MISP Objects

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Introduction

The MISP threat sharing platform is a free and open source software helping information sharing of threat intelligence including cyber security indicators, financial fraud or counter-terrorism information. The MISP project includes multiple sub-projects to support the operational requirements of analysts and improve the overall quality of information shared.

MISP objects are used in MISP (starting from version 2.4.80) system and can be used by other information sharing tool. MISP objects are in addition to MISP attributes to allow advanced combinations of attributes. The creation of these objects and their associated attributes are based on real cyber security use-cases and existing practices in information sharing. The objects are just shared like any other attributes in MISP even if the other MISP instances don't have the template of the object. The following document is generated from the machine-readable JSON describing the MISP objects.

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If you are interested to co-fund projects around MISP, feel free to get in touch with us.

MISP objects

ail-leak

An information leak as defined by the AIL Analysis Information Leak framework..

ail-leak is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
sensor	text	The AIL sensor uuid where the leak was processed and analysed.	-
duplicate	text	Duplicate of the existing leaks.	-
duplicate_number	counter	Number of known duplicates.	-
origin	text	The link where the leak is (or was) accessible at first-seen.	-
text	text	A description of the leak which could include the potential victim(s) or description of the leak.	✔
original-date	datetime	When the information available in the leak was created. It's usually before the first-seen.	✔
last-seen	datetime	When the leak has been accessible or seen for the last time.	✔

Object attribute	MISP attribute type	Description	Disable correlation
first-seen	datetime	When the leak has been accessible or seen for the first time.	✔
raw-data	attachment	Raw data as received by the AIL sensor compressed and encoded in Base64.	✔

ais-info

Automated Indicator Sharing (AIS) Information Source Markings..

ais-info is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
organisation	text	AIS Organisation Name.	-
administrative-area	text	AIS Administrative Area represented using ISO-3166-2.	-

Object attribute	MISP attribute type	Description	Disable correlation
industry	text	AIS IndustryType. ['Chemical Sector', 'Commercial Facilities Sector', 'Communications Sector', 'Critical Manufacturing Sector', 'Dams Sector', 'Defense Industrial Base Sector', 'Emergency Services Sector', 'Energy Sector', 'Financial Services Sector', 'Food and Agriculture Sector', 'Government Facilities Sector', 'Healthcare and Public Health Sector', 'Information Technology Sector', 'Nuclear Reactors, Materials, and Waste Sector', 'Transportation Systems Sector', 'Water and Wastewater Systems Sector', 'Other']	-
country	text	AIS Country represented using ISO-3166-1_alpha-2.	-

android-permission

A set of android permissions - one or more permission(s) which can be linked to other objects (e.g. malware, app)..

android-permission is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
permission	text	Android permission ['ACCESS_CHECKIN_PROPERTIES', 'ACCESS_COARSE_LOCATION', 'ACCESS_FINE_LOCATION', 'ACCESS_LOCATION_EXTRA_COMMANDS', 'ACCESS_NETWORK_STATE', 'ACCESS_NOTIFICATION_POLICY', 'ACCESS_WIFI_STATE', 'ACCOUNT_MANAGER', 'ADD_VOICEMAIL', 'ANSWER_PHONE_CALLS', 'BATTERY_STATS', 'BIND_ACCESSIBILITY_SERVICE', 'BIND_APPWIDGET', 'BIND_AUTOFILL_SERVICE', 'BIND_CARRIER_MESSAGING_SERVICE', 'BIND_CHOOSER_TARGET_SERVICE', 'BIND_CONDITION_PROVIDER_SERVICE', 'BIND_DEVICE_ADMIN', 'BIND_DREAM_SERVICE', 'BIND_INCALL_SERVICE', 'BIND_INPUT_METHOD', 'BIND_MIDI_DEVICE_SERVICE', 'BIND_NFC_SERVICE', 'BIND_NOTIFICATION_LISTENER_SERVICE', 'BIND_PRINT_SERVICE', 'BIND_QUICK_SETTINGS_TILE', 'BIND_REMOTEVIEWS', 'BIND_SCREENING_SERVICE', 'BIND_TELECOM_CONN	-

Object attribute	MISP attribute type	Description	Disable correlation
comment	comment	Comment about the set of android permission(s)	-

annotation

An annotation object allowing analysts to add annotations, comments, executive summary to a MISP event, objects or attributes..

annotation is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	Raw text of the annotation	-
ref	link	Reference(s) to the annotation	-
type	text	Type of the annotation ['Annotation', 'Executive Summary', 'Introduction', 'Conclusion', 'Disclaimer', 'Keywords', 'Acknowledgement', 'Other', 'Copyright', 'Authors', 'Logo']	✔
format	text	Format of the annotation ['text', 'markdown', 'asciidoctor', 'MultiMarkdown', 'GFM', 'pandoc', 'Fountain', 'CommonWork', 'kramdown-rfc2629', 'rfc7328', 'Extra']	✔

AIL_SERVICE',
'BIND_VOICE_INTERAC
TION',
'BIND_VPN_SERVICE',
'BIND_VR_LISTENER_S
ERVICE',
'BIND_WALLPAPER',
'BLUETOOTH',
'BLUETOOTH_ADMIN',
'BLUETOOTH_PRIVILE

DIAGNOSTIC',
'DISABLE_KEYGUARD',
'DUMP',
'EXPAND_STATUS_BAR',
'FACTORY_TEST',

Object attribute	MISP attribute type	Description	Disable correlation
creation-date	datetime	Initial creation of the annotation	-
modification-date	datetime	Last update of the annotation	-

asn

Autonomous system object describing an autonomous system which can include one or more network operators management an entity (e.g. ISP) along with their routing policy, routing prefixes or alike..

asn is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
asn	AS	Autonomous System Number	-
description	text	Description of the autonomous system	-
country	text	Country code of the main location of the autonomous system	-
subnet-announced	ip-src	Subnet announced	-
first-seen	datetime	First time the ASN was seen	✔
last-seen	datetime	Last time the ASN was seen	✔
import	text	The inbound IPv4 routing policy of the AS in RFC 2622 – Routing Policy Specification Language (RPSL) format	-

'INSTALL_LOCATION_PROVIDER',
'INSTALL_PACKAGES',
'INSTALL_SHORTCUT',
'INSTANT_APP_FOREGROUND_SERVICE',
'INTERNET',
'KILL_BACKGROUND_PROCESSES',
'LOCATION_HARDWARE',

'READ_LOGS',
'READ_PHONE_NUMBERS',
'READ_PHONE_STATE',

Object attribute	MISP attribute type	Description	Disable correlation
export	text	The outbound routing policy of the AS in RFC 2622 – Routing Policy Specification Language (RPSL) format	-
mp-import	text	The inbound IPv4 or IPv6 routing policy of the AS in RFC 4012 – Routing Policy Specification Language next generation (RPSLng), section 4.5. format	-
mp-export	text	This attribute performs the same function as the export attribute above. The difference is that mp-export allows both IPv4 and IPv6 address families to be specified. The export is described in RFC 4012 – Routing Policy Specification Language next generation (RPSLng), section 4.5. format	-

av-signature

Antivirus detection signature.

av-signature is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
software	text	Name of antivirus software	✔
signature	text	Name of detection signature	-

Object attribute	MISP attribute type	Description	Disable correlation
text	text	Free text value to attach to the file	✔
datetime	datetime	Datetime	✔

bank-account

An object describing bank account information based on account description from goAML 4.0..

bank-account is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	A description of the bank account.	✔
institution-name	text	Name of the bank or financial organisation.	✔
institution-code	text	Institution code of the bank.	✔
swift	bic	SWIFT or BIC as defined in ISO 9362.	✔
branch	text	Branch code or name	✔
non-banking-institution	boolean	A flag to define if this account belong to a non-banking organisation. If set to true, it's a non-banking organisation.	✔
account	bank-account-nr	Account number	✘
currency-code	text	Currency of the account. ['USD', 'EUR']	✔
aba-rtn	aba-rtn	ABA routing transit number	✘

'WRITE_CALL_LOG', 'WRITE_CONTACTS', 'WRITE_EXTERNAL_STORAGE', 'WRITE_GSERVICES', 'WRITE_SECURE_SETTINGS', 'WRITE_SETTINGS', 'WRITE_SYNC_SETTING

Object attribute	MISP attribute type	Description	Disable correlation
account-name	text	A field to freely describe the bank account details.	-
iban	iban	IBAN of the bank account.	-
client-number	text	Client number as seen by the bank.	-
personal-account-type	text	Account type. ['A - Business', 'B - Personal Current', 'C - Savings', 'D - Trust Account', 'E - Trading Account', 'O - Other']	✔
opened	datetime	When the account was opened.	✔
closed	datetime	When the account was closed.	✔
balance	text	The balance of the account after the suspicious transaction was processed.	✔
date-balance	datetime	When the balance was reported.	✔
status-code	text	Account status at the time of the transaction processed. ['A - Active', 'B - Inactive', 'C - Dormant']	✔
beneficiary	text	Final beneficiary of the bank account.	✔
beneficiary-comment	text	Comment about the final beneficiary.	✔

Object attribute	MISP attribute type	Description	Disable correlation
comments	text	Comments about the bank account.	✔
report-code	text	Report code of the bank account. ['CTR Cash Transaction Report', 'STR Suspicious Transaction Report', 'EFT Electronic Funds Transfer', 'IFT International Funds Transfer', 'TFR Terror Financing Report', 'BCR Border Cash Report', 'UTR Unusual Transaction Report', 'AIF Additional Information File – Can be used for example to get full disclosure of transactions of an account for a period of time without reporting it as a CTR.', 'IRI Incoming Request for Information – International', 'ORI Outgoing Request for Information – International', 'IRD Incoming Request for Information – Domestic', 'ORD Outgoing Request for Information – Domestic']	✔

cap-alert

Common Alerting Protocol Version (CAP) alert object.

cap-alert is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
identifier	text	The identifier of the alert message in a number or string uniquely identifying this message, assigned by the sender.	✔
sender	text	The identifier of the sender of the alert message which identifies the originator of this alert. Guaranteed by assigner to be unique globally; e.g., may be based on an Internet domain name.	✔
sent	datetime	The time and date of the origination of the alert message.	✔
status	text	The code denoting the appropriate handling of the alert message. ['Actual', 'Exercise', 'System', 'Test', 'Draft']	-
msgType	text	The code denoting the nature of the alert message. ['Alert', 'Update', 'Cancel', 'Ack', 'Error']	✔
source	text	The text identifying the source of the alert message. The particular source of this alert; e.g., an operator or a specific device.	✔

Object attribute	MISP attribute type	Description	Disable correlation
scope	text	The code denoting the intended distribution of the alert message. ['Public', 'Restricted', 'Private']	✔
restriction	text	The text describing the rule for limiting distribution of the restricted alert message.	✔
addresses	text	The group listing of intended recipients of the alert message. (1) Required when <scope> is “Private”, optional when <scope> is “Public” or “Restricted”. (2) Each recipient SHALL be identified by an identifier or an address. (3) Multiple space-delimited addresses MAY be included. Addresses including whitespace MUST be enclosed in double-quotes.	✔
code	text	The code denoting the special handling of the alert message.	✔
note	text	The text describing the purpose or significance of the alert message.	✔

Object attribute	MISP attribute type	Description	Disable correlation
references	text	The group listing identifying earlier message(s) referenced by the alert message. (1) The extended message identifier(s) (in the form sender,identifier,sent) of an earlier CAP message or messages referenced by this one. (2) If multiple messages are referenced, they SHALL be separated by whitespace.	✔
incident	text	The group listing naming the referent incident(s) of the alert message. (1) Used to collate multiple messages referring to different aspects of the same incident. (2) If multiple incident identifiers are referenced, they SHALL be separated by whitespace. Incident names including whitespace SHALL be surrounded by double-quotes.	✔

cap-info

Common Alerting Protocol Version (CAP) info object.

cap-info is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
language	text	The code denoting the language of the info sub-element of the alert message.	✔
category	text	The code denoting the category of the subject event of the alert message. ['Geo', 'Met', 'Safety', 'Security', 'Rescue', 'Fire', 'Health', 'Env', 'Transport', 'Infra', 'CBRNE', 'Other']	✔
event	text	The text denoting the type of the subject event of the alert message.	✔
responseType	text	The code denoting the type of action recommended for the target audience. ['Shelter', 'Evacuate', 'Prepare', 'Execute', 'Avoid', 'Monitor', 'Assess', 'AllClear', 'None']	✔
urgency	text	The code denoting the urgency of the subject event of the alert message. ['Immediate', 'Expected', 'Future', 'Past', 'Unknown']	✔
severity	text	The code denoting the severity of the subject event of the alert message. ['Extreme', 'Severe', 'Moderate', 'Minor', 'Unknown']	✔

Object attribute	MISP attribute type	Description	Disable correlation
certainty	text	The code denoting the certainty of the subject event of the alert message. For backward compatibility with CAP 1.0, the deprecated value of “Very Likely” SHOULD be treated as equivalent to “Likely”. ['Likely', 'Possible', 'Unlikely', 'Unknown']	✔
audience	text	The text describing the intended audience of the alert message.	✔
eventCode	text	A system-specific code identifying the event type of the alert message.	✔
effective	datetime	The effective time of the information of the alert message.	✔
onset	datetime	The expected time of the beginning of the subject event of the alert message.	✔
expires	datetime	The expiry time of the information of the alert message.	✔
senderName	text	The text naming the originator of the alert message.	✔
headline	text	The text headline of the alert message.	✔
description	text	The text describing the subject event of the alert message.	✔

Object attribute	MISP attribute type	Description	Disable correlation
instruction	text	The text describing the recommended action to be taken by recipients of the alert message.	✔
web	link	The identifier of the hyperlink associating additional information with the alert message.	✔
contact	text	The text describing the contact for follow-up and confirmation of the alert message.	✔
parameter	text	A system-specific additional parameter associated with the alert message.	✔

cap-resource

Common Alerting Protocol Version (CAP) resource object.

cap-resource is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
resourceDesc	text	The text describing the type and content of the resource file.	✔
mimeType	mime-type	The identifier of the MIME content type and sub-type describing the resource file.	✔
size	text	The integer indicating the size of the resource file.	✔

Object attribute	MISP attribute type	Description	Disable correlation
uri	link	The identifier of the hyperlink for the resource file.	-
derefUri	attachment	The base-64 encoded data content of the resource file.	✔
digest	sha1	The code representing the digital digest (“hash”) computed from the resource file (OPTIONAL).	-

coin-address

An address used in a cryptocurrency.

coin-address is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
address	btc	Bitcoin address used as a payment destination in a cryptocurrency	-
address-xmr	xmr	Monero address used as a payment destination in a cryptocurrency	-

Object attribute	MISP attribute type	Description	Disable correlation
symbol	text	The (uppercase) symbol of the cryptocurrency used. Symbol should be from https://coinmarketcap.com/all/views/all/ ['BTC', 'ETH', 'BCH', 'XRP', 'MIOTA', 'DASH', 'BTG', 'LTC', 'ADA', 'XMR', 'ETC', 'NEO', 'NEM', 'EOS', 'XLM', 'BCC', 'LSK', 'OMG', 'QTUM', 'ZEC', 'USDT', 'HSR', 'STRAT', 'WAVES', 'PPT', 'ETN']	✔
last-seen	datetime	Last time this payment destination address has been seen	✔
first-seen	datetime	First time this payment destination address has been seen	✔
text	text	Free text value	✔

cookie

An HTTP cookie (web cookie, browser cookie) is a small piece of data that a server sends to the user's web browser. The browser may store it and send it back with the next request to the same server. Typically, it's used to tell if two requests came from the same browser — keeping a user logged-in, for example. It remembers stateful information for the stateless HTTP protocol. (as defined by the Mozilla foundation..

cookie is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
cookie	cookie	Full cookie	-
cookie-name	text	Name of the cookie (if splitted)	-

Object attribute	MISP attribute type	Description	Disable correlation
cookie-value	text	Value of the cookie (if splitted)	-
text	text	A description of the cookie.	✔
type	text	Type of cookie and how it's used in this specific object. ['Session management', 'Personalization', 'Tracking', 'Exfiltration', 'Malicious Payload', 'Beaconing']	-

course-of-action

An object describing a specific measure taken to prevent or respond to an attack..

course-of-action is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
name	text	The name used to identify the course of action.	✔
type	text	The type of the course of action. ['Perimeter Blocking', 'Internal Blocking', 'Redirection', 'Redirection (Honey Pot)', 'Hardening', 'Patching', 'Eradication', 'Rebuilding', 'Training', 'Monitoring', 'Physical Access Restrictions', 'Logical Access Restrictions', 'Public Disclosure', 'Diplomatic Actions', 'Policy Actions', 'Other']	✔

Object attribute	MISP attribute type	Description	Disable correlation
description	text	A description of the course of action.	✔
objective	text	The objective of the course of action.	✔
stage	text	The stage of the threat management lifecycle that the course of action is applicable to. ['Remedy', 'Response']	✔
cost	text	The estimated cost of applying the course of action. ['High', 'Medium', 'Low', 'None', 'Unknown']	✔
impact	text	The estimated impact of applying the course of action. ['High', 'Medium', 'Low', 'None', 'Unknown']	✔
efficacy	text	The estimated efficacy of applying the course of action. ['High', 'Medium', 'Low', 'None', 'Unknown']	✔

cowrie

Cowrie honeypot object template.

cowrie is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
eventid	text	Eventid of the session in the cowrie honeypot	✔

Object attribute	MISP attribute type	Description	Disable correlation
system	text	System origin in cowrie honeypot	✔
username	text	Username related to the password(s)	-
password	text	Password	-
session	text	Session id	-
timestamp	datetime	When the event happened	✔
message	text	Message of the cowrie honeypot	✔
protocol	text	Protocol used in the cowrie honeypot	✔
sensor	text	Cowrie sensor name	✔
src_ip	ip-src	Source IP address of the session	-
dst_ip	ip-dst	Destination IP address of the session	✔
src_port	port	Source port of the session	✔
dst_port	port	Destination port of the session	✔
isError	text	isError	✔
input	text	Input of the session	-
macCS	text	SSH MAC supported in the sesssion	✔
keyAlgs	text	SSH public-key algorithm supported in the session	✔

Object attribute	MISP attribute type	Description	Disable correlation
encCS	text	SSH symmetric encryption algorithm supported in the session	✔
compCS	text	SSH compression algorithm supported in the session	✔

credential

Credential describes one or more credential(s) including password(s), api key(s) or decryption key(s)..

credential is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	A description of the credential(s)	✔
username	text	Username related to the password(s)	-
password	text	Password	-
type	text	Type of password(s) ['password', 'api-key', 'encryption-key', 'unknown']	-
origin	text	Origin of the credential(s) ['bruteforce-scanning', 'malware-analysis', 'memory-analysis', 'network-analysis', 'leak', 'unknown']	-

Object attribute	MISP attribute type	Description	Disable correlation
format	text	Format of the password(s) ['clear-text', 'hashed', 'encrypted', 'unknown']	-
notification	text	Mention of any notification(s) towards the potential owner(s) of the credential(s) ['victim-notified', 'service-notified', 'none']	-

credit-card

A payment card like credit card, debit card or any similar cards which can be used for financial transactions..

credit-card is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
version	text	Version of the card.	-
comment	comment	A description of the card.	-
card-security-code	text	Card security code (CSC, CVD, CVV, CVC and SPC) as embossed or printed on the card.	-
name	text	Name of the card owner.	-
issued	datetime	Initial date of validity or issued date.	-
expiration	datetime	Maximum date of validity	-

Object attribute	MISP attribute type	Description	Disable correlation
cc-number	cc-number	credit-card number as encoded on the card.	-

ddos

DDoS object describes a current DDoS activity from a specific or/and to a specific target. Type of DDoS can be attached to the object as a taxonomy.

ddos is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
total-bps	counter	Bits per second	-
text	text	Description of the DDoS	✔
domain-dst	domain	Destination domain (victim)	-
ip-dst	ip-dst	Destination IP (victim)	-
ip-src	ip-src	IP address originating the attack	-
dst-port	port	Destination port of the attack	-
src-port	port	Port originating the attack	-
first-seen	datetime	Beginning of the attack	✔
protocol	text	Protocol used for the attack ['TCP', 'UDP', 'ICMP', 'IP']	-
total-pps	counter	Packets per second	-
last-seen	datetime	End of the attack	✔

diameter-attack

Attack as seen on diameter authentication against a GSM, UMTS or LTE network.

diameter-attack is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
category	text	Category. ['Cat0', 'Cat1', 'Cat2', 'Cat3', 'CatSMS']	✔
ApplicationId	text	Application-ID is used to identify for which Diameter application the message is applicable. Application-ID is a decimal representation.	-
SessionId	text	Session-ID.	-
CmdCode	text	A decimal representation of the diameter Command Code.	✔
Origin-Host	text	Origin-Host.	-
Destination-Host	text	Destination-Host.	-
Origin-Realm	text	Origin-Realm.	-
Destination-Realm	text	Destination-Realm.	-
Username	text	Username (in this case, usually the IMSI).	-
IdrFlags	text	IDR-Flags.	✔
text	text	A description of the attack seen.	✔

Object attribute	MISP attribute type	Description	Disable correlation
first-seen	datetime	When the attack has been seen for the first time.	✔

domain-ip

A domain and IP address seen as a tuple in a specific time frame..

domain-ip is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	A description of the tuple	✔
last-seen	datetime	Last time the tuple has been seen	✔
first-seen	datetime	First time the tuple has been seen	✔
domain	domain	Domain name	-
ip	ip-dst	IP Address	-

elf

Object describing a Executable and Linkable Format.

elf is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
entrypoint-address	text	Address of the entry point	✔

Object attribute	MISP attribute type	Description	Disable correlation
type	text	Type of ELF ['CORE', 'DYNAMIC', 'EXECUTABLE', 'HIPROC', 'LOPROC', 'NONE', 'RELOCATABLE']	-
number-sections	counter	Number of sections	✔

Object attribute	MISP attribute type	Description	Disable correlation
arch	text	Architecture of the ELF file ['None', 'M32', 'SPARC', 'i386', 'ARCH_68K', 'ARCH_88K', 'IAMCU', 'ARCH_860', 'MIPS', 'S370', 'MIPS_RS3_LE', 'PARISC', 'VPP500', 'SPARC32PLUS', 'ARCH_960', 'PPC', 'PPC64', 'S390', 'SPU', 'V800', 'FR20', 'RH32', 'RCE', 'ARM', 'ALPHA', 'SH', 'SPARCV9', 'TRICORE', 'ARC', 'H8_300', 'H8_300H', 'H8S', 'H8_500', 'IA_64', 'MIPS_X', 'COLDFIRE', 'ARCH_68HC12', 'MMA', 'PCP', 'NCPU', 'NDR1', 'STARCORE', 'ME16', 'ST100', 'TINYJ', 'x86_64', 'PDSP', 'PDP10', 'PDP11', 'FX66', 'ST9PLUS', 'ST7', 'ARCH_68HC16', 'ARCH_68HC11', 'ARCH_68HC08', 'ARCH_68HC05', 'SVX', 'ST19', 'VAX', 'CRIS', 'JAVELIN', 'FIREPATH', 'ZSP', 'MMIX', 'HUANY', 'PRISM', 'AVR', 'FR30', 'D10V', 'D30V', 'V850', 'M32R', 'MN10300', 'MN10200', 'PJ', 'OPENRISC', 'ARC_COMPACT', 'XTENSA', 'VIDEOCORE', 'TMM_GPP', 'NS32K', 'TPC', 'SNP1K', 'ST200', 'IP2K', 'MAX', 'CR', 'F2MC16', 'MSP430', 'BLACKFIN', 'SE_C33', 'SEP', 'ARCA', 'UNICORE', 'EXCESS', 'DXP', 'ALTERA_NIOS2', 'CRX', 'XGATE', 'C166',	✔

Object attribute	MISP attribute type	Description	Disable correlation
os_abi	text	Header operating system application binary interface (ABI) ['AIX', 'ARM', 'AROS', 'C6000_ELFABI', 'C6000_LINUX', 'CLOUDABI', 'FENIXOS', 'FREEBSD', 'GNU', 'HPUX', 'HURD', 'IRIX', 'MODESTO', 'NETBSD', 'NSK', 'OPENBSD', 'OPENVMS', 'SOLARIS', 'STANDALONE', 'SYSTEMV', 'TRU64']	✔
text	text	Free text value to attach to the ELF	✔

elf-section

Object describing a section of an Executable and Linkable Format.

elf-section is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
md5	md5	[Insecure] MD5 hash (128 bits)	-
sha1	sha1	[Insecure] Secure Hash Algorithm 1 (160 bits)	-
sha224	sha224	Secure Hash Algorithm 2 (224 bits)	-
sha256	sha256	Secure Hash Algorithm 2 (256 bits)	-
sha384	sha384	Secure Hash Algorithm 2 (384 bits)	-

Object attribute	MISP attribute type	Description	Disable correlation
sha512	sha512	Secure Hash Algorithm 2 (512 bits)	-
sha512/224	sha512/224	Secure Hash Algorithm 2 (224 bits)	-
sha512/256	sha512/256	Secure Hash Algorithm 2 (256 bits)	-
ssdeep	ssdeep	Fuzzy hash using context triggered piecewise hashes (CTPH)	-
entropy	float	Entropy of the whole section	✔
name	text	Name of the section	✔
size-in-bytes	size-in-bytes	Size of the section, in bytes	✔
text	text	Free text value to attach to the section	✔

Object attribute	MISP attribute type	Description	Disable correlation
type	text	Type of the section ['NULL', 'PROGBITS', 'SYMTAB', 'STRTAB', 'RELA', 'HASH', 'DYNAMIC', 'NOTE', 'NOBITS', 'REL', 'SHLIB', 'DYNSYM', 'INIT_ARRAY', 'FINI_ARRAY', 'PREINIT_ARRAY', 'GROUP', 'SYMTAB_SHNDX', 'LOOS', 'GNU_ATTRIBUTES', 'GNU_HASH', 'GNU_VERDEF', 'GNU_VERNEED', 'GNU_VERSYM', 'HIOS', 'LOPROC', 'ARM_EXIDX', 'ARM_PREEMPTMAP', 'HEX_ORDERED', 'X86_64_UNWIND', 'MIPS_REGINFO', 'MIPS_OPTIONS', 'MIPS_ABIFLAGS', 'HIPROC', 'LOUSER', 'HIUSER']	✔

Object attribute	MISP attribute type	Description	Disable correlation
flag	text	Flag of the section ['ALLOC', 'EXCLUDE', 'EXECINSTR', 'GROUP', 'HEX_GPREL', 'INFO_LINK', 'LINK_ORDER', 'MASKOS', 'MASKPROC', 'MERGE', 'MIPS_ADDR', 'MIPS_LOCAL', 'MIPS_MERGE', 'MIPS_NAMES', 'MIPS_NODUPES', 'MIPS_NOSTRIP', 'NONE', 'OS_NONCONFORMING', 'STRINGS', 'TLS', 'WRITE', 'XCORE_SHF_CP_SECTION']	✔

email

Email object describing an email with meta-information.

email is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
reply-to	email-reply-to	Email address the reply will be sent to	-
message-id	email-message-id	Message ID	✔
to	email-dst	Destination email address	✔
cc	email-dst	Carbon copy	✔
to-display-name	email-dst-display-name	Display name of the receiver	-
subject	email-subject	Subject	-

Object attribute	MISP attribute type	Description	Disable correlation
screenshot	attachment	Screenshot of email	✔
attachment	email-attachment	Attachment	-
x-mailer	email-x-mailer	X-Mailer generally tells the program that was used to draft and send the original email	✔
header	email-header	Full headers	✔
send-date	datetime	Date the email has been sent	✔
mime-boundary	email-mime-boundary	MIME Boundary	✔
thread-index	email-thread-index	Identifies a particular conversation thread	✔
from	email-src	Sender email address	-
return-path	email-src	Message return path	-
from-display-name	email-src-display-name	Display name of the sender	-
email-body	email-body	Body of the email	✔
user-agent	text	User Agent of the sender	✔
eml	attachment	Full EML	✔

exploit-poc

Exploit-poc object describing a proof of concept or exploit of a vulnerability. This object has often a relationship with a vulnerability object..

exploit-poc is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
description	text	Description of the exploit - proof of concept	-
vulnerable_configuration	text	The vulnerable configuration described in CPE format where the exploit/proof of concept is valid	-
author	text	Author of the exploit - proof of concept	✔
references	link	External references	-
poc	attachment	Proof of Concept or exploit (as a script, binary or described process)	✔

fail2ban

Fail2ban event.

fail2ban is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
banned-ip	ip-src	IP Address banned by fail2ban	-
processing-timestamp	datetime	Timestamp of the report	✔
attack-type	text	Type of the attack	✔
failures	counter	Amount of failures that lead to the ban.	✔
sensor	text	Identifier of the sensor	✔

Object attribute	MISP attribute type	Description	Disable correlation
victim	text	Identifier of the victim	✔
logline	text	Example log line that caused the ban.	✔
logfile	attachment	Full logfile related to the attack.	✔

file

File object describing a file with meta-information.

file is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
md5	md5	[Insecure] MD5 hash (128 bits)	-
sha1	sha1	[Insecure] Secure Hash Algorithm 1 (160 bits)	-
sha224	sha224	Secure Hash Algorithm 2 (224 bits)	-
sha256	sha256	Secure Hash Algorithm 2 (256 bits)	-
sha384	sha384	Secure Hash Algorithm 2 (384 bits)	-
sha512	sha512	Secure Hash Algorithm 2 (512 bits)	-
sha512/224	sha512/224	Secure Hash Algorithm 2 (224 bits)	-
sha512/256	sha512/256	Secure Hash Algorithm 2 (256 bits)	-

Object attribute	MISP attribute type	Description	Disable correlation
ssdeep	ssdeep	Fuzzy hash using context triggered piecewise hashes (CTPH)	-
authentihash	authentihash	Authenticode executable signature hash	-
size-in-bytes	size-in-bytes	Size of the file, in bytes	✔
entropy	float	Entropy of the whole file	✔
pattern-in-file	pattern-in-file	Pattern that can be found in the file	-
text	text	Free text value to attach to the file	✔
malware-sample	malware-sample	The file itself (binary)	-
filename	filename	Filename on disk	✔
path	text	Path of the filename complete or partial	✔
tlsh	tlsh	Fuzzy hash by Trend Micro: Locality Sensitive Hash	-
certificate	x509-fingerprint-sha1	Certificate value if the binary is signed with another authentication scheme than authenticode	-
mimetype	mime-type	Mime type	✔
state	text	State of the file ['Malicious', 'Harmless', 'Signed', 'Revoked', 'Expired', 'Trusted']	✔

geolocation

An object to describe a geographic location..

geolocation is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
first-seen	datetime	When the location was seen for the first time.	✔
last-seen	datetime	When the location was seen for the last time.	✔
text	text	A generic description of the location.	✔
latitude	float	The latitude is the decimal value of the latitude in the World Geodetic System 84 (WGS84) reference.	✔
longitude	float	The longitude is the decimal value of the longitude in the World Geodetic System 84 (WGS84) reference	✔
altitude	float	The altitude is the decimal value of the altitude in the World Geodetic System 84 (WGS84) reference.	-
address	text	Address.	-
zipcode	text	Zip Code.	-
city	text	City.	-
region	text	Region.	-
country	text	Country.	-

Object attribute	MISP attribute type	Description	Disable correlation
epsg	text	EPSG Geodetic Parameter value. This is an integer value of the EPSG.	-
spacial-reference	text	Default spacial or projection refence for this object. ['WGS84 EPSG:4326', 'Mercator EPSG:3857']	✔

gtp-attack

GTP attack object as seen on a GSM, UMTS or LTE network.

gtp-attack is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
GtpServingNetwork	text	GTP Serving Network.	✔
GtpImei	text	GTP IMEI (International Mobile Equipment Identity).	-
GtpMsisdn	text	GTP MSISDN.	-
GtpImsi	text	GTP IMSI (International mobile subscriber identity).	-
GtpInterface	text	GTP interface. ['S5', 'S11', 'S10', 'S8', 'Gn', 'Gp']	✔
GtpMessageType	text	GTP defines a set of messages between two associated GSNs or an SGSN and an RNC. Message type is described as a decimal value.	✔

Object attribute	MISP attribute type	Description	Disable correlation
PortDest	text	Destination port.	✔
PortSrc	port	Source port.	✔
ipDest	ip-dst	IP destination address.	-
ipSrc	ip-src	IP source address.	-
GtpVersion	text	GTP version ['0', '1', '2']	✔
text	text	A description of the GTP attack.	✔
first-seen	datetime	When the attack has been seen for the first time.	✔

http-request

A single HTTP request header.

http-request is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	HTTP Request comment	✔
basicauth-password	text	HTTP Basic Authentication Password	-
basicauth-user	text	HTTP Basic Authentication Username	-
content-type	other	The MIME type of the body of the request	-
cookie	text	An HTTP cookie previously sent by the server with Set-Cookie	-

Object attribute	MISP attribute type	Description	Disable correlation
host	hostname	The domain name of the server	-
method	http-method	HTTP Method invoked (one of GET, POST, PUT, HEAD, DELETE, OPTIONS, CONNECT)	✔
referer	other	This is the address of the previous web page from which a link to the currently requested page was followed	-
proxy-password	text	HTTP Proxy Password	-
proxy-user	text	HTTP Proxy Username	-
uri	uri	Request URI	-
url	url	Full HTTP Request URL	-
user-agent	user-agent	The user agent string of the user agent	-

ip-port

An IP address (or domain or hostname) and a port seen as a tuple (or as a triple) in a specific time frame..

ip-port is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	Description of the tuple	✔
last-seen	datetime	Last time the tuple has been seen	✔
first-seen	datetime	First time the tuple has been seen	✔

Object attribute	MISP attribute type	Description	Disable correlation
src-port	port	Source port	-
dst-port	port	Destination port	✔
domain	domain	Domain	-
hostname	hostname	Hostname	-
ip	ip-dst	IP Address	-

ja3

JA3 is a new technique for creating SSL client fingerprints that are easy to produce and can be easily shared for threat intelligence. Fingerprints are composed of Client Hello packet; SSL Version, Accepted Ciphers, List of Extensions, Elliptic Curves, and Elliptic Curve Formats. https://github.com/salesforce/ja3.

ja3 is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
ja3-fingerprint-md5	md5	Hash identifying source	-
description	text	Type of detected software ie software, malware	-
ip-src	ip-src	Source IP Address	-
ip-dst	ip-dst	Destination IP address	-
first-seen	datetime	First seen of the SSL/TLS handshake	✔
last-seen	datetime	Last seen of the SSL/TLS handshake	✔

legal-entity

An object to describe a legal entity..

legal-entity is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	A description of the entity.	✔
name	text	Name of an entity.	-
commercial-name	text	Commercial name of an entity.	-
legal-form	text	Legal form of an entity.	-
registration-number	text	Registration number of an entity in the relevant authority.	-
business	text	Business area of an entity.	-
phone-number	phone-number	Phone number of an entity.	-

macho

Object describing a file in Mach-O format..

macho is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
entrypoint-address	text	Address of the entry point	✔
type	text	Type of Mach-O ['BUNDLE', 'CORE', 'DSYM', 'DYLIB', 'DYLIB_STUB', 'DYLINKER', 'EXECUTE', 'FVMLIB', 'KEXT_BUNDLE', 'OBJECT', 'PRELOAD']	-

Object attribute	MISP attribute type	Description	Disable correlation
number-sections	counter	Number of sections	✔
name	text	Binary's name	-
text	text	Free text value to attach to the Mach-O file	✔

macho-section

Object describing a section of a file in Mach-O format..

macho-section is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
md5	md5	[Insecure] MD5 hash (128 bits)	-
sha1	sha1	[Insecure] Secure Hash Algorithm 1 (160 bits)	-
sha224	sha224	Secure Hash Algorithm 2 (224 bits)	-
sha256	sha256	Secure Hash Algorithm 2 (256 bits)	-
sha384	sha384	Secure Hash Algorithm 2 (384 bits)	-
sha512	sha512	Secure Hash Algorithm 2 (512 bits)	-
sha512/224	sha512/224	Secure Hash Algorithm 2 (224 bits)	-
sha512/256	sha512/256	Secure Hash Algorithm 2 (256 bits)	-

Object attribute	MISP attribute type	Description	Disable correlation
ssdeep	ssdeep	Fuzzy hash using context triggered piecewise hashes (CTPH)	-
entropy	float	Entropy of the whole section	✔
name	text	Name of the section	✔
size-in-bytes	size-in-bytes	Size of the section, in bytes	✔
text	text	Free text value to attach to the section	✔

microblog

Microblog post like a Twitter tweet or a post on a Facebook wall..

microblog is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
post	text	Raw post	-
url	url	Original URL location of the microblog post	-
type	text	Type of the microblog post ['Twitter', 'Facebook', 'LinkedIn', 'Reddit', 'Google+', 'Instagram', 'Forum', 'Other']	✔
username	text	Username who posted the microblog post	-
creation-date	datetime	Initial creation of the microblog post	-

Object attribute	MISP attribute type	Description	Disable correlation
modification-date	datetime	Last update of the microblog post	-
link	url	Link into the microblog post	-
removal-date	datetime	When the microblog post was removed	-
username-quoted	text	Username who are quoted into the microblog post	-

mutex

Object to describe mutual exclusion locks (mutex) as seen in memory or computer program.

mutex is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
description	text	Description	-
operating-system	text	Operating system where the mutex has been seen ['Windows', 'Unix']	-
name	text	name of the mutex	-

netflow

Netflow object describes an network object based on the Netflowv5/v9 minimal definition.

netflow is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
ip-dst	ip-dst	IP address destination of the netflow	-

Object attribute	MISP attribute type	Description	Disable correlation
ip-src	ip-src	IP address source of the netflow	-
dst-port	port	Destination port of the netflow	-
src-port	port	Source port of the netflow	-
tcp-flags	text	TCP flags of the flow	✔
icmp-type	text	ICMP type of the flow (if the traffic is ICMP)	✔
ip-protocol-number	size-in-bytes	IP protocol number of this flow	✔
protocol	text	Protocol used for this flow ['TCP', 'UDP', 'ICMP', 'IP']	-
src-as	AS	Source AS number for this flow	-
dst-as	AS	Destination AS number for this flow	-
ip_version	counter	IP version of this flow	✔
direction	text	Direction of this flow ['Ingress', 'Egress']	✔
flow-count	counter	Flows counted in this flow	✔
packet-count	counter	Packets counted in this flow	✔
byte-count	counter	Bytes counted in this flow	✔
first-packet-seen	datetime	First packet seen in this flow	-

Object attribute	MISP attribute type	Description	Disable correlation
last-packet-seen	datetime	Last packet seen in this flow	-

network-connection

A local or remote network connection..

network-connection is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
ip-src	ip-src	Source IP address of the nework connection.	-
ip-dst	ip-dst	Destination IP address of the nework connection.	-
src-port	port	Source port of the nework connection.	-
dst-port	port	Destination port of the nework connection.	-
hostname-src	hostname	Source hostname of the network connection.	-
hostname-dst	hostname	Destination hostname of the network connection.	-
layer3-protocol	text	Layer 3 protocol of the network connection. ['IP', 'ICMP', 'ARP']	-
layer4-protocol	text	Layer 4 protocol of the network connection. ['TCP', 'UDP']	-

Object attribute	MISP attribute type	Description	Disable correlation
layer7-protocol	text	Layer 7 protocol of the network connection. ['HTTP', 'HTTPS', 'FTP']	-
first-packet-seen	datetime	Datetime of the first packet seen.	-

network-socket

Network socket object describes a local or remote network connections based on the socket data structure..

network-socket is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
ip-src	ip-src	Source (local) IP address of the network socket connection.	-
hostname-src	hostname	Source (local) hostname of the network socket connection.	-
ip-dst	ip-dst	Destination IP address of the network socket connection.	-
hostname-dst	hostname	Destination hostname of the network socket connection.	-
src-port	port	Source (local) port of the network socket connection.	-
dst-port	port	Destination port of the network socket connection.	-

Object attribute	MISP attribute type	Description	Disable correlation
protocol	text	Protocol used by the network socket. ['TCP', 'UDP', 'ICMP', 'IP']	-
address-family	text	Address family who specifies the address family type (AF_*) of the socket connection. ['AF_UNSPEC', 'AF_LOCAL', 'AF_UNIX', 'AF_FILE', 'AF_INET', 'AF_AX25', 'AF_IPX', 'AF_APPLETALK', 'AF_NETROM', 'AF_BRIDGE', 'AF_ATMPVC', 'AF_X25', 'AF_INET6', 'AF_ROSE', 'AF_DECnet', 'AF_NETBEUI', 'AF_SECURITY', 'AF_KEY', 'AF_NETLINK', 'AF_ROUTE', 'AF_PACKET', 'AF_ASH', 'AF_ECONET', 'AF_ATMSVC', 'AF_RDS', 'AF_SNA', 'AF_IRDA', 'AF_PPPOX', 'AF_WANPIPE', 'AF_LLC', 'AF_IB', 'AF_MPLS', 'AF_CAN', 'AF_TIPC', 'AF_BLUETOOTH', 'AF_IUCV', 'AF_RXRPC', 'AF_ISDN', 'AF_PHONET', 'AF_IEEE802154', 'AF_CAIF', 'AF_ALG', 'AF_NFC', 'AF_VSOCK', 'AF_KCM', 'AF_MAX']	-

Object attribute	MISP attribute type	Description	Disable correlation
domain-family	text	Domain family who specifies the communication domain (PF_*) of the socket connection. ['PF_UNSPEC', 'PF_LOCAL', 'PF_UNIX', 'PF_FILE', 'PF_INET', 'PF_AX25', 'PF_IPX', 'PF_APPLETALK', 'PF_NETROM', 'PF_BRIDGE', 'PF_ATMPVC', 'PF_X25', 'PF_INET6', 'PF_ROSE', 'PF_DECnet', 'PF_NETBEUI', 'PF_SECURITY', 'PF_KEY', 'PF_NETLINK', 'PF_ROUTE', 'PF_PACKET', 'PF_ASH', 'PF_ECONET', 'PF_ATMSVC', 'PF_RDS', 'PF_SNA', 'PF_IRDA', 'PF_PPPOX', 'PF_WANPIPE', 'PF_LLC', 'PF_IB', 'PF_MPLS', 'PF_CAN', 'PF_TIPC', 'PF_BLUETOOTH', 'PF_IUCV', 'PF_RXRPC', 'PF_ISDN', 'PF_PHONET', 'PF_IEEE802154', 'PF_CAIF', 'PF_ALG', 'PF_NFC', 'PF_VSOCK', 'PF_KCM', 'PF_MAX']	-
state	text	State of the socket connection. ['blocking', 'listening']	-
option	text	Option on the socket connection.	-

passive-dns

Passive DNS records as expressed in draft-dulaunoy-dnsop-passive-dns-cof-01.

passive-dns is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
zone_time_last	datetime	Last time that the unique tuple (rrname, rrtype, rdata) record has been seen via master file import.	✔
text	text	Description of the passive DNS record.	✔
count	counter	How many authoritative DNS answers were received at the Passive DNS Server's collectors with exactly the given set of values as answers.	✔
rrname	text	Resource Record name of the queried resource.	-
rrtype	text	Resource Record type as seen by the passive DNS. ['A', 'AAAA', 'CNAME', 'PTR', 'SOA', 'TXT', 'DNAME', 'NS', 'SRV', 'RP', 'NAPTR', 'HINFO', 'A6']	✔
rdata	text	Resource records of the queried resource	-
zone_time_first	datetime	First time that the unique tuple (rrname, rrtype, rdata) record has been seen via master file import	✔

Object attribute	MISP attribute type	Description	Disable correlation
origin	text	Origin of the Passive DNS response	✔
time_last	datetime	Last time that the unique tuple (rrname, rrtype, rdata) record has been seen by the passive DNS	✔
time_first	datetime	First time that the unique tuple (rrname, rrtype, rdata) has been seen by the passive DNS	✔
bailiwick	text	Best estimate of the apex of the zone where this data is authoritative	✔
sensor_id	text	Sensor information where the record was seen	✔

paste

Paste or similar post from a website allowing to share privately or publicly posts..

paste is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
paste	text	Raw text of the paste or post	-

Object attribute	MISP attribute type	Description	Disable correlation
origin	text	Original source of the paste or post. ['pastebin.com', 'pastebin.com_pro', 'pastie.org', 'slexy.org', 'gist.github.com', 'codepad.org', 'safebin.net', 'hastebin.com', 'ghostbin.com']	✔
title	text	Title of the paste or post.	-
username	text	User who posted the post.	-
url	url	Link to the original source of the paste or post.	-
last-seen	datetime	When the paste has been accessible or seen for the last time.	✔
first-seen	datetime	When the paste has been accessible or seen for the first time.	✔

pe

Object describing a Portable Executable.

pe is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
pehash	pehash	Hash of the structural information about a sample. See https://www.usenix.org/legacy/event/leet09/tech/full_papers/wicherski/wicherski_html/	-
impfuzzy	impfuzzy	Fuzzy Hash (ssdeep) calculated from the import table	-
internal-filename	filename	InternalFilename in the resources	✔
original-filename	filename	OriginalFilename in the resources	✔
number-sections	counter	Number of sections	✔
text	text	Free text value to attach to the PE	✔
type	text	Type of PE ['exe', 'dll', 'driver', 'unknown']	✔
imphash	imphash	Hash (md5) calculated from the import table	-
compilation-timestamp	datetime	Compilation timestamp defined in the PE header	-
entrypoint-section-at-position	text	Name of the section and position of the section in the PE	✔
entrypoint-address	text	Address of the entry point	✔
file-description	text	FileDescription in the resources	✔

Object attribute	MISP attribute type	Description	Disable correlation
file-version	text	FileVersion in the resources	✔
lang-id	text	Lang ID in the resources	✔
product-name	text	ProductName in the resources	✔
product-version	text	ProductVersion in the resources	✔
company-name	text	CompanyName in the resources	✔
legal-copyright	text	LegalCopyright in the resources	✔

pe-section

Object describing a section of a Portable Executable.

pe-section is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
md5	md5	[Insecure] MD5 hash (128 bits)	-
sha1	sha1	[Insecure] Secure Hash Algorithm 1 (160 bits)	-
sha224	sha224	Secure Hash Algorithm 2 (224 bits)	-
sha256	sha256	Secure Hash Algorithm 2 (256 bits)	-
sha384	sha384	Secure Hash Algorithm 2 (384 bits)	-

Object attribute	MISP attribute type	Description	Disable correlation
sha512	sha512	Secure Hash Algorithm 2 (512 bits)	-
sha512/224	sha512/224	Secure Hash Algorithm 2 (224 bits)	-
sha512/256	sha512/256	Secure Hash Algorithm 2 (256 bits)	-
ssdeep	ssdeep	Fuzzy hash using context triggered piecewise hashes (CTPH)	-
entropy	float	Entropy of the whole section	✔
name	text	Name of the section ['.rsrc', '.reloc', '.rdata', '.data', '.text']	✔
size-in-bytes	size-in-bytes	Size of the section, in bytes	✔
text	text	Free text value to attach to the section	✔
characteristic	text	Characteristic of the section ['read', 'write', 'executable']	-

person

An object which describes a person or an identity..

person is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	A description of the person or identity.	✔

Object attribute	MISP attribute type	Description	Disable correlation
last-name	last-name	Last name of a natural person.	-
middle-name	middle-name	Middle name of a natural person.	-
first-name	first-name	First name of a natural person.	✔
mothers-name	text	Mother name, father, second name or other names following country's regulation.	-
title	text	Title of the natural person such as Dr. or equivalent.	✔
alias	text	Alias name or known as.	-
date-of-birth	date-of-birth	Date of birth of a natural person (in YYYY-MM-DD format).	-
place-of-birth	place-of-birth	Place of birth of a natural person.	✔
gender	gender	The gender of a natural person. ['Male', 'Female', 'Other', 'Prefer not to say']	✔
identity-card-number	identity-card-number	The identity card number of a natural person.	-
passport-number	passport-number	The passport number of a natural person.	-
passport-country	passport-country	The country in which the passport was issued.	✔

Object attribute	MISP attribute type	Description	Disable correlation
passport-expiration	passport-expiration	The expiration date of a passport.	✔
redress-number	redress-number	The Redress Control Number is the record identifier for people who apply for redress through the DHS Travel Redress Inquiry Program (DHS TRIP). DHS TRIP is for travelers who have been repeatedly identified for additional screening and who want to file an inquiry to have erroneous information corrected in DHS systems.	-
social-security-number	text	Social security number	-
nationality	nationality	The nationality of a natural person.	✔

phone

A phone or mobile phone object which describe a phone..

phone is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
imei	text	International Mobile Equipment Identity (IMEI) is a number, usually unique, to identify 3GPP and iDEN mobile phones, as well as some satellite phones.	-

Object attribute	MISP attribute type	Description	Disable correlation
imsi	text	A usually unique International Mobile Subscriber Identity (IMSI) is allocated to each mobile subscriber in the GSM/UMTS/EPS system. IMSI can also refer to International Mobile Station Identity in the ITU nomenclature.	-
msisdn	text	MSISDN (pronounced as /'em es ai es di en/ or misden) is a number uniquely identifying a subscription in a GSM or a UMTS mobile network. Simply put, it is the mapping of the telephone number to the SIM card in a mobile/cellular phone. This abbreviation has a several interpretations, the most common one being Mobile Station International Subscriber Directory Number.	-
tmsi	text	Temporary Mobile Subscriber Identities (TMSI) to visiting mobile subscribers can be allocated.	-
gummei	text	Globally Unique MME Identifier (GUMMEI) is composed from MCC, MNC and MME Identifier (MMEI).	-

Object attribute	MISP attribute type	Description	Disable correlation
guti	text	Globally Unique Temporary UE Identity (GUTI) is a temporary identification to not reveal the phone (user equipment in 3GPP jargon) composed of GUMMEI and the M-TMSI.	-
serial-number	text	Serial Number.	-
text	text	A description of the phone.	✔
last-seen	datetime	When the phone has been accessible or seen for the last time.	✔
first-seen	datetime	When the phone has been accessible or seen for the first time.	✔

process

Object describing a system process..

process is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
creation-time	datetime	Local date/time at which the process was created.	✔
start-time	datetime	Local date/time at which the process was started.	✔
name	text	Name of the process	-

Object attribute	MISP attribute type	Description	Disable correlation
pid	text	Process ID of the process.	-
parent-pid	text	Process ID of the parent process.	-
child-pid	text	Process ID of the child(ren) process.	-
port	src-port	Port(s) owned by the process.	-

r2graphity

Indicators extracted from files using radare2 and graphml.

r2graphity is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
callback-average	counter	Average size of a callback	✔
callbacks	counter	Amount of callbacks (functions started as thread)	✔
shortest-path-to-create-thread	counter	Shortest path to the first time the binary calls CreateThread	✔
create-thread	counter	Amount of calls to CreateThread	✔
memory-allocations	counter	Amount of memory allocations	✔
get-proc-address	counter	Amount of calls to GetProcAddress	✔

Object attribute	MISP attribute type	Description	Disable correlation
dangling-strings	counter	Amount of dangling strings (string with a code cross reference, that is not within a function. Radare2 failed to detect that function.)	✔
referenced-strings	counter	Amount of referenced strings	✔
callback-largest	counter	Largest callback	✔
gml	attachment	Graph export in G>raph Modelling Language format	✔
r2-commit-version	text	Radare2 commit ID used to generate this object	✔
text	text	Description of the r2graphity object	✔
miss-api	counter	Amount of API call reference that does not resolve to a function offset	✔
total-api	counter	Total amount of API calls	✔
unknown-references	counter	Amount of API calls not ending in a function (Radare2 bug, probalby)	✔
refsglobalvar	counter	Amount of API calls outside of code section (glob var, dynamic API)	✔
local-references	counter	Amount of API calls inside a code section	✔

Object attribute	MISP attribute type	Description	Disable correlation
total-functions	counter	Total amount of functions in the file.	✔
not-referenced-strings	counter	Amount of not referenced strings	✔
ratio-functions	float	Ratio: amount of functions per kilobyte of code section	✔
ratio-api	float	Ratio: amount of API calls per kilobyte of code section	✔
ratio-string	float	Ratio: amount of referenced strings per kilobyte of code section	✔

regexp

An object describing a regular expression (regex or regexp). The object can be linked via a relationship to other attributes or objects to describe how it can be represented as a regular expression..

regexp is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
comment	comment	A description of the regular expression.	-
regexp-type	text	Type of the regular expression syntax. ['PCRE', 'PCRE2', 'POSIX BRE', 'POSIX ERE']	✔
regexp	text	regexp	-

Object attribute	MISP attribute type	Description	Disable correlation
type	text	Specify which type corresponds to this regex. ['hostname', 'domain', 'email-src', 'email-dst', 'email-subject', 'url', 'user-agent', 'regkey', 'cookie', 'uri', 'filename', 'windows-service-name', 'windows-scheduled-task']	✔

registry-key

Registry key object describing a Windows registry key with value and last-modified timestamp.

registry-key is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
last-modified	datetime	Last time the registry key has been modified	-
data-type	text	Registry value type ['REG_NONE', 'REG_SZ', 'REG_EXPAND_SZ', 'REG_BINARY', 'REG_DWORD', 'REG_DWORD_LITTLE_ENDIAN', 'REG_DWORD_BIG_ENDIAN', 'REG_LINK', 'REG_MULTI_SZ', 'REG_RESOURCE_LIST', 'REG_FULL_RESOURCE_DESCRIPTOR', 'REG_RESOURCE_REQUIREMENTS_LIST', 'REG_QWORD', 'REG_QWORD_LITTLE_ENDIAN']	✔

Object attribute	MISP attribute type	Description	Disable correlation
data	text	Data stored in the registry key	-
name	text	Name of the registry key	-
key	regkey	Full key path	-
hive	text	Hive used to store the registry key (file on disk)	✔
root-keys	text	Root key of the Windows registry (extracted from the key) ['HKCC', 'HKCR', 'HKCU', 'HKDD', 'HKEY_CLASSES_ROOT', 'HKEY_CURRENT_CONFIG', 'HKEY_CURRENT_USER', 'HKEY_DYN_DATA', 'HKEY_LOCAL_MACHINE', 'HKEY_PERFORMANCE_DATA', 'HKEY_USERS', 'HKLM', 'HKPD', 'HKU']	✔

report

Metadata used to generate an executive level report.

report is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
summary	text	Free text summary of the report	-
case-number	text	Case number	-

rtir

RTIR - Request Tracker for Incident Response.

rtir is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
classification	text	Classification of the RTIR ticket	-
ip	ip-dst	IPs automatically extracted from the RTIR ticket	-
constituency	text	Constituency of the RTIR ticket	-
queue	text	Queue of the RTIR ticket ['incident', 'investigations', 'blocks', 'incident reports']	-
subject	text	Subject of the RTIR ticket	-
status	text	Status of the RTIR ticket ['new', 'open', 'stalled', 'resolved', 'rejected', 'deleted']	-
ticket-number	text	ticket-number of the RTIR ticket	-

sandbox-report

Sandbox report.

sandbox-report is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
permalink	link	Permalink reference	-
score	text	Score	✔
results	text	Freetext result values	✔
raw-report	text	Raw report from sandbox	✔
sandbox-type	text	The type of sandbox used ['on-premise', 'web', 'saas']	✔
on-premise-sandbox	text	The on-premise sandbox used ['cuckoo', 'symantec-cas-on-premise', 'bluecoat-maa', 'trendmicro-deep-discovery-analyzer', 'fireeye-ax', 'vmray', 'joe-sandbox-on-premise']	✔
web-sandbox	text	A web sandbox where results are publicly available via an URL ['malwr', 'hybrid-analysis']	✔
saas-sandbox	text	A non-on-premise sandbox, also results are not publicly available ['forticloud-sandbox', 'joe-sandbox-cloud', 'symantec-cas-cloud']	✔

sb-signature

Sandbox detection signature.

sb-signature is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
software	text	Name of Sandbox software	✔
signature	text	Name of detection signature - set the description of the detection signature as a comment	-
text	text	Additional signature description	✔
datetime	datetime	Datetime	✔

script

Object describing a computer program written to be run in a special run-time environment. The script or shell script can be used for malicious activities but also as support tools for threat analysts..

script is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
script	text	Free text of the script.	-
comment	text	Comment associated to the script.	-
language	text	Scripting language used for the script. ['PowerShell', 'VBScript', 'Bash', 'Lua', 'JavaScript', 'AppleScript', 'AWK', 'Python', 'Perl', 'Ruby', 'Winbatch', 'AutoIt']	✔
filename	filename	Filename used for the script.	✔

Object attribute	MISP attribute type	Description	Disable correlation
state	text	Known state of the script. ['Malicious', 'Unknown', 'Harmless', 'Trusted']	✔

short-message-service

Short Message Service (SMS) object template describing one or more SMS message. Restriction of the initial format 3GPP 23.038 GSM character set doesn't apply..

short-message-service is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
body	text	Message body of the SMS	-
url-rfc5724	url	url representing SMS using RFC 5724 (not url contained in the SMS which should use an url object)	-
from	phone-number	Phone number used to send the SMS	-
to	phone-number	Phone number receiving the SMS	-
sent-date	datetime	Initial sent date of the SMS	✔
received-date	datetime	Received date of the SMS	✔

shortened-link

Shortened link and its redirect target.

shortened-link is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
first-seen	datetime	First time this shortened URL has been seen	✔
redirect-url	url	Redirected to URL	-
shortened-url	url	Shortened URL	-
domain	domain	Full domain	-
credential	text	Credential (username, password)	-
text	text	Description and context of the shortened URL	-

ss7-attack

SS7 object of an attack seen on a GSM, UMTS or LTE network via SS7 logging..

ss7-attack is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
Category	text	Category ['Cat0', 'Cat1', 'Cat2.1', 'Cat2.2', 'Cat3.1', 'Cat3.2', 'Cat3.3', 'CatSMS', 'CatSpoofing']	✔
MapVersion	text	Map version. ['1', '2', '3']	✔
SccpCgGT	text	Signaling Connection Control Part (SCCP) CgGT - Phone number.	-
SccpCdGT	text	Signaling Connection Control Part (SCCP) CdGT - Phone number.	-

Object attribute	MISP attribute type	Description	Disable correlation
SccpCgPC	text	Signaling Connection Control Part (SCCP) CgPC - Phone number.	✖
SccpCdPC	text	Signaling Connection Control Part (SCCP) CdPC - Phone number.	✖
SccpCgSSN	text	Signaling Connection Control Part (SCCP) - Decimal value between 0-255.	✔
SccpCdSSN	text	Signaling Connection Control Part (SCCP) - Decimal value between 0-255.	✔
MapOpCode	text	MAP operation codes - Decimal value between 0-99.	✔
MapApplicationContext	text	MAP application context in OID format.	✔
MapImsi	text	MAP IMSI. Phone number starting with MCC/MNC.	✖
MapMsisdn	text	MAP MSISDN. Phone number.	✖
MapMscGT	text	MAP MSC GT. Phone number.	✖
MapGsmscfGT	text	MAP GSMSCF GT. Phone number.	✖
MapVlrGT	text	MAP VLR GT. Phone number.	✖
MapGmlc	text	MAP GMLC. Phone number.	✖

Object attribute	MISP attribute type	Description	Disable correlation
MapSmscGT	text	MAP SMSC. Phone number.	-
MapSmsTP-OA	text	MAP SMS TP-OA. Phone number.	-
MapSmsText	text	MAP SMS Text. Important indicators in SMS text.	-
MapSmsTP-PID	text	MAP SMS TP-PID.	✔
MapSmsTP-DCS	text	MAP SMS TP-DCS.	✔
MapSmsTypeNumber	text	MAP SMS TypeNumber.	✔
MapUssdContent	text	MAP USSD Content.	-
MapUssdCoding	text	MAP USSD Content.	✔
text	text	A description of the attack seen via SS7 logging.	✔
first-seen	datetime	When the attack has been seen for the first time.	✔

stix2-pattern

An object describing a STIX pattern. The object can be linked via a relationship to other attributes or objects to describe how it can be represented as a STIX pattern..

stix2-pattern is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
comment	comment	A description of the stix2-pattern.	-
stix2-pattern	stix2-pattern	STIX 2 pattern	-

Object attribute	MISP attribute type	Description	Disable correlation
version	text	Version of STIX 2 pattern. ['stix 2.0']	-

suricata

An object describing one or more Suricata rule(s) along with version and contextual information..

suricata is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
comment	comment	A description of the Suricata rule(s).	-
suricata	snort	Suricata rule.	-
version	text	Version of the Suricata rule depending where the suricata rule is known to work as expected.	-
ref	link	Reference to the Suricata rule such as origin of the rule or alike.	-

target-system

Description about an targeted system, this could potentially be a compromissed internal system.

target-system is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
targeted_machine	target-machine	Targeted system	✔
targeted_ip_of_system	ip-src	Targeted system IP address	✔

Object attribute	MISP attribute type	Description	Disable correlation
timestamp_seen	datetime	Registered date and time	✔

threatgrid-report

ThreatGrid report.

threatgrid-report is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
threat_score	text	threat_score	✔
heuristic_raw_score	text	heuristic_raw_score	✔
heuristic_score	text	heuristic_score	-
analysis_submitted_at	text	Submission date	-
original_filename	text	Original filename	-
permalink	text	permalink	-
id	text	ThreatGrid ID	-
iocs	text	iocs	-

timecode

Timecode object to describe a start of video sequence (e.g. CCTV evidence) and the end of the video sequence..

timecode is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
description	text	Description of the video sequence	-

Object attribute	MISP attribute type	Description	Disable correlation
start-marker-timecode	text	Start marker timecode in the format hh:mm:ss;ff	-
end-marker-timecode	text	End marker timecode in the format hh:mm:ss;ff	-
start-timecode	text	Start marker timecode in the format hh:mm:ss.mms	-
end-timecode	text	End marker timecode in the format hh:mm:ss.mms	-
recording-date	datetime	Date of recording of the video sequence	-

timesketch-timeline

A timesketch timeline object based on mandatory field in timesketch to describe a log entry..

timesketch-timeline is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
message	text	Informative message of the event	-
timestamp	timestamp-microsec	When the log entry was seen in microseconds since Unix epoch	-
timestamp_desc	text	Text explaining what type of timestamp is it	-
datetime	datetime	When the log entry was seen	-

timestamp

A generic timestamp object to represent time including first time and last time seen. Relationship will then define the kind of time relationship..

timestamp is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	Description of the time object.	✔
precision	text	Timestamp precision represents the precision given to first_seen and/or last_seen in this object. ['year', 'month', 'day', 'hour', 'minute', 'full']	✔
first-seen	datetime	First time that the linked object or attribute has been seen.	✔
last-seen	datetime	First time that the linked object or attribute has been seen.	✔

tor-node

Tor node (which protects your privacy on the internet by hiding the connection between users Internet address and the services used by the users) description which are part of the Tor network at a time..

tor-node is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
description	text	Tor node description.	✔
nickname	text	router's nickname.	-

Object attribute	MISP attribute type	Description	Disable correlation
fingerprint	text	router's fingerprint.	-
text	text	Tor node comment.	✔
address	ip-src	IP address of the Tor node seen.	-
flags	text	list of flag associated with the node.	-
version	text	parsed version of tor, this is None if the relay's using a new versioning scheme.	-
version_line	text	versioning information reported by the node.	-
published	datetime	router's publication time. This can be different from first-seen and last-seen.	✔
last-seen	datetime	When the Tor node designed by the IP address has been seen for the last time.	✔
first-seen	datetime	When the Tor node designed by the IP address has been seen for the first time.	✔
document	text	Raw document from the consensus.	✔

transaction

An object to describe a financial transaction..

transaction is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	A description of the transaction.	✔
transaction-number	text	A unique number identifying a transaction.	-
location	text	Location where the transaction took place.	-
transmode-code	text	How the transaction was conducted.	-
transmode-comment	text	Comment describing transmode-code, if needed.	-
teller	text	Person who conducted the transaction.	-
authorized	text	Person who autorized the transaction.	-
date	datetime	Date and time of the transaction.	-
amount	text	The value of the transaction in local currency.	-
date-posting	datetime	Date of posting, if different from date of transaction.	-

Object attribute	MISP attribute type	Description	Disable correlation
from-funds-code	text	Type of funds used to initiate a transaction. ['A Deposit', 'C Currency exchange', 'D Casino chips', 'E Bank draft', 'F Money order', 'G Traveler's cheques', 'H Life insurance policy', 'I Real estate', 'J Securities', 'K Cash', 'O Other', 'P Cheque']	✔
to-funds-code	text	Type of funds used to finalize a transaction. ['A Deposit', 'C Currency exchange', 'D Casino chips', 'E Bank draft', 'F Money order', 'G Traveler's cheques', 'H Life insurance policy', 'I Real estate', 'J Securities', 'K Cash', 'O Other', 'P Cheque']	✔
from-country	text	Origin country of a transaction.	-
to-country	text	Target country of a transaction.	-

url

url object describes an url along with its normalized field (like extracted using faup parsing library) and its metadata..

url is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
fragment	text	Fragment identifier is a short string of characters that refers to a resource that is subordinate to another, primary resource.	-
tld	text	Top-Level Domain	✔
port	port	Port number	✔
scheme	text	Scheme ['http', 'https', 'ftp', 'gopher', 'sip']	✔
first-seen	datetime	First time this URL has been seen	✔
resource_path	text	Path (between hostname:port and query)	-
query_string	text	Query (after path, preceded by '?')	-
url	url	Full URL	-
domain_without_tld	text	Domain without Top-Level Domain	-
domain	domain	Full domain	-
subdomain	text	Subdomain	✔
credential	text	Credential (username, password)	-
text	text	Description of the URL	-
last-seen	datetime	Last time this URL has been seen	✔
host	hostname	Full hostname	-

victim

Victim object describes the target of an attack or abuse..

victim is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
description	text	Description of the victim	-
name	target-org	The name of the department(s) or organisation(s) targeted.	-
external	target-external	External target organisations affected by this attack.	-
classification	text	The type of entity being targeted. ['individual', 'group', 'organization', 'class', 'unknown']	✔
roles	text	The list of roles targeted within the victim.	-

Object attribute	MISP attribute type	Description	Disable correlation
sectors	text	The list of sectors that the victim belong to ['agriculture', 'aerospace', 'automotive', 'communications', 'construction', 'defence', 'education', 'energy', 'engineering', 'entertainment', 'financial services', 'government national', 'government regional', 'government local', 'government public services', 'healthcare', 'hospitality leisure', 'infrastructure', 'insurance', 'manufacturing', 'mining', 'non profit', 'pharmaceuticals', 'retail', 'technology', 'telecommunications', 'transportation', 'utilities']	-
regions	target-location	The list of regions or locations from the victim targeted. ISO 3166 should be used.	-
user	target-user	The username(s) of the user targeted.	-
email	target-email	The email address(es) of the user targeted.	-
node	target-machine	Name(s) of node that was targeted.	-
ip-address	ip-dst	IP address(es) of the node targeted.	-

virustotal-report

VirusTotal report.

virustotal-report is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
community-score	text	Community Score	✔
detection-ratio	text	Detection Ratio	✔
first-submission	datetime	First Submission	-
last-submission	datetime	Last Submission	-
permalink	link	Permalink Reference	-
comment	text	Comment related to this hash	-

vulnerability

Vulnerability object describing a common vulnerability enumeration which can describe published, unpublished, under review or embargo vulnerability for software, equipments or hardware..

vulnerability is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
id	text	Vulnerability ID (generally CVE, but not necessarely). The id is not required as the object itself has an UUID and the CVE id can be update or assigned later.	-
description	text	Description of the vulnerability	-

Object attribute	MISP attribute type	Description	Disable correlation
summary	text	Summary of the vulnerability	-
vulnerable_configuration	text	The vulnerable configuration is described in CPE format	-
modified	datetime	Last modification date	✔
published	datetime	Initial publication date	✔
created	datetime	First time when the vulnerability was discovered	✔
references	link	External references	-
state	text	State of the vulnerability. A vulnerability can have multiple states depending of the current actions performed. ['Published', 'Embargo', 'Reviewed', 'Vulnerability ID Assigned', 'Reported', 'Fixed']	✔
cvss-score	float	Score of the Common Vulnerability Scoring System (version 3).	✔
cvss-string	text	String of the Common Vulnerability Scoring System (version 3).	✔
credit	text	Who reported/found the vulnerability such as an organisation, person or nickname.	✔

whois

Whois records information for a domain name or an IP address..

whois is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
text	text	Full whois entry	✔
registrar	whois-registrar	Registrar of the whois entry	-
registrant-name	whois-registrant-name	Registrant name	-
registrant-phone	whois-registrant-phone	Registrant phone number	-
registrant-email	whois-registrant-email	Registrant email address	-
registrant-org	whois-registrant-org	Registrant organisation	-
creation-date	datetime	Initial creation of the whois entry	✔
modification-date	datetime	Last update of the whois entry	✔
expiration-date	datetime	Expiration of the whois entry	✔
nameserver	hostname	Nameserver	✔
domain	domain	Domain of the whois entry	-
comment	text	Comment of the whois entry	-
ip-address	ip-src	IP address of the whois entry	-

x509

x509 object describing a X.509 certificate.

x509 is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
subject	text	Subject of the certificate	-
pubkey-info-algorithm	text	Algorithm of the public key	-
pubkey-info-size	text	Length of the public key (in bits)	-
pubkey-info-exponent	text	Exponent of the public key	-
pubkey-info-modulus	text	Modulus of the public key	-
x509-fingerprint-md5	x509-fingerprint-md5	[Insecure] MD5 hash (128 bits)	-
x509-fingerprint-sha1	x509-fingerprint-sha1	[Insecure] Secure Hash Algorithm 1 (160 bits)	-
x509-fingerprint-sha256	x509-fingerprint-sha256	Secure Hash Algorithm 2 (256 bits)	-
raw-base64	text	Raw certificate base64 encoded (DER format)	-
pem	text	Raw certificate in PEM formati (Unix-like newlines)	-
text	text	Free text description of hte certificate	-
validity-not-before	datetime	Certificate invalid before that date	-

Object attribute	MISP attribute type	Description	Disable correlation
validity-not-after	datetime	Certificate invalid after that date	-
issuer	text	Issuer of the certificate	-
serial-number	text	Serial number of the certificate	-
version	text	Version of the certificate	-
self_signed	boolean	Self-signed certificate	-
is_ca	boolean	CA certificate	-
dns_names	text	DNS names	-

yabin

yabin.py generates Yara rules from function prologs, for matching and hunting binaries. ref: https://github.com/AlienVault-OTX/yabin.

yabin is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
version	comment	yabin.py and regex.txt version used for the generation of the yara rules.	-
comment	comment	A description of Yara rule generated.	-
whitelist	comment	Whitelist name used to generate the rules.	-
yara-hunt	yara	Wide yara rule generated from -yh.	✔
yara	yara	Yara rule generated from -y.	✔

yara

An object describing a YARA rule along with its version..

yara is a MISP object available in JSON format at **this location** The JSON format can be freely reused in your application or automatically enabled in MISP.

Object attribute	MISP attribute type	Description	Disable correlation
comment	comment	A description of the YARA rule.	-
yara	yara	YARA rule.	-
version	text	Version of the YARA rule depending where the yara rule is known to work as expected. ['3.7.1']	-
context	text	Context where the YARA rule can be applied ['all', 'disk', 'memory', 'network']	-

Relationships

Default type of relationships in MISP objects.

Relationships are part of MISP object and available in JSON format at this location. The JSON format can be freely reused in your application or automatically enabled in MISP.

Name of relationship	Description	Format
derived-from	The information in the target object is based on information from the source object.	['misp', 'stix-2.0']
duplicate-of	The referenced source and target objects are semantically duplicates of each other.	['misp', 'stix-2.0']
related-to	The referenced source is related to the target object.	['misp', 'stix-2.0']
connected-to	The referenced source is connected to the target object.	['misp', 'stix-1.1']

Name of relationship	Description	Format
connected-from	The referenced source is connected from the target object.	['misp', 'stix-1.1']
contains	The referenced source is containing the target object.	['misp', 'stix-1.1']
contained-by	The referenced source is contained by the target object.	['misp', 'stix-1.1']
contained-within	The referenced source is contained within the target object.	['misp', 'stix-1.1']
characterized-by	The referenced source is characterized by the target object.	['misp', 'stix-1.1']
characterizes	The referenced source is characterizing the target object.	['misp', 'stix-1.1']
properties-queried	The referenced source has queried the target object.	['misp', 'stix-1.1']
properties-queried-by	The referenced source is queried by the target object.	['misp', 'stix-1.1']
extracted-from	The referenced source is extracted from the target object.	['misp', 'stix-1.1']
supra-domain-of	The referenced source is a supra domain of the target object.	['misp', 'stix-1.1']
sub-domain-of	The referenced source is a sub domain of the target object.	['misp', 'stix-1.1']
dropped	The referenced source has dropped the target object.	['misp', 'stix-1.1']
dropped-by	The referenced source is dropped by the target object.	['misp', 'stix-1.1']
downloaded	The referenced source has downloaded the target object.	['misp', 'stix-1.1']
downloaded-from	The referenced source has been downloaded from the target object.	['misp', 'stix-1.1']
resolved-to	The referenced source is resolved to the target object.	['misp', 'stix-1.1']
attributed-to	This referenced source is attributed to the target object.	['misp', 'stix-2.0']
targets	This relationship describes that the source object targets the target object.	['misp', 'stix-2.0']

Name of relationship	Description	Format
uses	This relationship describes the use by the source object of the target object.	['misp', 'stix-2.0']
indicates	This relationships describes that the source object indicates the target object.	['misp', 'stix-2.0']
mitigates	This relationship describes a source object which mitigates the target object.	['misp', 'stix-2.0']
variant-of	This relationship describes a source object which is a variant of the target object	['misp', 'stix-2.0']
impersonates	This relationship describes a source object which impersonates the target object	['misp', 'stix-2.0']
authored-by	This relationship describes the author of a specific object.	['misp']
located	This relationship describes the location (of any type) of a specific object.	['misp']
included-in	This relationship describes an object included in another object.	['misp']
analysed-with	This relationship describes an object analysed by another object.	['misp']
claimed-by	This relationship describes an object claimed by another object.	['misp']
communicates-with	This relationship describes an object communicating with another object.	['misp']
dropped-by	This relationship describes an object dropped by another object.	['misp']
drops	This relationship describes an object which drops another object	['misp']
executed-by	This relationship describes an object executed by another object.	['misp']
affects	This relationship describes an object affected by another object.	['misp']

Name of relationship	Description	Format
beacons-to	This relationship describes an object beaconing to another object.	['misp']
abuses	This relationship describes an object which abuses another object.	['misp']
exfiltrates-to	This relationship describes an object exfiltrating to another object.	['misp']
identifies	This relationship describes an object which identifies another object.	['misp']
intercepts	This relationship describes an object which intercepts another object.	['misp']
calls	This relationship describes an object which calls another objects.	['misp']
detected-as	This relationship describes an object which is detected as another object.	['misp']
followed-by	This relationship describes an object which is followed by another object. This can be used when a time reference is missing but a sequence is known.	['misp']
preceding-by	This relationship describes an object which is preceded by another object. This can be used when a time reference is missing but a sequence is known.	['misp']
triggers	This relationship describes an object which triggers another object.	['misp']
vulnerability-of	This relationship describes an object which is a vulnerability of another object.	['cert-eu']
works-like	This relationship describes an object which works like another object.	['cert-eu']
seller-of	This relationship describes an object which is selling another object.	['cert-eu']

Name of relationship	Description	Format
seller-on	This relationship describes an object which is selling on another object.	['cert-eu']
trying-to-obtain-the-exploit	This relationship describes an object which is trying to obtain the exploit described by another object	['cert-eu']
used-by	This relationship describes an object which is used by another object.	['cert-eu']
affiliated	This relationship describes an object which is affiliated with another object.	['cert-eu']
alleged-founder-of	This relationship describes an object which is the alleged founder of another object.	['cert-eu']
attacking-other-group	This relationship describes an object which attacks another object.	['cert-eu']
belongs-to	This relationship describes an object which belongs to another object.	['cert-eu']
business-relations	This relationship describes an object which has business relations with another object.	['cert-eu']
claims-to-be-the-founder-of	This relationship describes an object which claims to be the founder of another object.	['cert-eu']
cooperates-with	This relationship describes an object which cooperates with another object.	['cert-eu']
former-member-of	This relationship describes an object which is a former member of another object.	['cert-eu']
successor-of	This relationship describes an object which is a successor of another object.	['cert-eu']
has-joined	This relationship describes an object which has joined another object.	['cert-eu']
member-of	This relationship describes an object which is a member of another object.	['cert-eu']

Name of relationship	Description	Format
primary-member-of	This relationship describes an object which is a primary member of another object.	['cert-eu']
administrator-of	This relationship describes an object which is an administrator of another object.	['cert-eu']
is-in-relation-with	This relationship describes an object which is in relation with another object,	['cert-eu']
provide-support-to	This relationship describes an object which provides support to another object.	['cert-eu']
regional-branch	This relationship describes an object which is a regional branch of another object.	['cert-eu']
similar	This relationship describes an object which is similar to another object.	['cert-eu']
subgroup	This relationship describes an object which is a subgroup of another object.	['cert-eu']
suspected-link	This relationship describes an object which is suspected to be linked with another object.	['misp']
same-as	This relationship describes an object which is the same as another object.	['misp']
creator-of	This relationship describes an object which is the creator of another object.	['cert-eu']
developer-of	This relationship describes an object which is a developer of another object.	['cert-eu']
uses-for-recon	This relationship describes an object which uses another object for recon.	['cert-eu']
operator-of	This relationship describes an object which is an operator of another object.	['cert-eu']
overlaps	This relationship describes an object which overlaps another object.	['cert-eu']
owner-of	This relationship describes an object which owns another object.	['cert-eu']

Name of relationship	Description	Format
publishes-method-for	This relationship describes an object which publishes method for another object.	['cert-eu']
recommends-use-of	This relationship describes an object which recommends the use of another object.	['cert-eu']
released-source-code	This relationship describes an object which released source code of another object.	['cert-eu']
released	This relationship describes an object which release another object.	['cert-eu']
exploits	This relationships describes an object (like a PoC/exploit) which exploits another object (such as a vulnerability object).	['misp']