

# Applying COSE Signatures for YANG Data Provenance

draft-lopez-opsawg-yang-provenance

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# News on Prov·e·nance | nōōz än 'prävən(ə)ns |

- Progressing with the reference implementation
  - An annex has been included in the draft with examples generated by it
  - Three of the *enclosing methods* already implemented, for XML
  - Work ongoing on completing the implementation
    - Enclosing methods and encodings
  - Considering a demonstration for next Hackathon
    - Looking for software to integrate with
- Considering other use cases
  - Accountability and auditability
  - Concurrency
  - Integration with pub/sub and time series DBs
- And additional enclosing methods
  - As required

# The Hosting Issue

- There seems to be interest in the proposed approach
- But no agreement on where it belongs
  - Introduced to NETMOD (at 119)
  - Introduction proposed to NMOP (no slot available at 120)
- We believe it addresses an operational issue
  - It does not model network devices or elements
  - It is not associated with a particular transport
  - But enables a better usage of monitoring and control
  - And that is way we consider different *enclosing methods*
- Therefore, we plan to request OPSAWG adoption
  - Once the reference implementation is ready, at least for XML encoding
  - And open to discuss the gory details
    - And a practical integration for the next Hackathon