# draft-moran-suit-trust-domains-00 

IETF112 online
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## Summary

- Export of metadata from draft-ietf-suit-manifest
- Contains:
- Delegation Chains
- Dependencies
- Integrated dependencies
- Multiple SUIT processors
- Unlink directive


## TEEP Dependency

- TEEP depends on this draft for:
- Dependencies
- Unlink
- Contributors welcome!


## Delegation Chains

- List of:
- Lists of:
- CBOR Web Tokens with Proof of Possession claim
- Manifest Processor starts at first CWT in each list
- Should be authenticated by a trust anchor
- Should provide authentication information for next CWT
- If subject is unknown, verify signature
- If subject is known, skip ahead
- Each CWT authenticates next CWT
- Last CWT in each list provides the public key to verify a manifest signature


## Dependencies

- Originally a fundamental component of SUIT
- Heavily influenced the design of SUIT
- Allows multiple authorities to coordinate releases of independently signed manifests
- The Process Dependency directive enables a dependent to specify when to handle a dependency's commands at a per-sequence granularity
- Required to support encrypted manifests


## Integrated Dependencies

- A dependency is placed in the SUIT envelope.
- Typical use is likely to be for encrypted manifests
- Integrated Dependencies are referenced by tstr, the same as any other integrated payload


## Multiple SUIT processors

- Used for multiple, mutually distrustful processors in a single device
- E.g. radio module with firmware in loT device
- Dependency prefix is used to identify the subordinate processor
- Dependency manifest is passed to the subordinate processor along with any parameters for components matching the dependency prefix
- Status information is returned (e.g. SUIT Report)


## Unlink directive

- Explicitly state that a manifest no longer depends on a specific component
- Used in TEEP to delete TAs


## Open Issues

- No running code for:
- Delegation
- Multiple Manifest Processors
- Integrated Dependencies
- Is the use of CWTs correct?
- Contributors welcome!

