

# Meeting Objectives

1. Integrating EXI into existing XMLSec stack
2. Impact of EXI on future versions of XMLSec

# Integrating EXI into XMLSec

- Premises:
  - XMLSec defines transform on XML infosets
  - EXI exchanges XML infosets

# Integrating EXI into XMLSec

- Encoding:
  - \_ Use XMLSec to transform infoset **Inf** into **Inf<sub>sec</sub>**
  - \_ Use EXI to write **Inf<sub>sec</sub>**
- Decoding:
  - \_ Use EXI to read **Inf<sub>sec</sub>**
  - \_ Use XMLSec to transform **Inf<sub>sec</sub>** into **Inf**

# Integrating EXI into XMLSec

- Observations:
  - EXI preserve options important for **Inf<sub>sec</sub>**
  - XML tools needed to produce/consume **Inf<sub>sec</sub>**
  - Amdahl's law: XMLSec dominant factor

# Impact of EXI on XMLSec.next

- Battling Amdal's law:
  - Canonical EXI (no need for XMLSec.next)
  - Encrypting EXI fragments
    - Need more than Type attribute in encryptedData
  - Other ideas?