-gen [Adw]
Win32/Adware-gen [Adw]	HEUR/AGEN.1316910

2.Ransomware

MALWARE bazaar

SHA256 hash: afaba2400552c7032a5c4c6e6151df374d0e98dc67204066281e30e6699dbd18

SHA3-384 hash: b64e6c2fda303a5c505efbd616d8311fb6855d67f18f3a7dec203a88c30570b45103254944a9d00f57ad5188da3e0edd

SHA1 hash: e906fa3d51e86a61741b3499145a114e9bf7c56

MD5 hash: 6d3d62a4cff19b4f2cc7ce9027c33be8

humanhash: lake-mirror-iowa-pluto

File name: E906FA3D51E86A61741B3499145A114E9BF7C56.bin

Download: download sample

Signature **Ransomware** Alert

File size: 267 278 bytes

First seen: 2023-04-11 03:40:14 UTC

Last seen: Never

File type: exe

MIME type: application/x-dosexec

imphash **99bf35f43bcff8998b2001d6df68577** (1 x Ransomware)

ssdeep **6144:93g0BQG+aZiycigV5bbEo6dZbBODPlsJQ/UFsYWo:93g0OGjZiycigVRbObBODTMUdj**

1 similar samples on MalwareBazaar

T1AB44C01EB64394F4C2EB8B744B5FF3B91511ED9A8470E97AAEE93E577833691208C031

Sandbox

ISM LAB FAT - devansh.bappa20...L19+20.pdfMalwareBazaar | SHA256 afaba...CAPE Sandbox

capesandbox.com/analysis/381297/

DashboardRecentPendingSearchAPISubmitStatisticsUserDocsChangelog

Quick OverviewBehavioral AnalysisNetwork AnalysisDropped Files (36)Process Dumps (6)Payloads (1)Compare this analysis to...

Analysis

Category	Package	Started	Completed	Duration	Log(s)
FILE	exe	2023-04-11 03:45:08	2023-04-11 03:49:59	291 seconds	Show Analysis Log

Machine

Name	Label	Manager	Started On	Shutdown On	Route
win7_4	win7_4	KVM	2023-04-11 03:45:08	2023-04-11 03:49:59	USA - Chicago

File Details

File Name	E906FA3D51E86A61741B.bin
File Type	PE32 executable (GUI) Intel 80386, for MS Windows
File Size	267278 bytes
MD5	6d3d62a4df19b4f2cc7ce9027c33be8

Waiting for www.capesandbox.com...

L19+20 (1).pdfL19+20.pdfShow all

26°C Clear

ISM LAB FAT - devansh.bappa20...L19+20.pdfMalwareBazaar | SHA256 afaba...CAPE Sandbox

capesandbox.com/analysis/381297/

DashboardRecentPendingSearchAPISubmitStatisticsUserDocsChangelog

Statistics (0.0.0.0)

Signatures

SetUnhandledExceptionFilter detected (possible anti-debug)

Executed a command line with /C or /R argument to terminate command shell on completion which can be used to hide execution

Possible date expiration check, exits too soon after checking local time

A process attempted to delay the analysis task.

Dynamic (imported) function loading detected

Performs HTTP requests potentially not found in PCAP.

HTTPS urls from behavior.

Enumerates running processes

Manipulates data from or to the Recycle Bin

A process created a hidden window

Creates RWX memory

Queries or connects to DNS-Over-HTTPS/DNS-Over-TLS domain or IP address

Looks up the external IP address

Uses Windows utilities for basic functionality

Behavioural detection: Injection (inter-process)

L19+20 (1).pdfL19+20.pdfShow all

26°C Clear

ISM LAB FAT - devansh.bajpai201...L19v20.pdfMalware@azaar | SHA256 afaba2...VirusTotal - File - afaba2400552...

virustotal.com/gui/file/afaba2400552c7032a5c4c6e6151df374d0e98dc67204066281e30e6699dbd18/detection/f-afaba2400552c7032a5c4c6e6151df374d0e98dc67204066281e30e6699dbd18...https://top.vit.ac.in...YouTubeLoco | India Ka Apr...Gmail(13) WhatsAppCodeTanta (vit.cod...inmoovitSpeedtestTwitchschoolgyspotsify - Web Playernlp.pyrb - Colabor...afaba2400552c7032a5c4c6e6151df374d0e98dc67204066281e30e6699dbd18Sign inSign up

61
/70

81 security vendors and 5 sandboxes flagged this file as malicious

afaba2400552c7032a5c4c6e6151df374d0e98dc67204066281e30e6699dbd18261.01 KB2023-04-11 09:02:25 UTC1 day agoafaba2400552c7032a5c4c6e6151df374d0e98dc67204066281e30e6699dbd18.exepevexoverlayruntime-modulesmalwaredirect-cpu-clock-accessvia-torEXE

Community Score

DETECTIONDETAILSRELATIONSBEHAVIORCOMMUNITY

Join the VT Community and enjoy additional community insights and crowdsourced detections, plus an API key to automate checks.

Popular threat labeltrojan.teslacrypt/bitmanThreat categoriestrojanransomwareddropperFamily labelsteslacryptbitmantescrypt

Security vendors' analysisDo you want to automate checks?

AhnLab-V3	Trojan.Win32.Snocry.R142966	Alibaba	Ransom.Win32.Bitman.c7bda614
ALYac	Trojan.Ransom.TeslaCrypt	Antiy-AVL	Trojan(Ransom).Win32.Bitman
	Trojan.Ransom.TeslaCrypt.H	Avast	Win32.GenMalicious-LGB [Trj]
	Win32.GenMalicious-LGB [Trj]	Avira (no cloud)	TR/Dropper.Gen7

20BCE080*20BCE0807Devansh Bajpai|26°C Clear

Search

ENG IN13-04-202308:52