CDNI Metadata

draft-ietf-cdni-metadata-19

IETF 96

Kevin J. Ma
Ben Niven-Jenkins
Rob Murray
Matt Caulfield

Updates Since IETF 95

- Six new revisions: -14, -15, -16, -17, -18, -19
  - Removed ".v1" and clarified "versioning" text
  - Added more threat text to Security Considerations
  - Aligned TLS MUST text with triggers/logging
  - Added text to clarify URI Signing will be the Auth type
  - Added/updated references and examples
  - Editorial updates (nits, grammar, typos, etc.)

  - Need to verify all Alexey's comments are addressed

Author Decisions Since IETF 95

- Removed CDNI Metadata Auth Type registry
  - Auth objects with have a registered ptype
  - A duplicate Auth object registry seemed unnecessary
  - Does the WG agree with the registry removal?

- Maintained default deny for ACL objects
  - Alissa brought up that allow is the more likely case for list entries, since we deny if nothing in the list matches
  - Having a default allow would likely reduce the size of the JSON, but could be more error prone, allowing access when someone errantly omits the action
  - Does the WG prefer optimizing for size or security?

Open Issues

- Structural Metadata Versioning
  - Generic Metadata has a generic-metadata-type field which carry's the ptype in the JSON, however, Structural Metadata may be embedded within other structural metadata
    - The HostIndex is the outer-most object, and it's ptype is carried in the Content-type of the HostIndex request
    - Structural metadata embedded with the HostIndex (i.e., HostMatch, HostMetadata, PathMatch, PathMetadata, and PathPattern) are not explicitly typed, unless referenced by a Link
- Options:
  - Mandate linking so the ptype will be in the JSON payload?
  - Require that Structural Metadata be versioned together?
  - Other/Ignore?

Next Steps

- Close on final questions/edits

- Ready for publication