AD Review Updates

• Primary update:
  • add mapping from RFC9124 requirements to manifest features
  • Highlight missing requirements & direct to appropriate extension

• Some editorial updates
New discussion as of 2024-02-28

• Clarifications needed on expert review instructions
• Editorial fixes required:
  • Removal of nint from IANA section
  • Terminology additions
  • Update of references
• Use of URI References (RFC 3986)
  • Does this preclude UTF-8 & internationalization?
  • Change to IRI References (RFC 3987)?
• Should extension drafts have normative references in manifest draft?
Progress on discuss points

• Need WG input on internationalization points
• Will take some time—many editorial updates
• Normative references to extensions will create a cluster.
Separation of fetch & install

• The update procedure is notionally 2 sub-procedures:
  • Fetch (dependency resolution & payload fetch)
  • Install (candidate verification & installation)

• Important if fetch & install are in different trust domains
  • Multiple-trust-domains is where candidate-verification is defined
  • E.g. differential update in dedicated installer image
Candidate verification & install ordering

- SUIT command sequences are in numerical order
  - Simplifies pull parsing since parser doesn’t jump around
  - Candidate verification should come before install
  - Fetch is 16, install is 17

- Can we re-key install?
  - It’s very late for a change like this.
  - Need feedback from implementors.
  - Question has been posed to the list
    - no feedback except from requester of Candidate-Verification
Nearly there!