A Concise Binary Object Representation (CBOR)-based Serialization Format for the Software Updates for Internet of Things (SUIT) Manifest

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AD Review

- Roman provided a detailed review at [Suit] AD review of draft-ietf-suit-manifest-22
- Addressed some of his feedback in https://github.com/suit-wg/manifest-spec/pull/84
- Recorded issue list. Help required addressing all of the comments.
• Matching features against requirements
• Relevant security considerations from RFC9019/RFC9124
• Access Control Models: Which have standardized behaviors?
• Signature recomputed if an element is severed
• Unloading the manifest processor
• suit-parameter-soft-failure reset ?
• Parallel processing
• Quantitative or qualitative guidance on what "small" or "large" means
• reporting policy
• suit-invoke optional
• Create a {vendor-id, class-id} condition
• Human-readable Text
• Digest
• Authentication Blocks
Open issues, cont.

- Triggering a halt to parallel processing
- Advanced Recipients
- Behavior of each command
- Section 6.4. Editorial
- Fallback/recovery
- Verifiably correct system state
- Catching non-malicious manifest corruption
- Ignoring the expensive signature check
- Permission model associated with signatures