# TAXII Working Call2019-07-16

### TAXII 2.1 Status

- 2019
- TAXII 2.1 Working Draft 06 was released on January 24th, 2019
  - Observable changes
  - We added a change to address this in Working Draft 07
  - We are currently at TAXII 2.1 Working Draft 07

### TAXII 2.1 Working Draft 05 was approved as CSD02 on December 15, 2018

TAXII 2.1 CSD02 went to public review from December 15th - End of January

There was an objection due to not addressing the yet-to-be decided Cyber

### TAXII 2.1 Status

about pivoting

After we decide this, we can ship TAXII 2.1

### During the last F2F basic querying functionality came back up, specifically

## Search / Query Proposals

- We have had three very different proposals
- full TAXII query
- Option 3: Marlon's proposal to expand the filtering URL parameters

Option 1: Jason's and Terry's proposal for a query resource object to allow

Option 2: A lightweight TAXII endpoint to allow pivoting on relationships

## Option 1 - Full Query

- Create one or more search endpoints like
  - {api-root}/collections/{id}/search/
  - {api-root}/search/
- object/resource"
- queries would be allowed and how would they be structured.



### These endpoints would accept some sort of "query or information-request"

This object / resource would need to be fleshed out, including what types of

## Option 2 - Relationships

- Create an endpoint like:
  - {api-root}/collections/{id}/relationships/related/{stix-id}/
- (source\_ref = stixid || target\_ref = stixid)

This would result in a simple database query and URL filtering logic. This would follow the same URL filtering and path design we already have.

Pseudo SQL code: select \* from table-objects where type=relationship &&

### Strengths

- future. Might work for TAXII Channels.
- present his idea again.

Option 1 - Might allow all of the query options that we would need in the

Option 2 - This is something we could do in a matter of days not months. Option 3 - Somewhat straight forward, but we would need Marlon to

### Weaknesses

- feature to add this late in the release cycle.
- It only solves one use case.
- searching / query

Option 1 - It will take some time to get right (6-12 months) and we may still release something that needs to be refactored later on. This is also a big

Option 2 - It does not address all of the things we need out of TAXII Query.

Option 3 - Similar to Option 2 but conflates filtering parameters with

Opportunities

We could address a key need in more useable version of TAXII

If we can address this sooner rather than later, we can get a more solid TAXII solution in to the market in the near term.

### We could address a key need in the market and give organizations a

- Threats / Risks
  - deemed as still not-yet-viable for production use.
  - viable for production use.
  - This could put pressure to release TAXII 2.2 rapidly

TAXII 2.1 without the ability to at least query for a relationship might be

TAXII 2.1 without full blow query might also be deemed as still not-yet-

### TAXII Scheduling Options

- A: We do option 1 and delay TAXII 2.1
- B: We only do option 1 but do it in TAXII 2.2+
- C: We do option 2 now for TAXII 2.1 and look at option 1 later
- E: Try to find a merged solution

D: We do nothing now, ship TAXII 2.1, and address all of this at a later time