VIPER - USING MISP FROM YOUR TER-MINAL

MISP - THREAT SHARING

CIRCL / TEAM MISP PROJECT

MISP Project https://www.misp-project.org/

NSPA



Viper - Using MISP from your terminal

05

2022-08



VIPER - MAIN IDEAS

Viper is a **binary analysis and management framework**. Its fundamental objective is to provide a solution to **easily organize** your collection of **malware** and **exploit samples** as well as your collection of **scripts** you created or found over the time to facilitate your daily research. Think of it as a **Metasploit for malware researchers**: it provides a terminal interface that you can use to **store**, **search** and **analyze** arbitrary files with and a framework to **easily create plugins** of any sort. Viper - Using MISP from your terminal

└─Viper - Main ideas

VIPER - MAIN IDEA

Viper is a binary analysis and management framework try fundemental objective is to provide a solution to easily organize your collection of granity your context of found over the time to facilitate your doily research. Think of terminal interface that you can be a start of a search and analyze orbitrary files with and a framework to easily create plugins of ony sort.

05

2022-08

VIPER

မ္မှ Viper - Using MISP from your terminal

-Viper

Solid CLI
 Plenty of modules (PE files, *office, ELF, APK, ...)
 Connection to <u>and party services</u> (MISP, VirusTotal, cuckoo)
 Connectors to <u>and party tools</u> (IDA, radare)
 Locale storage of your own zoo
 Dijango interacies i available (IVe been told)

Solid CLI

- Plenty of modules (PE files, *office, ELF, APK, ...)
- Connection to **3rd party services** (MISP, VirusTotal, cuckoo)
- Connectors to **3rd party tools** (IDA, radare)
- Locale storage of your own zoo
- Django interface is available (I've been told)

2022-08-

·	+	+
Command	Description 	
Command 	Extract information from ELF headers Parse emu and mg email files Extract Exif MetaData Search for similar files through fuzzy hashing Parse html files and extract content Start IDA Pro Parse Java JAR archives Perform analysis on images Parse Java JAR archives Interact with Koodous Submit files and retrieve reports from LastLine (default will print short summary) Get Macho OSX Headers Upload and query IOCs to/from a MISP instance Office Document Parser Parse Java and analyze PDF documents Query a Passive DNS server Extract information from PE32 headers Query a Passive SSL server	
r2 rat reports	Start Radare2 Extract information from known RAT families Online Sandboxes Reports	
shellcode size strings	Search for known shellcode patterns Size command to show/scan/cluster files Extract strings from file	
swf triage	Parse, analyzé and decompress Flash objects Perform some initial triaging and tagging of the file	

မှ Viper - Using MISP from your terminal

└__ Viper

2022-



12

PyMISP & Viper

2022-08-05

မှု Viper - Using MISP from your terminal

└─PyMISP & Viper

Full featured CLI for MISP
 Remote storage of your zoo
 Search (Cross check with VirusTotal
 Create / Update / Show / Publish Event
 Download / Upload Samples
 Mass export / Upload / Download
 Get Yar rules

Full featured CLI for MISP

- Remote storage of your zoo
- Search / Cross check with VirusTotal
- Create / Update / Show / Publish Event
- Download / Upload Samples
- Mass export / Upload / Download
- Get Yara rules

MISP MODULE

Upload and query IOCs to/from a MISP instance

positional arguments:

{upload,download,search,check_hashes,yara,pull,create_event,add,show,open,publish,ve rsion.store}

Send malware sample to MISP.
Download malware samples from MISP.
Search in all the attributes.
Crosscheck hashes on VT.
Get YARA rules of an event.
Initialize the session with an existing MISP event.
Create a new event on MISP and initialize the session
with it.
Add attributes to an existing MISP event.
Show attributes to an existing MISP event.
Open a sample from the temp directory.
Publish an existing MISP event.
Returns the version of the MISP instance.
Store the current MISP event in the current project.

optional arguments: -h, --help

--url URL

-v, --verify

show this help message and exit URL of the MISP instance -k KEY, --kev KEY Your key on the MISP instance Disable certificate verification (for self-signed)

Viper - Using MISP from your terminal 05 8 8 0 2022-

-MISP Module



မှ Viper - Using MISP from your terminal 80 2022-

└─Viper & VT

Searches for hashes/ips/domains/URLs from the current MISP event, or download the samples Download samples from current MISP event Download all samples from all the MISP events of the

- Searches for hashes/ips/domains/URLs from the current MISP event, or download the samples
- Download samples from current MISP event
- Download all samples from all the MISP events of the current session

VIRUSTOTAL MODULE

Lookup the file on VirusTotal

optional arguments:

operonae argomenes.	
	show this help message and exit
search SEARCH	Search a hash.
-c COMMENT [COMMENT .],comment COMMENT [COMMENT]
-	Comment to add to the file
-ddownload	Hash of the file to download
	List the downloaded files
	download open DOWNLOAD OPEN
	Open a file from the list of the DL files (ID)
- don DOWNLOAD OPEN NA	ME,download open name DOWNLOAD OPEN NAME
- don Downeord_oren_nr	Open a file by name from the list of the DL files
	(NAMe)
-dd DOWNLOAD_DELETE,	download_delete DOWNLOAD_DELETE
	Delete a file from the list of the DL files can be an
	ID or all.
-s,submit	Submit file or a URL to VirusTotal (by default it only
	looks up the hash/url)
	IP address to lookup in the passive DNS
-dm DOMAIN,domain	DOMAIN
	Domain to lookup in the passive DNS
-u URL,url URL	URL to lookup on VT
-v,verbose	Turn on verbose mode.
-m {hashes.ips.domain	<pre>s,urls,download,download all},misp {hashes,ips,domains</pre>
download,download all}	
	Searches for the hashes, ips, domains or URLs from the
	current MISP event, or download the samples if
	possible. Be carefull with download all: it will
	download *all* the samples of all the MISP events in

the current project.

မှ Viper - Using MISP from your terminal

└─VirusTotal Module



2022-08

EXTRA FEATURES

မ္မှ Viper - Using MISP from your terminal

└─Extra features

98

2022-

Link to a MISP event
 Local storage of the MISP event
 On the fly cross-check of MISP atributes with 3rd party
 services
 Never leaving your CL!!

Link to a MISP event

- Local storage of the MISP event
- On the fly cross-check of MISP atributes with 3rd party services
- Never leaving your CLI!

ہوں۔ Viper - Using MISP from your terminal اللہ کی لیے کو کو کو

 Fully featured CLI for Passive SSL Fully featured CLI for Passive DNS Can launch Radarez or IDA

- Fully featured CLI for **Passive SSL**
- Fully featured CLI for **Passive DNS**
- Can launch Radare2 or IDA

PASSIVE SSL

Viper - Using MISP from your terminal

octage: pict (-h) (at (-t r(t(4)	L 2011 [(~4 5518] [~2 FASSA003] [~5 27] (~C C011] [~7] [~0 [(\$95)]
	Parsward on the PSSL instance in to query (can be a black, max /221). DBMI of the perilficate in search.

	URL] [-u USER] [-p PASSWORD] [-i IP] [-c CERT] [-v] [-m {ips}]
Query a Passive SSL ser	ver
optional arguments:	
	show this help message and exit
url URL	URL of the Passive SSL server (No path)
-u USER,user USER	Username on the PSSL instance
-p PASSWORD,passwo	rd PASSWORD
	Password on the PSSL instance
-i IP,ip IP	IP to query (can be a block, max /23).
-c CERT,cert CERT	SHA1 of the certificate to search.
-f FETCH,fetch FET	CH
	SHA1 of the certificate to fetch.
-v,verbose	Turn on verbose mode.
-m {ips},misp {ips	
	Searches for the ips from the current MISP event

PASSIVE DNS

Viper - Using MISP from your terminal

olage: pass (-h) (art (avera)	05] [-1 031] [-2 043493] [-2] [-1 (12,461293)]
Query a Packine DBS Ger	
pesitional anguments: query	
	Fassward on the PDHS instance Tark an verSate mode.

viper > pdns -h usage: pdns [-h] [url [query]	URL] [-u USER] [-p PASSWORD] [-v] [-m {ips,domains}]
Query a Passive DNS ser	ver
positional arguments: query	Domain or IP address to query
url URL -u USER,user USER -p PASSWORD,passwo	Password on the PDNS instance Turn on verbose mode.



https://github.com/MISP/PyMISP

- https://github.com/MISP/
- https://github.com/viper-framework/viper
- We welcome new functionalities and pull requests.

Viper - Using MISP from your terminal

-Q&A

bits://github.com/MISP/PyMISP
bits://github.com/MISP/
bits://github.com/MISP/
bits://github.com/ujper-framework/vjper
bitwewelcom.newfunctionalities.ad pull request.

2022-08-05