Content Delivery Network Interconnection (CDNI) Request Routing: CDNI
Footprint and Capabilities Advertisement using ALTO

draft-ietf-alto-cdni-request-routing-routing-alto-12

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Current Status

Progress:

● Closely worked with *Unified Properties* and followed its latest updates

Changes from -11 to -12:

● Make the new service easier adapt to other CDNI interfaces beyond FCI
  ○ application/alto-cdnifci+json -> application/alto-cdni+json
  ○ cdni-fci -> cdni-advertisement

● Updated Unified Properties related section
  ○ Clearly defined new entity domain types and new entity property type
We generalized media types and attribute names of the new services to make FCI a special case.
Dependency on Unified Properties

- Representing Footprint Objects as Property Map Entities
  - ipv4cidr, ipv6cidr -> ipv4, ipv6
  - altopid -> pid
  - New entity domain type: asn, countrycode

- Representing CDNI Capabilities as Property Map Entity Properties
  - New entity property type: \texttt{cdni-capabilities}
  - \textbf{Defining information resource media type} for property type \texttt{cdni-capabilities}: \texttt{application/alto-cdni+json}
    - Refer to \textbf{Sec 4.7} of draft-ietf-alto-unified-props-new-12
Next Steps

● Follow UP and move to next stage