



## CTI-TC Working Session

<b>Meeting Date:</b>	<b>May 22, 2018</b>
<b>Time:</b>	<b>3:00 p.m. EDT</b>
<b>Purpose:</b>	<b>Weekly CTI-TC Weekly Working Call</b>

### Attendees:

Bret Jordan - Moderator	Drew Varner	Jane Ginn – Recorder
Allan Thomson	Emmanuelle Vargas-Gonzalez	Mark Davidson
John-Mark Gurney	Chris Larsen	Nicholas Hayden
Jason Keirstead	Sarah Kelley	Jeff Mates

### Agenda:

- Update on Changes to TAXII Working Draft

### Meeting Notes:

Bret Jordan

*[Went over Agenda – Asked for additional updates]*

1. Agenda Bashing
2. Review current working draft - 03
3. TAXII authentication requirement
4. Add Delete capability to Object by ID endpoint
5. Support HTTP2
6. Add Versions endpoint to Object by ID endpoint
7. Synchronous POSTs

Bret Jordan

### Working Draft 03

- We have changed the Status resource based on last weeks call
- We have made changes to the DNS SRV record based on last weeks call
- We have reformatted the endpoints based on feedback

Went over the changes made since last week – Thanks to John-Mark Gurney

### \*\*\* Authentication Topic

- Sections 1.5.9, 8.2.2, and 8.5.1
- Should we relax the TAXII authentication requirement to a SHOULD instead of a MUST for implementing basic authentication.
- Request from John Wunder
- Github Issue 58

New proposed language

Showed revised WD03 Draft

**GET** /taxii2/

**Implementation Notes**  
Get information about the TAXII Server and any advertised API Roots

**Requests**

**Headers**  
Accept: application/taxii+json;version=2.1

**Responses**

**Payloads**  
discovery, error

**Headers**  
Content-Type: application/taxii+json;version=2.1

John-Mark Gurney

I like the format change.... But, I would change the order  
[Suggested format change – Bret changed on the fly]

**Implementation Notes**  
Get information about the TAXII Server and any advertised API Roots

**Requests**

**Headers**  
Accept: application/taxii+json;version=2.1

**Responses**

**Payloads**  
discovery, error

**Headers**  
Content-Type: application/taxii+json;version=2.1

taxii-v2.1-wd03  
Standards Track Draft

Working Draft 03  
Copyright © OASIS Open 2018. All Rights Reserved.

18 May 2018  
Page 24

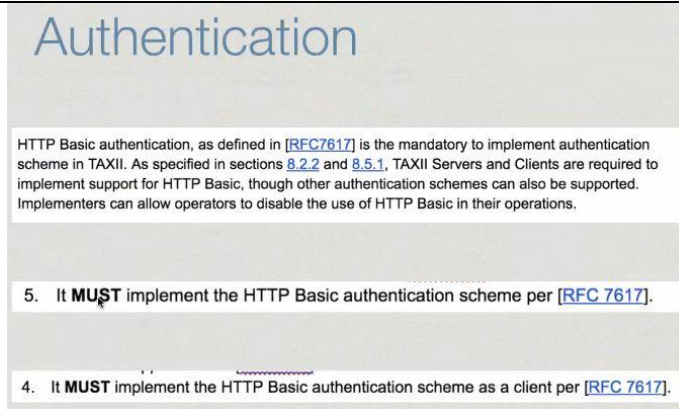
**Example**

**GET Request**  
GET /taxii2/ HTTP/1.1  
Host: example.com  
Accept: application/taxii+json;version=2.1

**GET Response**  
HTTP/1.1 200 OK  
Content-Type: application/taxii+json;version=2.1

Bret Jordan

[Brought up the Authentication issue from last week]  
[Noted no consensus from last week]  
[Led discussion of pros and cons]  
[Showed proposed language]



[Discussion on where Basic Authentication should be]

Drew Varner & Mark Davidson expressed points of view.

Jeff Mates

We want a TAXII-compliant thing – Lots of government requirements  
It makes sense to keep Basic Auth

Bret Jordan

Asked for a show of hands  
7 people voted for changing to SHOULD  
1 person voted for keeping it a MUST

Allan Thomson

[Covered the Github Issue 38 – Described two use cases]

- Should we allow Delete on the object by ID endpoint. Previous discussions have indicated that yes we should, but the editors want to confirm.
- Request from Allan Thomson
- Github Issue 38

Bret Jordan

We talked about this on an earlier call – We are bringing it up to see  
If any discussion

Drew Varner

I think this is a good idea – But, there are nuisances in object versions and revocations

Bret Jordan

I think we could think through these in the updates. Then, we can bring it to  
Rest of the TC for comments

Drew Varner

[Gave another example of how it would work]

Bret Jordan

[Discussed updates]

Jane, please record that I think we have consensus

Notes from Chat on this issue:

From jmg to Everyone: 12:28 PM  
as long as it is enforced in the interop spec...  
(must in the interop on the respective profiles)

From jordan to Everyone: 12:28 PM  
yes, it will

From Allan Thomson to Everyone: 12:30 PM

i think we will want both options  
object regardless of version  
object specific version

From Jeff Mates to Everyone: 12:31 PM

in any collection or a specific one?

From Allan Thomson to Everyone: 12:31 PM

all operations are done in the context of a collection(s). delete operation should be consistent

From Jeff Mates to Everyone: 12:32 PM

also, how does it verify permissions on objects?

From Allan Thomson to Everyone: 12:35 PM

yes

a non-publisher can't delete someone else's content

an admin role may be implemented and is a product choice where that admin can do whatever they want. I don't believe that is necessary to add to the taxii server spec

From jmg to Everyone: 12:35 PM

IMO, who posted/published to the collection doesn't matter. if the TAXII server wants to allow any random person to delete (depending upon permissions it decides), it should allow it.

Jeff Mates

*[Described more of the nuisances he sees in how to implement]*

Bret Jordan

I think that the only person that can delete it should be the person that created object

Drew Varner

*[Explained issues around adding HTTP2 to ver. 2.1]*

- \* Should we add support for HTTP2 as a "MAY" for this stage of the specification?
- \* Request from Drew Varner
- \* Github Issue 46

Allan Thomson

I think we should table until ver. 2.2 – We should have a strong business case for this

Bret Jordan

Asked for further comment – Suggested that we add for Ver. 2.2

Jason Keirstead

I just took a look and we don't actually REQUIRE a version

Allan Thomson

Pointed out that HTTP1 is in the examples

Jason Keirstead

If we use HTTP2 we may need to revisit some of the language currently in the spec  
HTTP2 has that baked in

Drew Varner

*[Discussed difference]*

Bret Jordan

Confirmed that we will table until Ver. 2.2

Bret Jordan

One of my asks – I'd like to add a Versions Endpoint – I don't care how to do it

## Add a Versions Endpoint

- Should we add a versions endpoint (manifest resource) to the Object by ID endpoint to allow clients to get summary information about all of the versions of an object that the server knows about.
- `/<api-root>/collections/<id>/objects/<object-id>/versions/`
- Request from Bret Jordan
- Github Issue 37

Jeff Mates

*[Outlined some questions he had on how to implement this]*

Bret Jordan

*[Outlined how he would implement as an example]*

Allan Thomson

This would be a MAY support – Not a MUST, right?

Bret Jordan

*[Talked about how it is handled in the Spec]*

I haven't implemented it yet – but, I will try it first – before adding it

We'll document that we will move forward with that

Bret Jordan

I want to revisit the Synchronous POSTs issue

- Sections 4.3.1 and 5.4
- Allow TAXII to respond with just a 200 (OK) without a Status resource instead of a 202 (Accepted) and a Status resource.
- Request from Bret Jordan
- Github Issue 71

*[Went over – Return a 202 Accepted with a Status Resource – then return a 200]*

Allan Thomson

That would be a Breaking Change, right?

Bret Jordan

Yes, whoever is writing the code would need to provide that return

Jason Keirstead

I'm not sure what we are getting here

Bret Jordan

It is a little more elegant

Allan Thomson

But, it is not simpler – you would have to write more code

Bret Jordan

*[Explained more on how it would be implemented]*

Mark Davidson

Asked a question about the additional code

Bret Jordan

*[More discussion on the topic]*

Allan Thomson

Gave an alternative logic – Preferred this as a way to handle individual errors

Bret Jordan

The server could be either one – depending on how architected

*[Gave an example where there is a savings on the processing demand on the clients]*

Allan Thomson

So, this is a performance optimization

Bret Jordan

Exactly – especially for the clients

Drew Varner

I think it works good enough – I think it should be left alone

Bret Jordan

*[Explained how much it would work]*

Drew Varner

Failure count vs. Failure count

Mark Davidson

*[Gave example of a high-volume transfer]*

Nicholas Hayden

We've experienced this on the Anomoli side with Limo

Bret Jordan

Some of you may not have experienced this – but, if you have a significant number  
Of Endpoints

Allan Thomson

Optional Suggestion – Not offer if Count = '0'

Marlon wanted to return additional data for his Status Resource

For his implementation he'll probably do it

Bret Jordan

*[Recapped Allan's alternate way for achieving Bret's need, and still keep consistent]*

Recapped Working Draft 03 Changes

Talked about TAXII Authentication Requirement

Adding Delete Capability

Support for HTTP2 – We'll hold off on until 2.2

On Synchronous Posts – We'll implement Allan's alternative suggestion

Meeting Terminated

\*\*\*\*\*