

CDNI Request Routing: Footprint and Capabilities Semantics

draft-ietf-cdni-footprint-capabilities-semantics-06

draft-ma-cdni-capabilities-07

draft-seedorf-cdni-request-routing-alto-08

IETF 92

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and all authors

draft-ietf-cdni-footprint-capabilities-semantic-06

- Adressed all comments raised in review by Iuniana
 - Polished text, references etc.
 - Reminder: Decision on ML regarding registries and dependencies with other CDNI interface specifications
 1. The MI/LI/RI/CI drafts remove any place holders for FCI discussion. OK
 2. The FCI semantics draft will define the template for FCI objects. OK
 3. The FCI semantics draft will define a registry for FCI objects. OK (some changes)
 4. We will publish separate RFCs describing capability advertisement for MI/LI/RI/CI. The FCI objects defined in these RFCs will be registered in the FCI object registry created by the FCI semantics draft. OK (some changes)
- > Ready for WGLC, if WG fine with changes (next slide)

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OLD:

The following table defines the initial capabilities for the standard partition:

Capability	RFC
application/cdni.FCI.RedirectionMode.v1	RFCthis

*MIME Types
vs. Registries*

NEW:

IANA Considerations

This document requests the registration of the following MIME Media Types under the IANA MIME Media Type registry (<http://www.iana.org/assignments/media-types/index.html>).

application/cdni.FCI.DeliveryProtocol.v1+json

Type: List of Protocol Types (from the CDNI Metadata Protocols registry [[I-D.ietf-cdni-metadata](#)])

application/cdni.FCI.AcquisitionProtocol.v1+json

Type: List of Protocol Types (from the CDNI Metadata Protocols registry [[I-D.ietf-cdni-metadata](#)])

application/cdni.FCI.RedirectionMode.v1+json

Type: List of Redirection Modes (from [Section 8.1](#))

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Issues/Discussion

- WG aware and fine with these latest changes (MIME Types vs. Registries)?
- Registries spread over Semantics and Metadata Documents
 - Probably confusing for implementers
 - Probably should still proceed as is at this point in time

draft-ma-cdni-capabilities-07

- Syntax changed to MIME types
- Example on next slide

CDNI FCI Capabilities Example: Delivery Protocol

```
HTTP/1.1 200 OK
Content-Length: 439
Content-Type: application/alto-fcimap+json
{
  "meta" : {
  },
  "fcimap": [
    { "name": "delivery_protocol",
      "values": [
        "HTTP",
        "RTSP",
        "MMS"
      ]
    }
  ]
}
```

OLD

```
]
},
{ "name": "delivery_protocol",
  "values": [
    "RTMP",
    "HTTPS"
  ],
  "footprint": [
    { "type": "IPv4CIDR",
      "values": [
        "10.1.0.0/16",
        "10.10.10.0/24"
      ]
    }
  ]
}
]
```

```
HTTP/1.1 200 OK
Content-Length: 623
Content-Type: application/alto-fcimap+json
{
  "meta" : {
  },
  "fcimap": [
    { "type": "application/cdni.FCI.DeliveryProtocol.v1+json"
      "value": {
        "delivery-protocols": [
          "HTTP1.1"
        ]
      }
    },
    { "type": "application/cdni.FCI.DeliveryProtocol.v1+json"
      "value": {
        "delivery-protocols": [
          "HTTPS1.1"
        ]
      }
    }
  ]
}
```

NEW

```
]
},
{ "type": "IPv4CIDR",
  "values": [
    "10.1.0.0/16",
    "10.10.10.0/24"
  ]
}
]
```

draft-seedorf-cdni-request-routing-alto-08

- Minor changes to refer to overall changes in semantics draft
 - Now refers to 'FCIBase' object in Semantics Draft
- Syntax not adapted to latest changes (yet)
 - Waiting on confirmation from WG that this is the right way to go

Acknowledgements

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