Update: XML Signature and friends

IETF 69 Chicago

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Canonical XML 1.1

- Sort out xml: namespace related problems in C14N 1.0

- W3C XML Core Working Group

- W3C Candidate Recommendation as of 21 June

- http://www.w3.org/TR/xml-c14n11/

- Interoperability meeting: 27 September, Mountain View, Calif

XML Signature Syntax and Processing, 2nd ed

- Errata tracking

- Fold in C14N 1.1

- W3C XML Security Specifications Maintenance WG

- Work mostly finished

- Expect publication as Proposed Edited Recommendation once C14N 1.1 is in PR

- http://www.w3.org/2007/xmlsec/Drafts/ xmldsig-core/

XML Signature, 2nd ed

- DName encoding rules
  - switch reference from RFC 2535 to RFC 4514
  - clarify conformance model for augmented rules
- XPointer normative reference
  - xmldsig-core normatively references a failed 2001 Candidate Rec for XPointer, ooops...
  - rephrase current behavior in terms of actually adopted standards
  - no conformance-affecting changes
- Updated URI spec: beware of different same-document reference definitions

Decryption Transform for XML Signature

- Changes mostly analogous to C14N1.1 / xmldsig-core

- Very little use and implementation out there
  - if you use this spec, corner me during the week

- Current plan:
  - Last Call WD really soon now
  - Candidate Rec after a few weeks
  - See if anybody wakes up

What Next? Workshop!

- W3C Workshop on Next Steps for XML Signature and XML Encryption

- 25/26 September, Mountain View, Calif

- Position papers are mandatory for participation
  - 1-5 pages
  - due date: 14 August

- http://www.w3.org/2007/xmlsec/ws/

Expected topics, among others

- dark corners of xmldsig-core, and other experiences / lessons learned in the last 5 years

- use cases that aren't usefully addressed?

- interoperability and robustness issues

- efficiency

- Efficient XML Interchange

- XML 1.1

- ...

Expected Workshop output

- Workshop report
  - we'll aim to have it in early November
- Ideally:
  - community consensus on future directions
  - chartering directions for one or more working groups?

Summary

- Workshop
  - 25/26 September, Mountain View, Calif.
  - http://www.w3.org/2007/xmlsec/ws
  - Position papers due 2007-08-14
- C14N1.1
  - Candidate Rec through end of September
- xmldsig-core
  - Editor's draft at: http://www.w3.org/2007/xmlsec/drafts/xmldsig-core/
  - PER and Internet-Draft depend on C14N1.1

Questions?

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I'm around through lunch-time on Friday.