TM Forum Specification

Privacy Management API Conformance Profile

TMF644B

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Notice

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INTRODUCTION - API DESCRIPTION

The Privacy management API provides a standardized mechanism for privacy profile types, privacy profiles and privacy agreements such as creation, update, retrieval, deletion and notification of events.

RESOURCE MODEL CONFORMANCE

API MANDATORY RESOURCES

The following table indicates the mandatory resources for this API.

Resource Name	Comment
PartyPrivacyProfileSpecification	
PartyPrivacyProfile	

General Notes on Resource Attribute Conformance

There are three situations that could occur for an attribute:

o   Mandatory attribute,
o   Mandatory attribute if the optional parent attribute is present,
o   Non-mandatory/Optional attribute. Those are all the other attributes not mentioned in the following subsections. Please refer to the corresponding API REST Specification for more details.

- The tables in the subsections below indicate which attributes are mandatory including mandatory when an optional parent is present.
- Where a resource is an input into an API (e.g. POST, PATCH), Mandatory means that the attribute value must be supplied by the API consumer in the input (and must not be blank or null).
- Where a resource is an output from an API (e.g. GET, POST), Mandatory means that the attribute value must be supplied by the API provider in the output (and must not be blank or null).
- For a sub-resource that is not an array, Mandatory (cardinality 1..1) means that the sub-resource must be present, while Optional (cardinality 0..1) means that the sub-resource may be absent. Mandatory and Optional on the sub-resource attributes apply to the sub-resource if present.
- For a sub-resource that is an array, Mandatory (cardinality 1..*) means that at least one sub-resource must be present in the array, while Optional (cardinality 0..*) means that the array may be absent. Mandatory and Optional on the sub-resource attributes apply to each of the sub-resources if present.

In this table are listed all mandatory attributes. A mandatory attribute MUST be retrieved in resource representation when no attribute selection is used (e.g. GET /../{id}) without any attribute selection

When an attribute is listed with an indentation (in second column) it means this attribute is mandatory if root (parent) attribute is present.

PartyPrivacyProfileSpecification Resource Mandatory Attributes

Mandatory attribute when parent is present		Rule
href		M (in response messages)
id		M (in response messages)
partyPrivacyProfileSpecCharacteristic		M Array of PartyPrivacyProfileSpecificationCharacteristic
partyPrivacyProfileSpecCharacteristic.allowedRole (if present)		Array of RoleSpecification
	name	M
productOffering (if present)		Array of ProductOfferingRef
	id	M
applicableRole (if present)		Array of PartyPrivacyRoleSpecification
	name	M
applicableRole.agreementSpecification (if present)		Array of AgreementSpecificationRef
	id	M
relatedParty (if present)		Array of RelatedParty The role attribute is not mandatory because the id could be a partyRole id. In this case @referredType must indicate the partyRole (example User, Customer, etc.). If the id is a Party id then a role must be provided.
	@referredType	M
	id	M

PartyPrivacyProfile Resource Mandatory Attributes

Mandatory attribute when parent is present		Rule
href		M (in response messages)
id		M (in response messages)
partyPrivacyProfileSpecification		M
	id	M
agreedByParty		M The role attribute is not mandatory because the id could be a partyRole id. In this case @referredType must indicate the partyRole (example User, Customer, etc.). If the id is a Party id then a role must be provided.
	@referredType	M
	id	M
partyPrivacyProfileCharacteristic		M Array of PartyPrivacyProfileCharacteristic
	name	M
	value	M
partyPrivacyProfileCharacteristic.relatedParty (if present)		Array of RelatedParty See conditions for RelatedParty at agreedByParty
agreement (if present)		
	id	M

API OPERATIONS CONFORMANCE

For every single resource the following tables includes mandatory operations.

PartyPrivacyProfileSpecification Mandatory Operations

The following table indicates which ones are mandatory for the PartyPrivacyProfileSpecification resource:

Uniform API Operation
GET

PartyPrivacyProfile Mandatory Operations

The following table indicates which ones are mandatory for the PartyPrivacyProfile resource:

Uniform API Operation
GET
POST

API GET OPERATION CONFORMANCE

All the GET operations in this API share the same status code pattern.

GET	Mandatory/Optional
Response Status Code 200 if successful	M
Response Status Code 404 if not found	M

Definitions for Filter

The following definitions apply to all the GET operations:

- Filtered Search: A filtered search can be applied using query parameters to obtain only the resources that meet the criteria defined by the filtering parameters included in the query request. Several elements can be applied to the filtered search. In that case logic, a logical AND is applied to combine the criteria (e.g.:?severity=<value>&status=<value>).
- Attribute selection (Limiting Response Data): In order to limit which attributes are included in the response, the GET request can include the ?fields= query parameter. Only those attributes whose names are supplied in this parameter will be returned. Attribute selection capabilities are the same for collections retrieval and individual resource queries.
- Level: The filtering and attribute selection can apply to the top level properties (attributes) and subproperties. The tables below show which attributes need to be supported in top-level or contained resources.

GET /partyPrivacyProfileSpecification?fields=...&{filtering}

This operation list or find PartyPrivacyProfileSpecification entities

Attribute selection is mandatory for all first level attributes except for the href attribute.

Filtering on sub-resources is optional for all compliance levels

GET /partyPrivacyProfileSpecification/{id}?fields=...&{filtering}

This operation retrieves a PartyPrivacyProfileSpecification entity. Attribute selection is enabled for all first level attributes.

Attribute selection is mandatory for all first level attributes except for the href attribute.

Filtering on sub-resources is optional for all compliance levels

GET /partyPrivacyProfile?fields=...&{filtering}

This operation list or find PartyPrivacyProfile entities

Attribute selection is mandatory for all first level attributes except for the href attribute.

Filtering on sub-resources is optional for all compliance levels

GET /partyPrivacyProfile/{id}?fields=...&{filtering}

This operation retrieves a PartyPrivacyProfile entity. Attribute selection is enabled for all first level attributes.

Attribute selection is mandatory for all first level attributes except for the href attribute.

Filtering on sub-resources is optional for all compliance levels

API POST OPERATION CONFORMANCE

All the POST operations in this API share the same status code pattern.

POST	Mandatory/Optional
Status Code 201 if resource created	M

POST /partyPrivacyProfileSpecification

This operation creates a PartyPrivacyProfileSpecification entity.

The following table provides the list of mandatory attributes when creating an instance of the PartyPrivacyProfileSpecification resource, including any possible rule, conditions and applicable default values.

Mandatory Attributes	Rule
partyPrivacyProfileSpecCharacteristic	

POST /partyPrivacyProfile

This operation creates a PartyPrivacyProfile entity.

The following table provides the list of mandatory attributes when creating an instance of the PartyPrivacyProfile resource, including any possible rule, conditions and applicable default values.

Mandatory Attributes	Rule
agreedByParty	
agreedByParty.@referredType	
agreedByParty.id	
partyPrivacyProfileCharacteristic	
partyPrivacyProfileCharacteristic.name	
partyPrivacyProfileCharacteristic.value	
partyPrivacyProfileSpecification	
partyPrivacyProfileSpecification.id	

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Release History

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4.0.0	31-Jul-2020	Alan Pope	Final edits prior to publication