

TASK 4

Malware file analysis is performed safely using tools like VirusTotal by analyzing file hashes instead of executing the actual malware. A hash uniquely identifies a file and allows security tools to check whether it matches any known malicious samples.

By searching a known malware hash in VirusTotal, detection results from multiple antivirus engines can be reviewed. The analysis includes detection ratio, malware classification, file details, observed behaviours, network activity, and relationships with other malicious indicators.

This method helps in understanding malware behaviour, lifecycle, spreading techniques, and prevention strategies without risking system security. It is widely used for malware awareness, research, and basic threat detection.

HASHING

Hashing is the process of converting any data (file, text, password) into a fixed-length unique value called a hash.

For this installing a malware application is not nice performance, so through hashing we check that using online hash identifiers.

fad89cd3d010b686f0fb8aaf22d79576d589d29f648b42d917b7f5cafe6c0ed3

This hashing denotes WannaCry ransomware SHA256 hash.txt

Here is the detailed report about the hashing value

fad89cd3d010b686f0fb8aaf22d79576d589d29f648b42d917b7f5caf6c0ed3

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Basic properties

MD5

2c08813268ed74367e7db77a179385a2

SHA-1

65a5706870295755546d1805d5d430cb8f2d579

SHA-256

fad89cd3d010b686f0fb8aaf22d79576d589d29f648b42d917b7f5caf6c0ed3

SSDEEP

3:bwg0Qv+Br3EKovLdWQEOeHG/End5cjQhraW/en:brmBrOKUWQgkAdCshOW/e

TLSH

T16BB01230312DD89D950CC28115F500C0180605D11676C4609611E8026E126CE31220C0

File type

Text

Magic

ASCII text, with CRLF line terminators

TrID

file seems to be plain text/ASCII (0%)

Magika

TXT

File size

87 B (87 bytes)

History

First Submission

2026-01-22 06:06:01 UTC

Last Submission

2026-01-22 06:06:01 UTC

Last Analysis

2026-01-22 06:06:01 UTC

Names

WannaCry ransomware SHA256 hash.txt