



One Data Model Weekly Teleconference Agenda and Content

November 28, 2022



Agenda

- Welcome
- Updates and calendar
 - CoRE Interim 7 Dec
 - T2TRG 12 Dec
 - ASDF interim ?
- Links and Relations discussion – goal is to drive consensus
- AOB



SDF Relations and Links

- SdfRef is explicitly compositional and points only to SDF definitions
 - SdfFrom is proposed as a "breadcrumb" to memorize where a definition was sourced from (c.f. SDFrelation)
- SdfRelation is proposed as a general purpose definition-time relational link for SDF definitions
 - Including SDF references, but also web hyperlinks and RDF style links, property graphs
- We still need to define a way to model application-specific links that are provided by CoRE Link-Format, OCF, LWM2M, etc. to construct applications



SdfRelation

- <https://www.ietf.org/archive/id/draft-laari-asdf-relations-00.html>
- Defines relation target, relation type, relation properties, target attributes, and cardinality, plus a mutability hint.
- Are there any identified gaps wrt. the use case including SDF, RDF, Hypermedia, and other similar target types?
- Can SdfRelation provide the breadcrumb for constructors?
- What are the remaining issues?



Application-specific links

- <https://github.com/t2trg/wishi/wiki/NOTE:-Link-information-for-data-models>
- Model CoRE Link-Format, LWM2M, RDF, and other links that are used to construct application graphs and similar structures.
- Different types of links express different constraints, e.g. LWM2M "Object Link" vs. a resource link
- We need both a consistent abstraction for these links, and mappings to specific data models (LWM2M, etc.)
- Can SdfRelation provide the abstract description and constraint vocabulary?



Teleconference

One Data Model

Scheduled: Nov 28, 2022 at 8:00 AM to 9:00 AM, PDT

Location: Meeting URL:

<https://openconnectivityfoundationinc.my.webex.com/meet/admin41>

Access code: 2553 448 8730

Join by phone

+1-650-479-3208 United States Toll

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