

# WoT Protocol Bindings

Overview of Issues and Next Work Items

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# Goal of Protocol Bindings

What is everyone expecting from Protocol Bindings?

- [Issue 6](#) and [Issue 3](#)

My view: How does an interaction minus forms translate to forms

# Interest Overview

The [first issue](#) was created to collect the interest in protocols

- Different protocols to support
- Different use cases of the pub-sub pattern

Are these lists still relevant?

*Aiming only vanilla MQTT, CoAP and HTTP*

# Different types of Issues

- Payload
- Concrete Protocol
- Pseudo-protocol
- Others (mostly editorial)

# Payload Types

- XML conversion = done
- CBOR = Not done, [Issue 8](#)
- Other conversions?
  - EXI
  - text/plain

We need more  
Experimentation on XML  
conversion

# Concrete Protocol

- MQTT, describing connection to broker, [Issue 14](#)
- MQTT Binding Vocabulary: Issues [46](#), [72](#), [74](#), [78](#)
- CoAP Multicasting: [Issue 43](#)
- CoAP Method Name: number, word etc.: [Issue 47](#)
- CoAP payload size for blockwise transfers:  
[Issue 49](#)
- OPC-UA: [Issue 42](#)

# Pseudo-Protocol

- Interacting with interaction results: [Issue 15](#)
- Defining Webhook: [Issue 40](#)
- Web Thing Protocol from Mozilla Proposal
  - CoAP over WS
- Arena Webhub → websockets, sse

# Pseudo-Protocol

## Issue 2

Mapping read, write to protocols but there is also a mention of updating and deleting. Why these were not taken into consideration? For example:

"Update task:" is mapped to "PUT (on handle resource)"

"Cancel task" is mapped to "DELETE (on handle resource)"



# Other Issues

- Reviews from Michael Lagally: [Issue 21](#)
  - Seems to have still relevant issues
- (Easy) Meaning of Platform: [Issue 53](#)
- (Easy) Read/WriteXproperties: [Issue 59](#)
- (Easy-ish) Restructuring introduction: [Issue 62](#)
- (Easy) Restructuring Vocabulary Tables: [Issue 73](#)

# Next Work Items

Publishing or not?

Will be published since the current working draft has old TDs

# Next Work Items

Ege: I will do editorial Issues, MQTT Binding

I need help with OPC-UA, CoAP and CBOR

We need discussion on behavior description

For CoAP and CBOR, we should  
Get the opinion of the experts in  
IETF meeting in Singapore