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