

MISP STANDARD

THE COLLABORATIVE INTELLIGENCE STANDARD POW-

CIRCL / TEAM MISP PROJECT

[HTTP://WWW.MISP-STANDARD.ORG/](http://www.misp-standard.org/)
TWITTER: @MISPPROJECT

NSPA



2022-08-05

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- Following the grow of organisations relying on MISP, the **JSON format used by MISP are standardised under the [misp-standard.org umbrella](https://misp-standard.org)**
- The goal is to provide a flexible set of standards to support information exchange and data modeling in the following field:
 - ▶ Cybersecurity intelligence
 - ▶ Threat intelligence
 - ▶ Financial fraud
 - ▶ Vulnerability information
 - ▶ Border control information
 - ▶ Digital Forensic and Incident Response
 - ▶ and intelligence at large

└─ MISP Standard

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This standard describes the **MISP core format** used to exchange indicators and threat information between MISP instances. The **JSON format includes the overall structure along with the semantics associated for each respective key**. The format is described to support other implementations, aiming to reuse the format and ensuring the interoperability with the existing MISP software and other Threat Intelligence Platforms.

Standard - MISP core format

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This standard describes the **MISP object** template format which describes a simple JSON format to represent the various templates used to construct MISP objects. A **public directory of common MISP object templates and relationships** is available and relies on the MISP object reference format.

└─ MISP object template format

This standard describes the **MISP galaxy format which describes a simple JSON format to represent galaxies and clusters** that can be attached to MISP events or attributes. A public directory of MISP galaxies is available and relies on the MISP galaxy format. MISP galaxies are used to attach additional information structures such as MISP events or attributes. **MISP galaxy is a public repository of known malware, threats actors and various other collections of data that can be used to mark, classify or label data in threat information sharing.**

└─ MISP galaxy format

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This standard describes the format used by SightingDB to give automated context to a given Attribute by **counting occurrences and tracking times of observability**. SightingDB was designed to provide to MISP and other tools an interoperable, scalable and fast way to store and retrieve attributes sightings.

└ SightingDB format

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INTERNET-DRAFT - IETF FOR MISP FORMATS AND MISP STANDARD

- If you want to contribute to our IETF Internet-Draft for the MISP standard, [misp-rfc¹](https://github.com/MISP/misp-rfc) is the repository where to contribute.
- **Update only the markdown file**, the XML and ASCII for the IETF I-D are automatically generated.
- If a major release or updates happen in the format, we will publish the I-D to the IETF².
- The process is always MISP implementation → IETF I-D updates.
- Then published standards in misp-standard.org.

¹<https://github.com/MISP/misp-rfc>

²<https://datatracker.ietf.org/doc/search/?name=misp&activedrafts=on&rfcs=on>

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Internet-Draft - IETF for MISP formats and MISP standard

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