THE MITRE CORPORATION

STIX™ 1.2

Report Specification (v1.0)

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*The Structured Threat Information eXpression (STIXTM) framework defines nine core constructs and the relationships between them for the purposes of modeling cyber threat information and enabling cyber threat information analysis and sharing. This specification document defines the Report construct, which gives context to a grouping of the nine core constructs, including related Reports.*

**Acknowledgements**

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**Feedback**

The STIX development team welcomes any feedback regarding this document. Please send any comments, questions, or suggestions to stix@mitre.org.[[2]](#footnote-3)

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# Introduction

The Structured Threat Information eXpression (STIXTM) framework defines nine top-level component data models: Observable[[3]](#footnote-4), Indicator, Incident, TTP, ExploitTarget, CourseOfAction, Campaign, ThreatActor, and Report. This document serves as the specification for the STIX Report Version 1.0 data model.

As defined within the STIX language, a Report construct defines a contextual wrapper for a grouping of STIX content, which includes sets of the other eight top-level constructs, as well as other related Reports.

In Section 1.1 we discuss STIX specification documents, and in Section 1.2 we give document conventions. In Section 2, we give background information necessary to fully understand the Report data model, and we present the Report data model specification details in Section 3. References are provided in the final section.

## STIX Specification Documents

The STIX specification consists of a formal UML model and a set of textual specification documents that explain the UML model. Specification documents have been written for each of the key data models that compose the full STIX UML model.

The STIX specification overview document provides a comprehensive overview of the full set of STIX data models [STIXO], which in addition to the nine top-level component data models mentioned in the Introduction, includes a core data model, a common data model, a cross-cutting data marking data model, various extension data models, and a set of default controlled vocabularies. [STIXO] also summarizes the relationship of STIX to other languages and outlines general STIX data model conventions.

Figure 1‑1 illustrates the set of specification documents that are available. The color black is used to indicate the specification overview document, altered shading differentiates the overarching Core and Common data models from the supporting data models (default vocabularies, data marking, and extensions), and the color white indicates the component data models. The Observable component data model is shown as an oval shape to indicate that it is defined as a CybOX specification (see [STIXO] for details). This Report specification document is highlighted in its associated color (see Section 1.2.4.3). For a list of all STIX documents and related information sources, please see [STIXO].

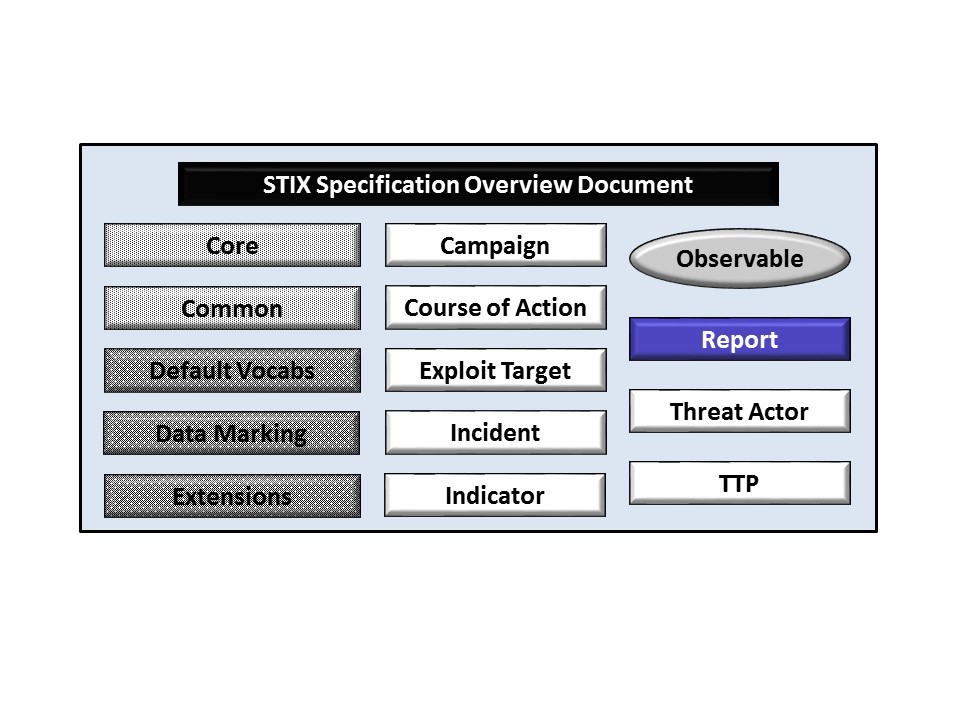


Figure 1‑1. STIX Language v1.2 specification documents

All specification documents can be found on this STIX Website [STIX-SPECS].

## Document Conventions

The following conventions are used in this document.

### Keywords

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in *RFC 2119* [RFC2119].

### Fonts

The following font and font style conventions are used in the document:

* Capitalization is used for STIX high level concepts, which are defined in the STIX Specification Overview [STIXO].

Examples: Indicator, Course of Action, Threat Actor

* The Courier New font is used for writing UML objects.

Examples: RelatedIndicatorsType, stixCommon:StatementType

Note that all high level concepts have a corresponding UML object. For example, the Course of Action high level concept is associated with a UML class named, CourseOfActionType.

* The ‘*italic’* font (withsingle quotes) is used for noting actual, explicit values for STIX Language properties. The *italic* font (without quotes) is used for noting example values.

Example:  *‘PackageIntentVocab-1.0,’ high, medium, low*

### UML Package References

Each STIX data model is captured in a different UML package (e.g., Core package, Campaign package, etc.) where the packages together compose the full STIX UML model. To refer to a particular class of a specific package, we use the format package\_prefix:class, where package\_prefix corresponds to the appropriate UML package. The STIX 1.2 Specification Overview document [STIXO] contains a list of the packages used by the Report data model, along with the associated prefix notations, descriptions, examples.

Note that in this specification document, we do not explicitly specify the package prefix for any classes that originate from the Report data model.

### UML Diagrams

This specification makes use of UML diagrams to visually depict relationships between STIX Language constructs. Note that the diagrams have been extracted directly from the full UML model for STIX; they have not been constructed purely for inclusion in the specification documents.  Typically, diagrams are included for the primary class of a data model, and for any other class where the visualization of its relationships between other classes would be useful.  This implies that there will be very few diagrams for classes whose only properties are either a data type or a class from the STIX Common data model.  Other diagrams that are included correspond to classes that specialize a superclass and abstract or generalized classes that are extended by one or more subclasses.

In UML diagrams, classes are often presented with their attributes elided, to avoid clutter. The fully described class can usually be found in a related diagram. A class presented with an empty section at the bottom of the icon indicates that there are no attributes other than those that are visualized using associations.

#### Class Properties

Generally, a class property can be shown in a UML diagram as either an attribute or an association (i.e., the distinction between attributes and associations is somewhat subjective). In order to make the size of UML diagrams in the specifications manageable, we have chosen to capture most properties as attributes and to capture only higher level properties as associations, especially in the main top-level component diagrams. In particular, we will always capture properties of UML data types as attributes. For example, properties of a class that are identifiers, titles, and timestamps will be represented as attributes.

#### Diagram Icons and Arrow Types

Diagram icons are used in a UML diagram to indicate whether a shape is a class, enumeration or data type, and decorative icons are used to indicate whether an element is an attribute of a class or an enumeration literal. In addition, two different arrow styles indicate either a directed association relationship (regular arrowhead) or a generalization relationship (triangle-shaped arrowhead). The icons and arrow styles we use are shown and described in Table 1‑1.

Table 1‑1. UML diagram icons

|  |  |
| --- | --- |
| **Icon** | **Description** |
|  | This diagram icon indicates a class. If the name is in italics, it is an abstract class. |
|  | This diagram icon indicates an enumeration. |
|  | This diagram icon indicates a data type. |
|  | This decorator icon indicates an attribute of a class. The green circle means its visibility is public. If the circle is red or yellow, it means its visibility is private or protected. |
|  | This decorator icon indicates an enumeration literal. |
|  | This arrow type indicates a directed association relationship. |
|  | This arrow type indicates a generalization relationship. |

#### Color Coding

The shapes of the UML diagrams are color coded to indicate the data model associated with a class. The colors used in the Indicator specification are illustrated in Figure 1‑2.



Figure 1‑2. Data model color coding

### Property Table Notation

Throughout Section 3, tables are used to describe the properties of each data model class. Each property table consists of a column of names to identify the property, a type column to reflect the datatype of the property, a multiplicity column to reflect the allowed number of occurrences of the property, and a description column that describes the property. Package prefixes are provided for classes outside of the Report data model (see Section 1.2.3).

Note that if a class is a specialization of a superclass, only the properties that constitute the specialization are shown in the property table (i.e., properties of the superclass will not be shown). However, details of the superclass may be shown in the UML diagram.

In addition, properties that are part of a “choice” relationship (e.g., Prop1 OR Prop2 is used but not both) will be denoted by a unique letter subscript (e.g., API\_CallA, CodeB) and single logic expression in the Multiplicity column.  For example, if there is a choice of property API\_CallA and CodeB, the expression “A(1)|B(0..1)” will indicate that the API\_Call property can be chosen with multiplicity 1 or the Code property can be chosen with multiplicity 0 or 1.

### Property and Class Descriptions

Each class and property defined in STIX is described using the format, “The X property verbY.” For example, in the specification for the STIX Indicator, we write, “The id property specifies a globally unique identifier for the kill chain instance.” In fact, the verb “specifies” could have been replaced by any number of alternatives: “defines,” “describes,” “contains,” “references,” etc.

However, we thought that using a wide variety of verb phrases might confuse a reader of a specification document because the meaning of each verb could be interpreted slightly differently. One the other hand, we didn’t want to use a single, generic verb, such as “describes,” because although the different verb choices may or may not be meaningful from an implementation standpoint, a distinction could be useful to those interested in the modeling aspect of STIX.

Consequently, we have chosen to use the three verbs, defined as follows, in class and property descriptions:

|  |  |
| --- | --- |
| **Verb** | **STIX Definition** |
| captures | Used to record and preserve information without implying anything about the structure of a class or property. Often used for properties that encompass general content. This is the least precise of the three verbs. |
|  | *Examples:*  The Source property characterizes the source of the sighting information. Examples of details captured include identitifying characteristics, time-related attributes, and a list of the tools used to collect the information.  The Description property captures a textual description of the Indicator. |
| characterizes | Describes the distinctive nature or features of a class or property. Often used to describe classes and properties that themselves comprise one or more other properties. |
|  | *Examples:*  The Confidence property characterizes the level of confidence in the accuracy of the overall content captured in the Incident.  The ActivityType class characterizes basic information about an activity a defender might use in response to a Campaign. |
| specifies | Used to clearly and precisely identify particular instances or values associated with a property. Often used for properties that are defined by a controlled vocabulary or enumeration; typically used for properties that take on only a single value. |
|  | *Example:*  The version property specifies the version identifier of the STIX Campaign data model used to capture the information associated with the Campaign. |

# Background Information

In this section, we provide high level information about the Report data model that is useful to fully understand the specification details given in Section 3.

As illustrated in Figure 2‑1, the STIX Report data model leverages all eight of the other top-level component data models and acts as a contextual wrapper for a grouping of the associated constructs (which can include related Report constructs). As stated in Section 1.1, each of these top-level components is defined in a separate specification document.

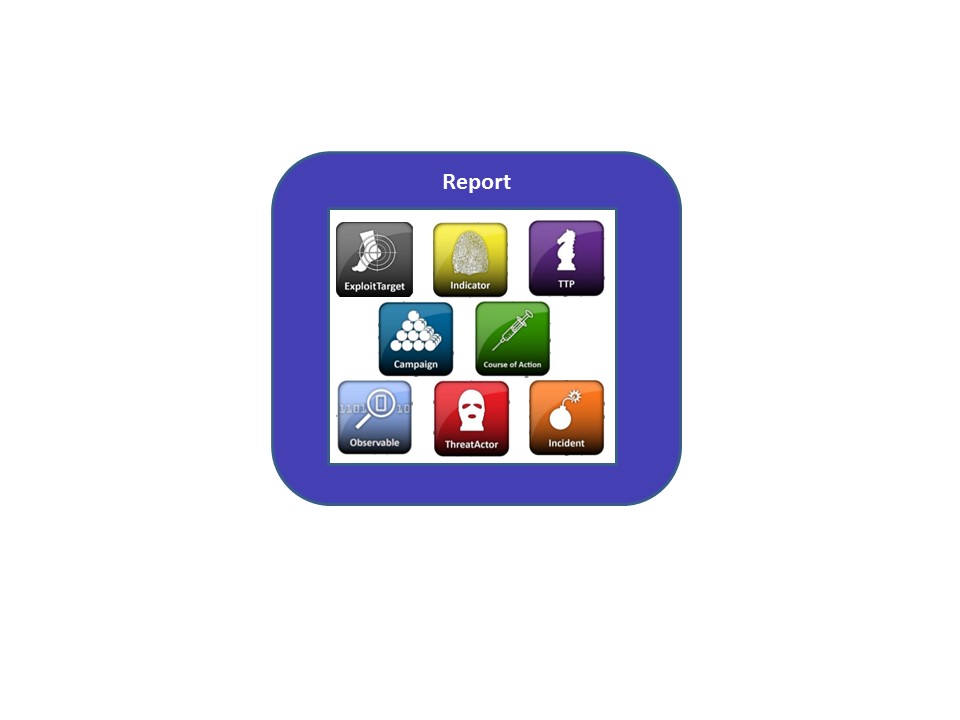


Figure 2‑1. A Report

Because a Report is not simply a container, there is an assumption that the instances it contains are contextually related, most often characterized through the report Intent property in the HeaderType class (see Section 3.2).

## Component Data Models

Individual component data models define objects specific to each of the other top-level STIX component construct: Observable; Indicator; Incident; Tactics, Techniques, and Procedures (TTPs); Exploit Target; Course of Action (COA); Campaign; and Threat Actor. These data models each provide the capability to fully express information about their targeted conceptual area. In the STIX framework, they are all optional and may be used separately or in concert, as appropriate, using whichever components and architectural relationships that are relevant for a given use case.

In the subsections below, a brief description is given for each component data model as well as a reference to the data model’s individual specification document.

### Observable

A STIX Observable (as defined with the CybOX Language[[4]](#footnote-5)) represents stateful properties or measurable events pertinent to the operation of computers and networks. Implicit in this is a practical need for descriptive capability of two forms of observables: “observable instances” and “observable patterns.” Observable instances represent actual specific observations that took place in the cyber domain. The property details of this observation are specific and unambiguous. Observable patterns represent conditions for a potential observation that may occur in the future or may have already occurred and exists in a body of observable instances. These conditions may be anything from very specific concrete patterns that would match very specific observable instances to more abstract generalized patterns that have the potential to match against a broad range of potential observable instances.

### Indicator

A STIX Indicator conveys specific Observable patterns combined with contextual information intended to represent artifacts and/or behaviors of interest within a cyber security context. Please see the STIX Indicator data model specification [STIXIND] for details.

### Incident

A STIX Incident corresponds to sets of related security events affecting an organization, along with information discovered or decided during an incident response investigation. Please see the STIX Incident data model specification [STIXINC] for details.

### Tactics, Techniques and Procedures (TTP)

A STIX Tactics, Techniques, and Procedures (TTP) is used to represent the behavior or modus operandi of cyber adversaries. Please see the STIX TTP data model specification [STIXTTP] for details.

### Campaign

A STIX [Campaign](http://stixproject.github.io/data-model/1.1.1/campaign/CampaignType) represents a set of TTPs, Incidents, or Threat Actors that together express a common intent or desired effect. Please see the STIX Campaign data model specification [STIXCAM] for details.

### Threat Actor

A STIX Threat Actor is a characterization of a malicious actor (or adversary) representing a cyber attack threat including presumed intent and historically observed behavior. Please see the STIX Threat Actor data model specification [STIXTA] for details.

### Exploit Target

A STIX Exploit Target conveys information about a vulnerability, weakness, or misconfiguration in software, systems, networks, or configurations that may be targeted for exploitation by an adversary. Please see the STIX Exploit Target data model specification [STIXET] for details.

### Course of Action (COA)

A STIX [Course of Action](http://stixproject.github.io/data-model/1.1.1/coa/CourseOfActionType) (COA) is used to convey information about courses of action that may be taken either in response to an attack or as a preventative measure prior to an attack. Please see the STIX Course of Action data model specification [STIXCOA] for details.

# 

# STIX Report Data Model

The primary class of the STIX Report package is the ReportType class, which defines a contextual wrapper for a grouping of STIX content. Similar to the primary classes of all of the component data models in STIX, the ReportType class extends a base class defined in the STIX Common data model; more specifically, it extends the ReportBaseType base class, which provides the essential identifier (id) and identifier reference (idref) properties.

The relationship between the ReportType class and the ReportBaseType base class, as well as the properties of the ReportType class, are illustrated in the UML diagram given in Figure 3‑1 on page 11.

The property table, which includes property descriptions and corresponds to the UML diagram given in Figure 3‑1, is provided in Table 3‑1 on page 12.

All classes defined in the Report data model are described in detail in Sections 3.1 through 3.9. Details are not provided for classes defined in non-Report data models; instead, the reader is refered to the corresponding data model specification as indicated by the package prefix specified in the Type column of the table.

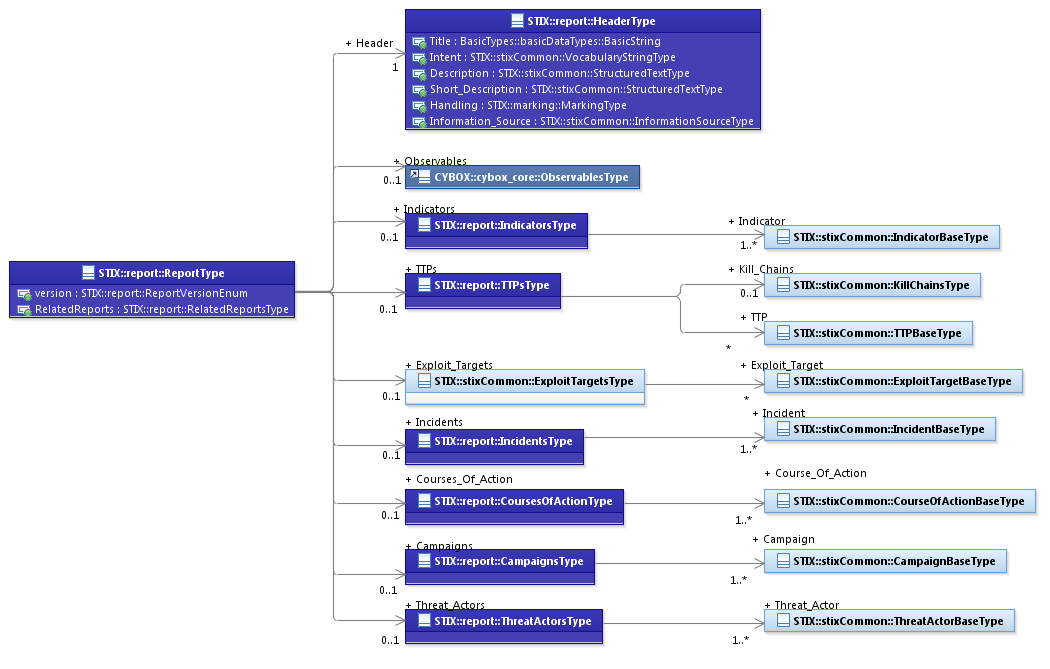


Figure 3‑1. UML diagram of the ReportType class

Table 3‑1. Properties of the ReportType class

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Multiplicity** | **Description** |
| **version** | ReportVersionEnum | 0..1 | The version property specifies the version number of the STIX Report data model used to capture the information associated with the Report. |
| **Header** | HeaderType | 0..1 | The Header property characterizes the contextual information for this grouping of STIX content. |
| **Observables** | cybox:ObservablesType | 0..1 | The Observables property specifies a set of one or more cyber observables. |
| **Indicators** | IndicatorsType | 0..1 | The Indicators property specifies a set of one or more cyber threat Indicators. |
| **TTPs** | TTPsType | 0..1 | The TTPs property specifies a set of one or more cyber threat adversary Tactics, Techniques or Procedures. |
| **Exploit\_Targets** | stixCommon:ExploitTargetsType | 0..1 | The Exploit\_Targets property specifies a set of one or more potential targets for exploitation. |
| **Incidents** | IncidentsType | 0..1 | The Incidents property specifies a set of one or more cyber threat Incidents. |
| **Courses\_Of\_Action** | CoursesOfActionType | 0..1 | The Courses\_Of\_Action property specifies a set of one or more Courses of Action to be taken in regards to one of more cyber threats. |
| **Campaigns** | CampaignsType | 0..1 | The Campaigns property specifies a set of one or more cyber threat Campaigns. |
| **Threat\_Actors** | ThreatActorsType | 0..1 | The Threat\_Actors property specifies a set of one or more cyber Threat Actors. |
| **Related\_Reports** | RelatedReportsType | 0..1 | The Related\_Reports property specifies a set of one or more other Reports related to this Report. |

## ReportVersionEnum Enumeration

The ReportVersionEnum enumeration is an inventory of all versions of the Report data model, all of which are valid in STIX Version 1.2.

The enumeration literals are given in Table 3‑2.

Table 3‑2. Literals of the ReportVersionEnum enumeration

|  |  |
| --- | --- |
| **Enumeration Literal** | **Description** |
| **1.0** | Report data model Version 1.0 |

## HeaderType Class

The HeaderType class provides a structure for characterizing the contextual information of a Report.

The property table of the HeaderType class is given in Table 3‑3.

Table 3‑3. Properties of the HeaderType class

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Multiplicity** | **Description** |
| **Title** | basicDataTypes:BasicString | 0..1 | The Title property captures a title for the Report and reflects what the content producer thinks the Report as a whole should be called. The Title property is typically used by humans to reference a particular Report; however, it is not suggested for correlation. |
| **Intent** | stixCommon:  VocabularyStringType | 0..\* | The Intent property specifies the intended purpose(s) or use(s) for the Report. Examples of potential purposes are *collective threat intelligence*, *campaign characterization* and *malware samples* (these specific values are only provided to help explain the property: they are neither recommended types nor necessarily part of any existing vocabulary). The content creator may choose any arbitrary value or may constrain the set of possible values by referencing an externally-defined vocabulary or leveraging a formally defined vocabulary extending from the stixCommon:ControlledVocabularyStringType class. The STIX default vocabulary class for use in this property is *'ReportIntentVocab-1.0'*. |
| **Description** | stixCommon:  StructuredTextType | 0..\* | The Description property captures a textual description of the Report. Any length is permitted. Optional formatting is supported via the structuring\_format property of the StructuredTextType class. |
| **Short\_Description** | stixCommon:  StructuredTextType | 0..\* | The Short\_Description property captures a short textual description of the Report.  This property is secondary and should only be used if the Description property is already populated and another, shorter description is available. |
| **Handling** | marking:MarkingType | 0..1 | The Handling property specifies the appropriate data handling markings for the properties of this Report. The marking scope is limited to the Report and the content it contains. Note that data handling markings can also be specified at a higher level. |
| **Information\_Source** | stixCommon:  InformationSourceType | 0..1 | The Information\_Source property characterizes the source of the Report and all of its contained information. Examples of details captured include identitifying characteristics, time-related attributes, and a list of the tools used to collect the information. |

## Content Aggregation Types

Each component type has an associated aggregation class that has one main property – a set of one or more instances of that component type. The aggregation class for Observables, cybox\_core:ObservablesType, is defined in [CybOXCOR].

### IndicatorsType Class

The IndicatorsType class specifies a set of one or more cyber threat Indicators.

The properties of the IndicatorsType class are given in Table 3‑4.

Table 3‑4. Properties of the IndicatorsType class

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Multiplicity** | **Description** |
| **Indicator** | stixCommon:IndicatorBaseType | 1..\* | The Indicator property characterizes a cyber threat Indicator. The stixCommon:IndicatorBaseType class is a minimal base class that is intended to be extended. The default and strongly recommended class to fully implement an Indicator is the indicator:IndicatorType class defined in [STIXIND].  Base classes are used to minimize interdependence between STIX components, not to enable or encourage conflicting syntactic variation. However, through the use of the idref property, a reference to an Indicator defined elsewhere can be specified via the direct use of the stixCommon:IndicatorBaseType class. |

### TTPsType Class

The TTPsType class specifies a set of zero or more cyber threat TTPs.

The property table of the TTPsType class is given in Table 3‑5.

Table 3‑5. Properties of the TTPsType class

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Multiplicity** | **Description** |
| **TTP** | stixCommon:TTPBaseType | 0..\* | The TTP property characterizes a cyber threat adversary Tactic, Technique or Procedure (TTP). The stixCommon:TTPBaseType class is a minimal base class that is intended to be extended. The default and strongly recommended class to fully implement a TTP is the ttp:TTPType class defined in [STIXTTP].  Base classes are used to minimize interdependence between STIX components, not to enable or encourage conflicting syntactic variation. However, through the use of the idref property, a reference to a TTP defined elsewhere can be specified via the direct use of the stixCommon:TTPBaseType class. |

### IncidentsType Class

The IncidentsType class specifies a set of one or more cyber threat Incidents.

The properties of the IncidentsType class are given in Table 3‑6.

Table 3‑6. Properties of the IncidentsType class

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Multiplicity** | **Description** |
| **Incident** | stixCommon:IncidentBaseType | 1..\* | The Incident property characterizes a cyber threat Incident. The stixCommon:IncidentBaseType class is a minimal base class that is intended to be extended. The default and strongly recommended class to fully implement an Incident is the incident:IncidentType class defined in [STIXINC].  Base classes are used to minimize interdependence between STIX components, not to enable or encourage conflicting syntactic variation. However, through the use of the idref property, a reference to an Incident defined elsewhere can be specified via the direct use of the stixCommon:IncidentBaseType class. |

### CoursesOfActionType Class

The CoursesOfActionType class specifies a set of one or more actions that could be taken in regard to cyber threats.

The properties of the CoursesOfActionType class are given in Table 3‑7.

Table 3‑7. Properties of the CoursesOfActionType class

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Multiplicity** | **Description** |
| **Course\_Of\_Action** | stixCommon:  CourseOfActionBaseType | 1..\* | The Course\_Of\_Action property characterizes a Course of Action that could be taken in regard to one of more cyber threats. The stixCommon:CourseOfActionBaseType class is a minimal base class that is intended to be extended.  The default and strongly RECOMMENDED class to fully implement a Course of Action is the coa:CourseOfActionType class defined in [STIXCOA]. Base classes are used to minimize interdependence between STIX components, not to enable or encourage conflicting syntactic variation. However, through the use of the idref property, a reference to a Course of Action defined elsewhere can be specified via the direct use of the stixCommon:CourseOfActionBaseType class. |

### CampaignsType Class

The CampaignsType class specifies a set of one or more cyber threat Campaigns.

The properties of the CampaignsType class are given in Table 3‑8.

Table 3‑8. Properties of the CampaignsType class

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Multiplicity** | **Description** |
| **Campaign** | stixCommon:CampaignBaseType | 1..\* | The Campaign property characterizes a cyber threat Campaign. The stixCommon:CampaignBaseType class is a minimal base class that is intended to be extended. The default and strongly recommended class to fully implement a Campaign is the campaign:CampaignType class defined in [STIXCAM].  Base classes are used to minimize interdependence between STIX components, not to enable or encourage conflicting syntactic variation. However, through the use of the idref property, a reference to a Campaign defined elsewhere can be specified via the direct use of the stixCommon:CampaignBaseType class. |

### ThreatActorsType Class

The ThreatActorsType class specifies a set of one or more cyber Threat Actors.

The property table of the ThreatActorsType class is given in Table 3‑9.

Table 3‑9. Properties of the ThreatActorsType class

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Multiplicity** | **Description** |
| **Threat\_Actor** | stixCommon:ThreatActorBaseType | 1..\* | The ThreatActor property characterizes a cyber Threat Actor. The stixCommon:ThreatActorBaseType class is a minimal base class that is intended to be extended. The default and strongly recommended class to fully implement an ThreatActor is the ta:ThreatActorType class defined in [STIXTA]. Base classes are used to minimize interdependence between STIX components, not to enable or encourage conflicting syntactic variation. However, through the use of the idref property, a reference to a Threat Actor defined elsewhere can be specified via the direct use of the stixCommon:ThreatActorBaseType class. |

## RelatedReportsType Class

The RelatedReportsType class specifies a set of one or more STIX Reports related to this STIX Report and therefore is a self-referential relationship. It extends the GenericRelationShipListType superclass defined in the STIX Common data model, which specifies the scope (whether the elements of the set are related individually or as a group).

The UML diagram corresponding to the RelatedReportsType class is shown in Figure 3‑2.

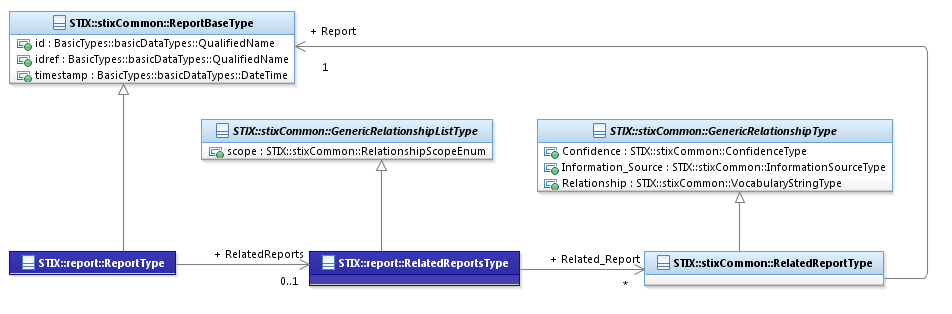


Figure 3‑2. UML diagram showing the use of the RelatedReportsType class

Table 3‑10 shows the properties of the RelatedReportsType specialization and is associated with the UML diagram in Figure 3‑2.

Table 3‑10. Properties of the RelatedReportsType class

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Type** | **Multiplicity** | **Description** |
| **Related\_Report** | stixCommon:RelatedReportType | 1..\* | The Related\_Report property specifies another Report associated with this Report and characterizes the relationship between the Reports by capturing information such as the level of confidence that the Reports are related, the source of the relationship information, and the type of the relationship. A relationship between Reports may represent assertions of general associativity or different versions of the same Report. |

# References

References made in this document are listed below.

[CybOXCOR] CybOX Core Specification (*not yet available*).

[REL] STIX Indicator Model as implement in XSD

<https://stix.mitre.org/language/version4.1/xxx_schema.xsd>

[RFC2119] RFC 2119 – Key words for use in RFCs to Indicate Requirement Levels

<http://www.ietf.org/rfc/rfc2119.txt>

[STIX] STIX Web Site

<https://stix.mitre.org>

[STIX-SPECS] STIXTM Project Github Site

<http://github.com/STIXProject/specifications>

[STIXCAM] STIX 1.2 Campaign Specification (v1.2)

<http://stix.mitre.org/about/documents/XXXX.pdf>

[STIXCOA] STIX 1.2 Course of Action (COA) Specification (v1.2)

<http://stix.mitre.org/about/documents/XXXX.pdf>

[STIXET] STIX 1.2 Exploit Target Specification (v1.2)

<http://stix.mitre.org/about/documents/XXXX.pdf>

[STIXINC] STIX 1.2 Incident Specification (v1.2)

<http://stix.mitre.org/about/documents/XXXX.pdf>

[STIXIND] STIX 1.2 Indicator Specification (v2.2)

<http://stix.mitre.org/about/documents/XXXX.pdf>

[STIXO] STIX 1.2 Specification Overview (v1.2)

<http://stix.mitre.org/about/documents/XXXX.pdf>

[STIXTA] STIX 1.2 Threat Actor Specification (v1.2)

<http://stix.mitre.org/about/documents/XXXX.pdf>

[STIXTTP] STIX 1.2 TTP Specification (v1.2)

<http://stix.mitre.org/about/documents/XXXX.pdf>

1. For detailed information see [TOU]. [↑](#footnote-ref-2)
2. For more information about the STIX Language, please visit [STIX]. [↑](#footnote-ref-3)
3. The CybOX Observable data model is actually defined in the CybOX Language, not in STIX; but it is included in the list because it is referenced often from STIX. [↑](#footnote-ref-4)
4. CybOX specification documents will be created after STIX specification documents are completed. [↑](#footnote-ref-5)