STIX™ 1.1.1 EXPLOIT TARGET SPECIFICATION (V1.1.1)

May 11, 2015

The Structured Threat Information eXpression ($STIX^{TM}$) framework defines eight 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 Exploit Target construct, which conveys a vulnerability or weakness in software, systems, networks or configurations that is targeted for exploitation by the TTP of a Threat Actor.

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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

² For more information about the STIX Language, please visit [STIX].

¹ For detailed information see [TOU].

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1 Introduction

The Structured Threat Information eXpression (STIXTM) framework defines eight component data models: Observable³, Indicator, Incident, TTP, ExploitTarget, CourseOfAction, Campaign, and ThreatActor. This document serves as the specification for the STIX Exploit Target Version 1.1.1 data model.

As defined within the STIX language, an Exploit Target is a vulnerability or weakness in software, systems, networks or configurations that is targeted for exploitation by the TTP of a Threat Actor. Recognizing a lack of current standardized approaches for generalized characterizations, STIX leverages community knowledge and best practices to define a new Exploit Target structure for representing exploit target information. Portions of the Exploit Target structure use existing standardized approaches to characterize vulnerabilities, weaknesses, and configurations.

More explicitly, the identifier constructs from the Common Vulnerabilities and Exposures (CVE®) and the Open Source Vulnerability Database (OSVDB) are used to identify publicly disclosed vulnerabilities. The Common Vulnerability Reporting Framework (CVRF) format is used to capture a detailed, structured characterization of vulnerabilities not identified in CVE or OSVDB (this allows for the characterization of zero-day vulnerabilities). The identifier construct from the Common Weakness Enumeration (CWE™) is used to identify weaknesses, and the identifier construct from the Common Configuration Enumeration (CCE™) is used to identify configuration issues.

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 Exploit Target data model, and we present the Exploit Target data model specification details in Section 3. References are provided in the final section.

1.1 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 individual 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 eight 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.

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³ The CybOX Observable data model is actually defined in the CybOX Language, not in STIX.

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 [STIX_O] for details). This Exploit Target 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 [STIX_O].

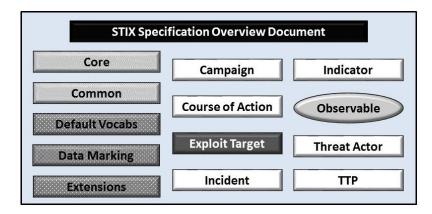


Figure 1-1. STIX Language v1.1.1 specification documents

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

1.2 Document Conventions

The following conventions are used in this document.

1.2.1 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].

1.2.2 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 [STIX₀].

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 (with single 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

1.2.3 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 STIXTM 1.1.1 Specification Overview document [STIX₀] contains a list of the packages used by the Exploit Target 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 Indicator data model.

1.2.4 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.

1.2.4.1 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.

1.2.4.2 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.

Icon	Description			
	This diagram icon indicates a class. If the name is in italics, it is an abstract class.			
(E)	This diagram icon indicates an enumeration.			
(D)	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.			
\longrightarrow	This arrow type indicates a directed association relationship.			
	This arrow type indicates a generalization relationship.			

Table 1-1. UML diagram icons

1.2.4.3 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

1.2.5 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 Exploit Target 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_Call_A , $Code_B$) and single logic expression in the Multiplicity column. For example, if there is a choice of property API_Call_A and $Code_B$, 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.

1.2.6 Property and Class Descriptions

Each class and property defined in STIX is described using the format, "The X property verb Y." 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. On 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
	Used to record and preserve information without implying anything
captures	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 <u>captured</u> include identitifying

	characteristics, time-related attributes, and a list of the tools used to
	collect the information.
	The Description property <u>captures</u> a textual description of the
	Indicator.
	Describes the distinctive nature or features of a class or property. Often
characterizes	used to describe classes and properties that themselves comprise one or
	more other properties.
	Examples:
	The Confidence property <u>characterizes</u> the level of confidence in the
	accuracy of the overall content captured in the Incident.
	The ActivityType class <u>characterizes</u> basic information about an
	activity a defender might use in response to a Campaign.
	Used to clearly and precisely identify particular instances or values
anasitias	associated with a property. Often used for properties that are defined by
<u>specifies</u>	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.
	1 0

2 Background Information

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

2.1 Exploit Target-Related Component Data Models

As will be explicitly detailed in Section 3, a STIX Exploit Target leverages the Course of Action data model (as indicated by the outward-oriented arrow). Figure 2-1 illustrates the relationship between the Exploit Target and the other core constructs. As stated in Section 1.1, each of these components is defined in a separate specification document.



Figure 2-1. High level view of the Exploit Target data model

In this section, we give a high level summary of the relationship between the Exploit Target data model and the Course of Action to which an Exploit Target may refer. We also make note of the fact that the Exploit Target data model can be self-referential. Other relationships are defined in the specification of the component from which they originate.

• Course of Action

A STIX Course of Action (COA) component 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. A Course of Action component captures a variety of information such as the Course of Action's objective, likely impact, efficacy, and cost. Please see the STIX Course of Action data model specification $[STIX_{COA}]$ for details.

The Exploit Target data model references the Course of Action data model as a means to identify Courses of Actions that may be relevant in the mitigation of the Exploit Target.

Exploit Target

The Exploit Target data model is self-referential, enabling one Exploit Target to reference other Exploit Targets that are asserted to be related. Self-referential

relationships between Exploit Targets may indicate general associativity or can be used to indicate relationships between different versions of the same Exploit Target.

3 STIX Exploit Target Data Model

The primary class of the STIX Exploit Target package is the ExploitTargetType class, which characterizes potential targets for exploitation by capturing characteristics of targeted victims that may make them vulnerable to attack. Similar to the primary classes of all the component data models in STIX, the ExploitTargetType class extends a base class defined in the STIX Common data model; more specifically, it specializes the ExploitTargetBaseType base class, which provides the essential identifier (id) and identifier reference (idref) properties.

The relationship between the ExploitTargetType class and the ExploitTargetBaseType base class, as well as the properties of the ExploitTargetType class, are illustrated in the UML diagram given in Figure 3-1.

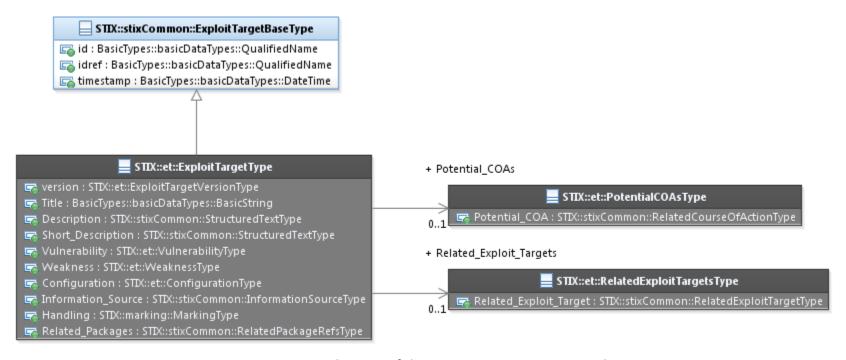


Figure 3-1. UML diagram of the ExploitTargetType class

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

Table 3-1. Properties of the ExploitTargetType class

Name	Туре	Multiplicity	Description
version	ExploitTargetVersionType	01	The version property specifies the version identifier of the STIX Exploit Target data model used to capture the information associated with the Exploit Target.
Title	basicDataTypes:BasicString	01	The Title property captures a title for the Exploit Target and reflects what the content producer thinks the Exploit Target as a whole should be called. The Title property is typically used by humans to reference a particular Exploit Target; however, it is not suggested for correlation.
Description	stixCommon:StructuredTextType	01	The Description property captures a textual description of the Exploit Target. Any length is permitted. Optional formatting is supported via the structuring_format property of the StructuredTextType class.
Short_Description	stixCommon:StructuredTextType	01	The Short_Description property captures a short textual description of the objective of this CourseOfAction. This property is secondary and should only be used if the Description property is already populated and another, shorter description is available.
Vulnerability	VulnerabilityType	0*	The Vulnerability property characterizes a vulnerability that is a potential target for exploitation. Examples of information captured include a description of the vulnerability (in a structured or unstructured fashion), a CVE identifier, an OSVDB identifier, and CVSS information.

Weakness	WeaknessType	0*	The Weakness property characterizes a weakness that is a potential target for exploitation. Examples of information captured include a description of the weakness and a CWE identifier.
Configuration	ConfigurationType	0*	The Configuration property characterizes a configuration that is a potential target for exploitation. Examples of information captured include a description of the configuration issue and a CCE identifier.
Potential_COAs	PotentialCOAsType	01	The Potential_COAs property specifies a set of one or more Course of Actions that may be relevant for the remediation or mitigation of this Exploit Target.
Information_Source	<pre>stixCommon: InformationSourceType</pre>	01	The Information_Source property characterizes the source of the Exploit Target information. Examples of details captured include identitifying characteristics, timerelated attributes, and a list of tools used to collect the information.
Handling	marking:MarkingType	01	The Handling property specifies the appropriate data handling markings for the properties of this Exploit Target. The marking scope is limited to the Exploit Target and the content it contains. Note that data handling markings can also be specified at a higher level.
Related_Exploit_Targets	RelatedExploitTargetsType	01	The Related_Exploit_Targets property specifies a set of one or more other Exploit Targets related to this Exploit Target.
Related_Packages	stixCommon: RelatedPackagesRefsType	01	The Related_Packages property specifies a set of one or more STIX Packages that are related to the Exploit Target.

3.1 ExploitTargetVersionType Enumeration

The ExploitTargetVersionType enumeration is an inventory of all versions of the Exploit Target data model that are valid in STIX Version 1.1.1. The enumeration literals are given in Table 3-2.

Table 3-2. Literals of the ExploitTargetVersionType enumeration

Enumeration Literal	Description		
1.0	Exploit Target data model Version 1.0		
1.0.1	Exploit Target data model Version 1.0.1		
1.1	Exploit Target data model Version 1.1		
1.1.1	Exploit Target data model Version 1.1.1		

3.2 VulnerabilityType Class

The VulnerabilityType class characterizes an individual vulnerability. In addition to capturing basic information and references to vulnerability registries, this class is extensible to enable the structured description of a vulnerability. STIX v1.1.1 defines a default subclass to leverage the Common Vulnerability Reporting Format (CVRF) schema⁴: the CVRF1.1InstanceType class (see [STIX_{EXT}]).

 $^{^4}$ There is no UML model defined for the CVRF; it is outside the scope of the STIX 1.1.1 specification.

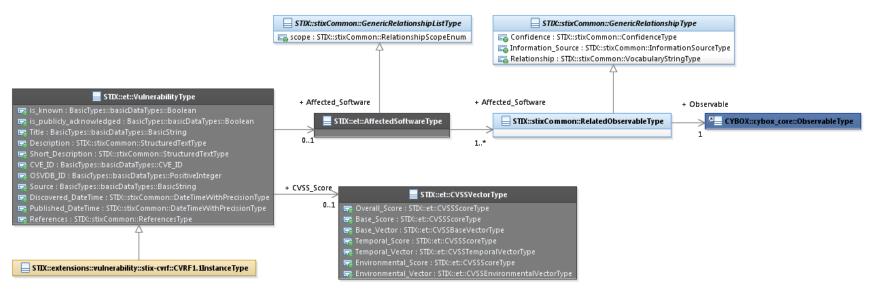


Figure 3-2. UML diagram of the VulnerabilityType class

The property table given in Table 3-3 corresponds to the UML diagram shown in Figure 3-2.

Table 3-3. Properties of the VulnerabilityType class

Name	Туре	Multiplicity	Description
is_known	basicDataTypes:Boolean	01	The is_known property specifies whether or not the vulnerability is known (i.e., not a 0-day) or unknown (i.e., a 0-day) at the time it is characterized.
is_publicly_acknowledged	basicDataTypes:Boolean	01	The is_publicly_acknowledged property specifies whether or not the vulnerability is publicly acknowledged by the vendor at the time it is characterized.
Title	basicDataTypes:String	01	The Title property captures a title for the vulnerability and reflects what the content producer thinks the vulnerability as a whole should be called. The Title property is typically

			used by humans to reference a particular vulnerability; however, it is not suggested for correlation.
Description	stixCommon: StructuredTextType	01	The Description property captures a textual description of the vulnerability. Any length is permitted. Optional formatting is supported via the structuring_format property of the StructuredTextType class.
Short_Description	<pre>stixCommon: StructuredTextType</pre>	01	The Short_Description property captures a short textual description of the vulnerability. This property is secondary and should only be used if the Description property is already populated and another, shorter description is available.
CVE_ID	basicDataTypes:CVE_ID	01	The CVE_ID property specifies a Common Vulnerability and Exposures (CVE) identifier for the vulnerability.
OSVDB_ID	<pre>basicDataTypes: PositiveInteger</pre>	01	The OSVDB_ID property specifies an Open Source Vulnerability Database (OSVDB) identifier for the vulnerability.
Source	basicDataTypes:String	01	The Source property captures a textual description or a URL of the original source of the vulnerability information.
CVSS_Score	CVSSVectorType	01	The CVSS_Score property captures the full Common Vulnerability Scoring System (CVSS) v2.0 base, temporal, and environmental vectors.
Discovered_DateTime	<pre>stixCommon: DateTimeWithPrecisionType</pre>	01	The Discovered_DateTime property specifies the date and time at which the vulnerability was discovered. To avoid ambiguity, all timestamps SHOULD include a specification of the time zone. In addition to specifying a date and time, the Date_Time property may also capture a precision property to specify the granularity with which the time should be considered, as specified by the DateTypePrecisionEnum enumeration (e.g., 'hour,' 'minute'). If omitted, the default precision is 'second.' Digits in a timestamp that are beyond the specified precision SHOULD be zeroed out.

Published_DateTime	<pre>stixCommon: DateTimeWithPrecisionType</pre>	01	The Published_DateTime property specifies the date and time at which information about the vulnerability was published. To avoid ambiguity, all timestamps SHOULD include a specification of the time zone. In addition to specifying a date and time, the Date_Time property may also capture a precision property to specify the granularity with which the time should be considered, as specified by the DateTypePrecisionEnum enumeration (e.g., 'hour,' 'minute'). If omitted, the default precision is 'second.' Digits in a timestamp that are beyond the specified precision SHOULD be zeroed out.
Affected_Software	AffectedSoftwareType	01	The Affected_Software property specifies a set of one or more software products that is affected by this vulnerability. It leverages the CybOX ObservableType class.
References	stixCommon:ReferencesType	01	The References property specifies a set of one or more related references associated with the vulnerability.

3.2.1 CVSSVectorType Class

The CVSSVectorType class characterizes Common Vulnerability Scoring System (CVSS) data associated with the vulnerability.

The property table for the CVSSVectorType class is given in Table 3-4.

 Table 3-4. Properties of the CVSSVectorType class

Name	Туре	Multiplicity	Description
Overall_Score	CVSSScoreType	01	The Overall_Score property specifies the CVSS 2.0 overall score. Note that this is not the same as the unadjusted CVSS base score, which should be specified in the Base_Score property.

Base_Score	CVSSScoreType	01	The Base_Score property specifies the unadjusted CVSS 2.0 base score.
Base_Vector	CVSSBaseVectorType	01	The Base_Vector property specifies the CVSS 2.0 base vector.
Temporal_Score	CVSSScoreType	01	The Temporal_Score property specifies the CVSS 2.0 temporal score.
Temporal_Vector	CVSSTemporalVectorType	01	The Temporal_Vector property specifies the CVSS 2.0 temporal vector.
Environmental_Score	CVSSScoreType	01	The Environmental_Score property specifies the CVSS 2.0 environmental score.
Environmental_Vector	CVSSEnvironmentalVectorType	01	The Environmental_Vector property specifies the CVSS 2.0 environmental vector.

3.2.1.1 CVSSScoreType Data Type

The CVSSScoreType data type specializes the basicDataTypes:BasicString data type by restricting it to the pattern: ((10)|[0-9])\.[0-9]

3.2.1.2 CVSSBaseVectorType Data Type

The CVSSBaseVectorType data type specializes the basicDataTypes:BasicString data type by restricting it to the pattern: AV:[LAN]/AC:[HML]/Au:[MSN]/C:[NPC]/I:[NPC]/A:[NPC]

3.2.1.3 CVSSTemporalVectorType Data Type

The CVSSTemporalVectorType data type specializes the basicDataTypes:BasicString data type by restricting it to the pattern: E:([UFH]|(POC)|(ND))/RL:([WU]|(OF)|(ND))/RC:([C]|(UC)|(UR)|(ND))

3.2.1.4 CVSSEnvironmentalVectorType Data Type

The CVSSEnvironmentalVectorType data specializes the basicDataTypes:BasicString data type by restricting it to the pattern: CDP:([NLH]|(LM)|(MH)|(ND))/TD:([NLMH]|(ND))/CR:([LMH]|(ND))/AR:([LMH]|(ND))

3.2.2 AffectedSoftwareType Class

The AffectedSoftwareType class specifies a set of platforms and software that are affected by a vulnerability. 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 property table for the AffectedSoftwareType class is given in Table 3-5.

Table 3-5. Properties of the AffectedSoftwareType class

Name	Туре	Multiplicity	Description
Affected_Software	stixCommon:RelatedObservableType	1*	The Affected_Software property characterizes a single software product or platform affected by this vulnerability.

3.3 WeaknessType Class

The ${\tt WeaknessType}$ class characterizes a weakness as a potential Exploit Target.

The property table for the WeaknessType class is given in Table 3-6.

Table 3-6. Properties of the WeaknessType class

Name	Туре	Multiplicity	Description
Description	stixCommon:StructuredTextType	01	The Description property captures a textual description of the weakness. Any length is permitted. Optional formatting is supported via the structuring_format property of the StructuredTextType class.
CWE_ID	basicDataTypes:CWE_ID	01	The CWE_ID property specifies a Common Weakness Enumeration (CWE) identifier for a particular weakness.

3.4 ConfigurationType Class

The ConfigurationType class characterizes a software or hardware configuration as a potential Exploit Target.

The property table for the WeaknessType class is given in Table 3-7.

Table 3-7. Properties of the Configuration Type class

Name	Туре	Multiplicity	Description
Description	stixCommon:StructuredTextType	01	The Description property captures a textual description of the configuration. Any length is permitted. Optional formatting is supported via the structuring_format property of the StructuredTextType class.
Short_Description	stixCommon:StructuredTextType	01	The Short_Description property captures a short textual description of the configuration. This property is secondary and should only be used if the Description property is already populated and another, shorter description is available.
CCE_ID	basicDataTypes:CCE_ID	01	The CCE_ID property specifies a Common Configuration Enumeration (CCE) identifier for a particular configuration item.

3.5 PotentialCOAsType Class

The PotentialCOAsType class specifies a set of one or more potential Course of Actions (COAs) for the Exploit Target. 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 Potential COAs Type class is shown in Figure 3-3.

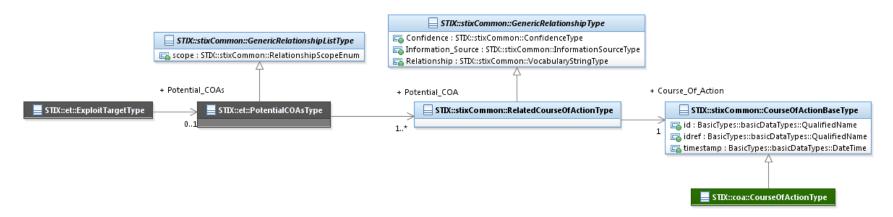


Figure 3-3. UML diagram of the Potential COAs Type class

The property table given in Table 3-8 corresponds to the UML diagram shown in Figure 3-3.

Table 3-8. Properties of the Potential COAs Type class

Name	Туре	Multiplicity	Description
Potential_COA	stixCommon:RelatedCourseOfActionType	1*	The Potential_COA property specifies a Course of Action potentially relevant for the remediation or mitigation of this Exploit Target and characterizes this relevance relationship by capturing information such as the level of confidence that the Course of Action and the Exploit Target are related, the source of the relationship information, and the type of relationship.

3.6 RelatedExploitTargetsType Class

The RelatedExploitTargetsType class specifies a set of one or more other Exploit Targets asserted as related to this Exploit Target 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 RelatedExploitTargetType class is shown in Figure 3-4.

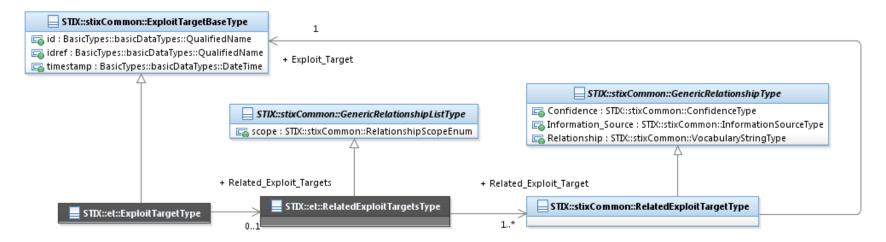


Figure 3-4. UML diagram of the RelatedExploitTargetsType class

The property table given in Table 3-9 corresponds to the UML diagram shown in Figure 3-4.

Table 3-9. Properties of the RelatedExploitTargetsType class

Name	Туре	Multiplicity	Description
Related_Exploit_Target	<pre>stixCommon:RelatedExploitTargetType</pre>	1*	The Related_Exploit_Target property specifies another Exploit Target associated with this Exploit Target and characterizes the relationship between the Exploit Targets by capturing information such as the level of confidence that the Exploit Targets are related, the source of the relationship information, and type of the relationship. A relationship between Exploit Targets may represent assertions of general associativity or different versions of the same Exploit Target.

References

References made in this document are listed below.

[CybOX_{COR}] CybOXTM Core Specification (*not yet available*).

[REL] STIXTM Exploit Target 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] STIXTM Web Site

https://stix.mitre.org

[STIX-SPECS] STIX[™] Project Github Site

http://github.com/STIXProject/specifications

[STIX_{COA}] STIXTM 1.1.1 Course of Action (COA) Specification Version 1.1.1

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

[STIX_{EXT}] STIXTM 1.1.1 Extension Specification Version 1.1.1

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

[STIX_o] STIXTM 1.1.1 Specification Overview

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

[STIX_{TTP}] STIXTM 1.1.1 TTP Specification Version 1.1.1

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

[TOU] Terms of Use

http://stix.mitre.org/about/termsofuse.html