

Malware capabilities :

- 1.to execute commands on the device.
- 2.download file from the device.
- 3.upload file to the target device.
- 4.reverse connection.

Different types of malwares :

Bot	A bot is a software program that performs an automated task.
Ransomware	Encrypt device data.
Rootkit	Provide remote access to the device.
Spyware	Steal information and monitor the activities of users.
Trojan	They hide in other applications and files. A trojan can't spread by itself.
Virus	infects other programs and can spread to other systems.
Worm	worms can spread itself to other devices in network or systems.
Adware	Adware (short for advertising-supported software) is a type of malware that automatically delivers advertisements.
Fileless malware	Fileless malware is a type of malicious software that uses legitimate programs to infect a computer

Datasets :

1. <https://github.com/ytisf/theZoo>
2. <https://github.com/InQuest/malware-samples>
3. <https://github.com/fabrimagic72/malware-samples>
4. <https://github.com/MalwareSamples/Malware-Feed>

5. <https://www.exploit-db.com/>
6. https://github.com/ocatak/malware_api_class
7. <https://github.com/sophos-ai/SOREL-20M>

Official Docs

1. <https://docs.microsoft.com/en-us/microsoft-365/security/intelligence/understanding-malware?view=o365-21vianet>
2. <https://www.geeksforgeeks.org/difference-between-virus-and-malware/>