“ni” names

draft-farrell-decade-ni
draft-hallambaker-decade-ni-params

IETF-84, DSII BoF

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Basic Idea/Scheme

- ni names specify a way to include a hash output in a URI
  - Allows but doesn't force, name-data integrity
  - Should enable a lot of things
- "base" draft defines:
  - URI type: niname ="ni://" [ authority ] "/" alg ";" val [ "?" query ]
  - How to map to/from HTTP URIs via .well-known
  - Binary format
  - "nih" Human "speakable" format
- Examples:
  - ni:///sha-256;B_K97zTtFuOhug27fke4_Zgc4Myz4b_IZNgsQjy6fkc
  - ni://example.com/sha-256;B_K97zTtFuOhug27fke4_Zgc4Myz4b_IZNgsQjy6fkc
  - http://example.com/.well-known/ni/sha-256/B_K97zTtFuOhug27fke4_Zgc4Myz4b_IZNgsQjy6fkc
Parameters Draft

- “params” draft defines optional, “advanced” stuff
  - Dynamic content handling
  - Additional locators
  - Decryption key
- Intent is that whatever gets rough consensus as being generally useful would go in base, other stuff in params
  - But strong preference amongst authors to do both at once, even if most consumers of this only want to depend on base draft