TAXII 1.1 Errata

July 2, 2014

This document notes and corrects all know errors in the normative specifications associated with TAXII 1.1. Specifically, this document contains errata for:

- TAXII Services Specification 1.1
- TAXII XML Message Binding Specification 1.1
- TAXII HTTP Protocol Binding Specification 1.0

Implementers and users of TAXII 1.1 should integrate the described changes in their designs.

This is a living document and will evolve as additional errors are discovered in the identified specifications. Each release of this document is assigned a date indicating the time of the latest update. In addition, the Release Record at the end of this document indicates which errata were added in each release of this document.

To aid implementers, all errata in this document are assigned a unique ID. Each specification has its own identifier format, so errata can be tracked against each version of each spec. For the three specifications covered by this document, the errata IDs are:

Specification	Errata ID Format
TAXII Services Specification 1.1	TAXII-Serv-1.1-Err-*NN*
TAXII XML Message Binding Specification 1.1	TAXII-XML-1.1-Err-*NN*
TAXII HTTP Protocol Binding Specification 1.0	TAXII-HTTP-1.0-Err-*NN*

In all cases, *NN* is a 2-digit number.

Contents

TAXII Services Specification 1.1

TAXII-Serv-1.1-Err-01: Section 4.4.1.1 - Authority part of Status Detail incorrectly required

In Section 4.1.5 the specification reads, "[Status Detail] names MUST conform to URI formatting rules and **SHOULD contain an "authority" part** to avoid name collisions". (Emphasis added)

However, in Section 4.4.1.1, specification states, "In order to avoid accidental name collisions, third party defined **Status Types MUST contain an "authority" part** that identifies the entity that controls the meaning of this Status Type." (Emphasis added)

Section 4.1.5 is correct. The sentence in Section 4.4.1.1 should instead read as follows:

"In order to avoid accidental name collisions, third party defined Status Types SHOULD contain an "authority" part that identifies the entity that controls the meaning of this Status Type."

TAXII-Serv-1.1-Err-02: Section 5.3.3 - Typos in Figure 7

Figure 7 in Section 5.3.3 provides an example of Content Block Nesting in TAXII. However, the figure contains multiple typos, specifically using the word "payload" where the word "content" should appear:

1. The two Content Blocks, A and B, are referred to as "Payload Block" instead of "Content Block".
2. The Content Binding field is called "Payload Binding" instead of "Content Binding".
3. The Content is called "Payload" instead of "Content"
4. The Content Binding in Content Block B is given as "EncStr|PayloadBlock" when it should be "EncStr|ContentBlock".

The corrected figure should appear as follows:

```
A = Content Block {
       Content Binding = ThreatInfo
       Content = ThreatInfo content
       Signature = Digital signature scoped to A
       Padding = ASDFGHJKL…
}

A' = A, encrypted and represented in the fictional "Encryption Struct" format

B = Content Block {
       Content Binding = EncStr|ContentBlock
       Content = A'
       Signature = Digital signature scoped to B
}
```

Figure 1 - Content Block Nesting of ThreatInfo Content

TAXII-Serv-1.1-Err-03: Section 4.4.8 - "Allow Pending" should be "Allow Async"

In Table 8 in Section 4.4.8, under the entry for "Delivery Parameters", the description makes multiple references to an "Allow Polling" field. There is no "Allow Polling" field and both uses of this term should instead say "Allow Async". The following text should replace the description for Delivery Parameters:

"This field identifies how to push Asynchronous Poll Results to an Inbox Service specified by the poll requestor if the requestor wishes this to happen. This field MUST NOT be present if Allow Async is absent or has a value of FALSE. If this field is absent but Allow Async has a value of TRUE, this indicates that the Consumer will pull any Asynchronous Poll results rather than having them pushed. The Poll Service ignores this field if it is able to include results in a Poll Response Message. (Unsupported sub-field values should not lead to error Status Messages if the Delivery Parameters are ignored.) The Poll Service also ignores this field if it is not willing to push Asynchronous Poll Results to a Consumer. "

TAXII XML Message Binding Specification 1.1

TAXII-XML-1.1-Err-01: Section 2.2.3 - Authority part incorrectly required

In Section 2.2.3 (Names and Identifiers), the TAXII XML Message Binding states, "When a third party creates an identifier, the corresponding URI MUST include an authority component..."

However, in the TAXII Services Specification states that the authority part of an identifier URI **SHOULD** be employed, but its use is not required. The TAXII Services Specification is correct and the relevant sentence of the TAXII XML Message Binding should read as follows:

"When a third party creates an identifier, the corresponding URI SHOULD include an authority component (usually in the form of a domain name) to indicate the entity responsible for this name or identifier."

TAXII HTTP Protocol Binding Specification 1.0

TAXII-HTTP-1.0-Err-01: Section 7 - Mismatch between recommended Discovery Service URL and example

In section 7 (Recommended Configurations), the specification provides a recommended Discovery Service URL of '"http://" + your domain + "/taxii-discovery-service/"'. However, the following line gives an example of "http://example.com/TaxiiDiscoveryService/".

The example is incorrect, the text should read as follows:

Discovery Service URL = "http://" + your domain + "/taxii-discovery-service/"

Example: http://example.com/taxii-discovery-service/

Release record

Retained from TAXII 1.0

- TAXII-HTTP-1.0-Err-01: Section 7 - Mismatch between recommended Discovery Service URL and example

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- TAXII-Serv-1.1-Err-01: Section 4.4.1.1 - Authority part of Status Detail incorrectly required
- TAXII-Serv-1.1-Err-02: Section 5.3.3 - Typos in Figure 7
- TAXII-Serv-1.1-Err-03: Section 4.4.8 - "Allow Pending" should be "Allow Async"
- TAXII-XML-1.1-Err-01: Section 2.2.3 - Authority part incorrectly required