

COSE Profiles

Henk Birkholz

[<draft-fossati-cose-profiles@ietf.org>](mailto:draft-fossati-cose-profiles@ietf.org)

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Observation #1

- COSE is big
- COSE has a lot of options
- Two COSE implementations that want to interoperate require an agreement on which subset of COSE features they will use

Observation #2

- No cohesive typing primitive for COSE messages exists
- Using outer tagging does not help
 - not covered by crypto

COSE Profiles (what)

We want to have a way to explicitly communicate:

- What is this “COSE thing”, *exactly*?
- What COSE features do I need to understand in order to process this “COSE thing”?
- (and, of course, do that securely)

COSE Profiles (how)

Define a new “profile” (protected) header parameter:

```
COSE-profile = registered-profile /  
              oid-profile /  
              uri-profile /  
              cri-profile /  
              uuid-profile
```

Define *clear* rules for describing the profile

Overlaps & adjacencies

- Relation to JOSE's typ
- Relation to media types
- Relation to EAT profiles

Next Steps

Think harder, think wider