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WebAPIv3_Overview

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Overview
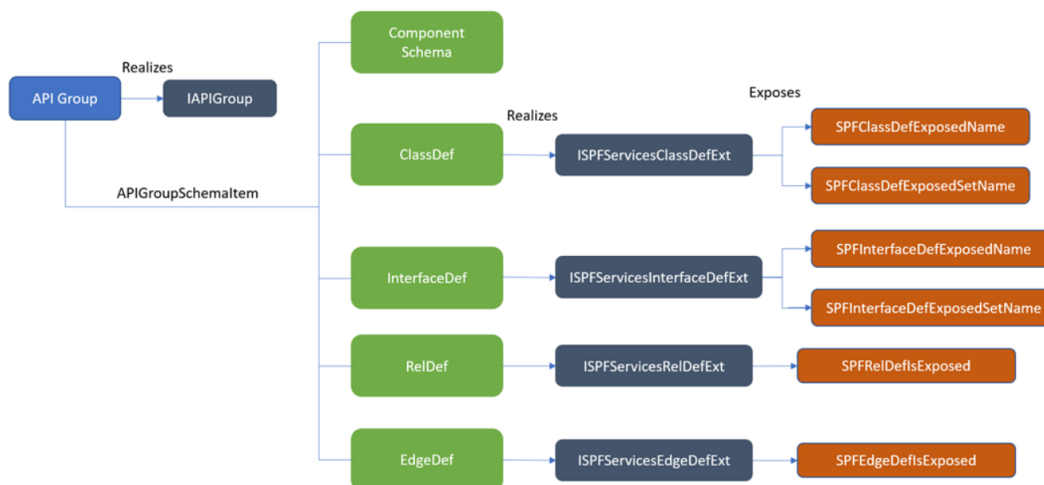
- Example Model
- Example API Usage

The SPF/SDx v3 Web API provides:

- Consistency/Compliancy with Hexagon OData standards
- Discoverable data definitions and vocabularies
  - Metadata generation is via the Smart API SDK
- Entities are exposed with full object properties (strutural and navigation properties)
- Create/Update/Delete operations on exposed entities
  - The v2 Web API only allowed these operations via the Objects end-point

ClassDef and *InterfaceDef* types can be directly exposed to the v3 API, via the *ISPFServices[ClassDef|InterfaceDef]Ext* interface, and grouped via *APIGroup* SPF objects. The entity single and set names are configurable via properties on the *ISPFServices[ClassDef|InterfaceDef]Ext* interface. *ComponentSchema* instances can also be related to an *APIGroup*, which will exposed all componentized *ClassDefs*.

Entities can be accessed using the APIGroup and relevant entity alias in the URL path.

i.e. .../api/v3/*[APIGroup]*/*[ClassDef|InterfaceDefAlias]*

- For an example of the model changes required to expose Groups, Class and Interface Definitions - See Example Model
- For example of using the Web API v3 to Query, Create, Update and Delete objects - See Example API Usage

There are various request headers that affect behaviour of the Web API, these are described here.