API Producer Guidelines

These guidelines are provided to properly document, design and implement a REST API.

They are organized into 5 **themes** as point of views that will be the focus of distincts peoples.

Data rules focus on **what and how** APIs expose and manage our business data.

Data Officers will have a focus on this rules.

As of June 2019, only few rules are part of this theme, but it will get more rules with the deployment of Data Governance tools.

> ### ℹ Hint
>
> Not all these guidelines apply to your perimeter !
>
> see SG Group API Guidelines and SGM API Wholesale Guidelines first.

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Ensure that the information provided in the API's Catalog "Information" page contains meaningfull insight regarding the data it expose and/or manage.

Noticeably, the name of the API itself contains the main business object of the API.

For Wholesale MARK activities, the "Asset Classes" fields allows to quickly expose a data perimeter.

Documentation¶

Your API specification (OpenAPI) expose the in/out data managed by your API.

Document fields¶

For each field (object property in swagger wording) on input and output body :

- Document its meaning if it is not self-explaining

- Explicit the default value

- Explicit the format (e.g. for dates)

- Provide a sample value to help understand and simplify testing

```yaml
components:
  schemas:
    User:
      type: "object"
      properties:
        email:
          type: "string"
          description: "The email"
          readOnly: true
        name:
          type: "string"
          description: "The name"
          readOnly: true
        department:
          type: "string"
          description: "The department"
          readOnly: true
```

API-253	manual	**Document fields**	
Each API field (aka object property) has meaningful description or its name is self-describing enough			Documentation

API-254	manual	**Explicit the defaulting logic**	
Each optional input fields is clear on the behavior when it is not set : value stays empty or is defaulted somehow			Documentation

API-255	manual	**Explicit field format**	
Each field with potential limitations explicits its format using openapi's formats, min/max and regexp when needed			Documentation

API-256	manual	**Provide sample value**	
Each field has a valid sample value			Documentation