

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.
Zombie	Zombie programs take control of your computer and use it and its Internet connection to attack other computers or networks or to perform other criminal activities.
Phishing	Phishing (pronounced like the word 'fishing') is a message that tries to trick you into providing information like your social security number or bank account information or logon and password for a web site.
Spam	Spam is email that you did not request and do not want.
Adware	Adware (short for advertising-supported software) is a type of malware that automatically delivers advertisements.
Downloader	Share the primary functionality of downloading content.
Dropper	Surreptitiously carries viruses, back doors and other malicious software so they can be executed on the compromised machine.
Backdoor	A technique in which a system security mechanism is bypassed undetectably to access a computer or its data.

Datasets :

<https://github.com/ytisf/theZoo>

<https://github.com/InQuest/malware-samples>

<https://github.com/fabrimagic72/malware-samples>

<https://github.com/MalwareSamples/Malware-Feed>

<https://www.exploit-db.com/>

https://github.com/ocatak/malware_api_class