



Frameworkx Specification

Privacy Management API REST Specification

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Privacy Management API REST Specification

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INTRODUCTION

The following document is the specification of the REST API Privacy Management.

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

Privacy management API manages the following data resources:

- **Privacy Profile Type**
 - Privacy profile type represents a description for privacy profiles.
 - Main privacy profile type attributes are its identifier, name, description, version, last update, lifecycle status, validity period, characteristics and their values, related parties, applicable roles.
- **Privacy Profile**
 - Privacy profile represents the set of Privacy settings defined for a Party
 - Main privacy profile attributes are its identifier, name, description, date of creation, status, validity period, privacy profile type, characteristics values, agreement, the party who has agreed.
- **Privacy Agreement**
 - Privacy agreement represents the approval made by the Party about a Party Privacy Profile
 - Main privacy agreement attributes are its identifier, name, description, agreement period, initial date, completion date, document number, statement of intent, status, type, version, agreement specification, agreement items, engaged party, agreement authorization, characteristics, associated agreements, privacy profile and privacy profile characteristic values.

Privacy management API performs the following operations on privacy profile types, privacy profiles and privacy agreements:

- Retrieval of a privacy profile type, a privacy profile or a privacy agreement, or of a collection of them depending on filter criteria
- Partial update of a privacy profile type, a privacy profile or a privacy agreement
- Creation of a privacy profile type, a privacy profile or a privacy agreement
- Deletion of a privacy profile type, a privacy profile or a privacy agreement (for administration purposes)
- Notification of events:
 - privacy profile type create
 - privacy profile type update
 - privacy profile type delete
 - privacy profile create
 - privacy profile update
 - privacy profile delete
 - privacy agreement create
 - privacy agreement update
 - privacy agreement delete

SAMPLE USE CASES

Reader will find example of use cases using Privacy management API in “Open Digital Business Scenarios and Use Cases” document.

RESOURCE MODEL

Managed Entity and Task Resource Models

For every single resource managed by the API provide a JSON based representation of the managed entities and tasks.

PARTY PRIVACY PROFILE TYPE RESOURCE

A Party Privacy Profile Type represents a description for Party Privacy Profiles.

JSON representation of a Party Privacy Profile Type:

```
{
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfileType/103",
  "id": "103",
  "version": "1.0",
  "lastUpdate": "2013-04-19T16:42:23-04:00",
  "name": "Customer Mass Market Privacy",
  "description": "This is the customer mass market privacy",
  "lifecycleStatus": "active",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": "2013-06-19T00:00:00-04:00"
  },
  "relatedParty": [
    {
      "id": "1066",
      "href": "http://serverlocation:port/partyManagement/individual/1066",
      "role": "Profile Type Admin",
      "name": "James Smith"
    }
  ],
  "applicableRole": [
    {
      "role": "Customer"
    }
  ],
  "partyPrivacyProfileTypeCharacteristic": [
    { // ALWAYS example
      "id": "42",
      "name": "eMailAddress",
      "privacyUsagePurpose": "ADMIN",
      "description": "this is the email address privacy for internal ADMIN purpose",
      "privacyType": "Internal Purpose",
      "criticalityLevel": "low",
      "validFor": {
        "startDateTime": "2013-04-19T16:42:23-04:00",
        "endDateTime": ""
      },
      "partyPrivacyProfileTypeCharValue": [
        {
          "valueType": "string",
```

```

        "default": true,
        "value": "Authorized",
        "validityDuration": "Always"
    }
  ],
  "relatedRole": [
    {
      "role": "Administrator"
    }
  ]
},
{ // OPT-OUT example
  "id": "43",
  "name": "eMailAddress",
  "privacyUsagePurpose": "INFORMATION",
  "description": "this is the email address privacy attributes for internal
INFORMATION purpose",
  "privacyType": "Internal Purpose",
  "criticalityLevel": "low",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "string",
      "default": true,
      "value": "Authorized",
      "validityDuration": "Always"
    },
    {
      "valueType": "string",
      "default": false,
      "value": "Unauthorized",
      "validityDuration": "Always"
    }
  ],
  "relatedRole": [
    {
      "role": "Vendor"
    },
    {
      "role": "Employee"
    }
  ]
},
{ // OPT-IN example
  "id": "44",
  "name": "eMailAddress",
  "privacyUsagePurpose": "MARKETING",
  "description": "this is the email address privacy attributes for internal
MARKETING purpose",
  "privacyType": "Internal Purpose",
  "criticalityLevel": "high",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
},

```

```

    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Unauthorized",
        "validityDuration": "Always"
      },
      {
        "valueType": "string",
        "default": false,
        "value": "Authorized",
        "validityDuration": "3 months"
      }
    ],
    "relatedRole": [
      {
        "role": "Vendor"
      }
    ]
  },
  { // NEVER example
    "id": "45",
    "name": "eMailAddress",
    "privacyUsagePurpose": "RESEARCH",
    "description": "this is the email address privacy attributes for internal RESEARCH purpose",
    "privacyType": "Internal Purpose",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Unauthorized",
        "validityDuration": "Always"
      }
    ],
    "relatedRole": [
      {
        "role": "Employee"
      }
    ]
  },
  { // External purpose example
    "id": "46",
    "name": "eMailAddress",
    "privacyUsagePurpose": "ADMIN",
    "description": "this is the email address privacy attributes for external ADMIN purposes",
    "privacyType": "External Purpose",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
  },

```

```

    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Unauthorized",
        "validityDuration": "Always"
      }
    ],
    "relatedRole": [
      {
        "role": "Administrator"
      }
    ]
  },
  { // Internal Retention example
    "id": "47",
    "name": "eMailAddress",
    "description": "this is the internal retention privacy rule for email address",
    "privacyType": "Internal Retention",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Indefinitely",
        "validityDuration": "Always"
      }
    ]
  },
  { // External Retention example
    "id": "48",
    "name": "eMailAddress",
    "description": "this is the external retention privacy rule for email address",
    "privacyType": "External Retention",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "No-retention",
        "validityDuration": "Always"
      }
    ]
  },
  { // choice of Internal Retention example
    "id": "49",
    "name": "Invoice Amount",
    "description": "this is the retention privacy rule for invoice amount",
    "privacyType": "Internal Retention",
    "criticalityLevel": "low",

```

```

    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "numeric",
        "default": true,
        "unitOfMeasure": "Year",
        "value": "15",
        "validityDuration": "Always"
      },
      {
        "valueType": "numeric",
        "default": false,
        "unitOfMeasure": "Year",
        "fromValue": "10",
        "toValue": "20",
        "rangeInterval": "1",
        "validityDuration": "Always"
      }
    ]
  }
}

```

Field Descriptions:

ApplicableRole: defines for which Roles the Party Privacy Profile Type is applicable.

Field	Description
role	Name of the role

Party Privacy Profile Type: represents a description for Party Privacy Profiles.

Field	Description
description	Description of the privacy profile type
href	Reference URL of the privacy profile type
id	Unique identifier for the privacy profile type
lastUpdate	Date and time of the last update
lifecycleStatus	Used to indicate the current lifecycle status (In Design, Active, Rejected, Retired)
name	Name of the privacy profile type
validFor	The period for which the privacy profile type is valid
version	Privacy profile type version

PartyPrivacyProfileTypeCharacteristic: represents the Characteristics concerned by the Party Privacy Profile Type.

Field	Description
criticalityLevel	Level of criticality for the set of personal identifiable information
description	Description of the profile type characteristic
id	Index of the profile type characteristic in the list
name	Name of the characteristic (makes the link with the characteristic specification)
partyPrivacyProfileTypeCharValue	Possible privacy rules for the characteristic
privacyType	Type of privacy (e.g. Internal Purpose, External Purpose, Internal Retention, External Retention)
privacyUsagePurpose	Defines the "Purpose" authorized or refused for the characteristic (e.g. ADMIN, INFORMATION, MARKETING, RESEARCH, ...)
relatedRole	Name of the roles for which the profile type characteristic is defined
validFor	The period for which the profile type characteristic is valid

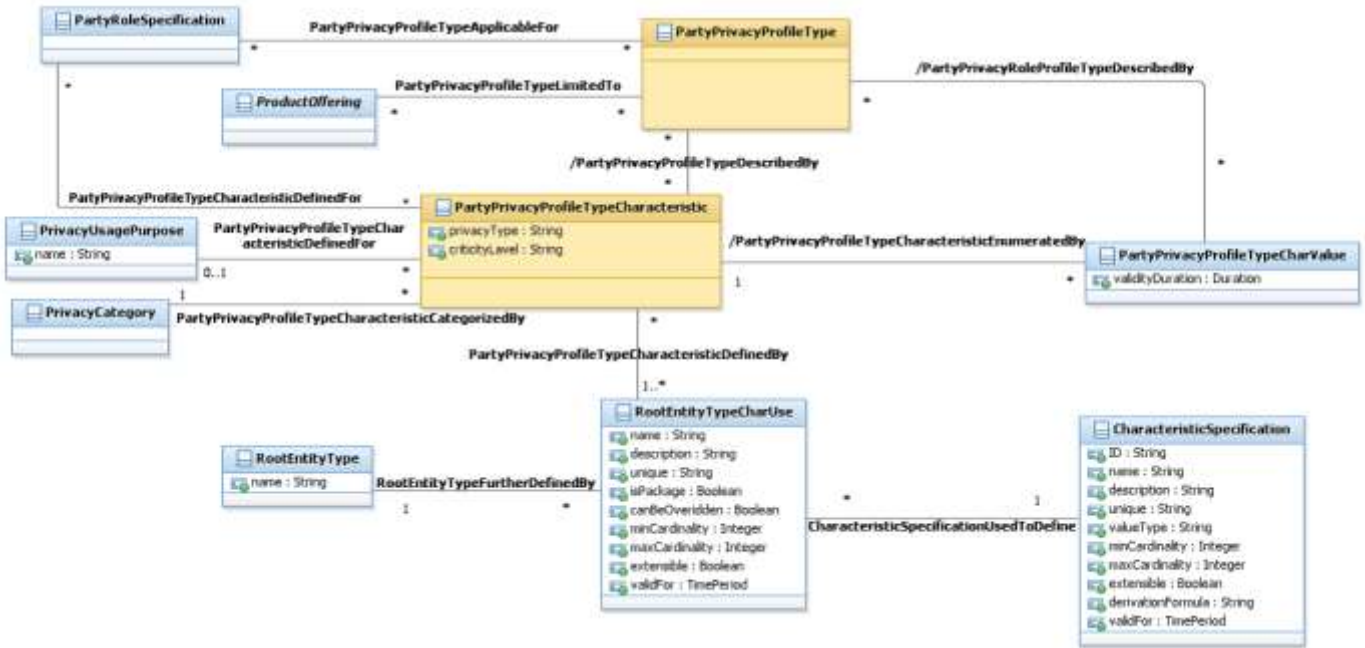
PartyPrivacyProfileTypeCharValue: defines a possible Privacy rule for a Characteristic.

Field	Description
default	If true, indicates that is the default privacy rule
fromValue	Lower value for a customizable numeric value type
rangeInterval	Range interval for a customizable numeric value type
toValue	Upper value for a customizable numeric value type
unitOfMeasure	Unit of measure for a numeric value type
validityDuration	Duration of validity
value	Value of the privacy rule (e.g. Authorized, Unauthorized, No-retention, ...)
valueType	Type of the value

RelatedParty: defines Party or Party Role linked to a specific entity; those who manage the Party Privacy Profile Type.

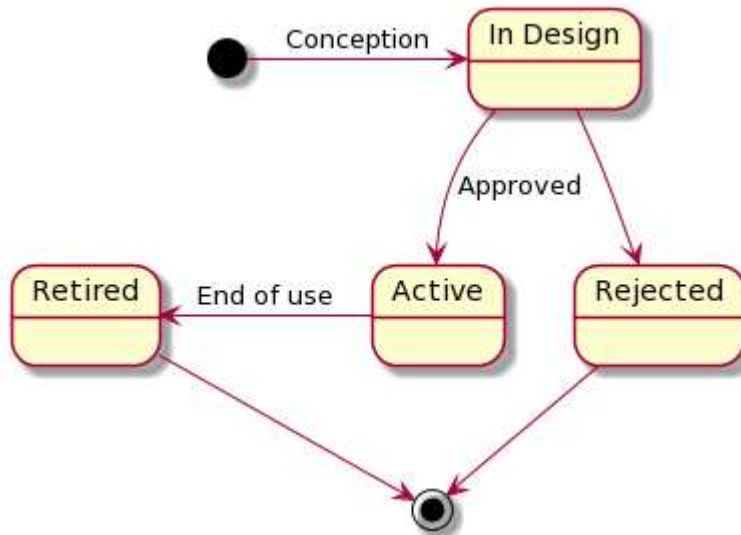
Field	Description
id	Unique identifier of the related party
href	Reference URL of the related party, could be a party reference or a party role reference
name	Name of the related party
role	Role of the related party

UML Model:



Lifecycle:

The Party Privacy Profile Type lifecycle is tracked using the lifecycleStatus field. The typical lifecycle values that can be taken are: In Design, Active, Rejected and Retired. The state machine specifying the typical state change transitions is provided below.



PARTY PRIVACY PROFILE RESOURCE

A Party Privacy Profile represents the set of Privacy settings defined for a Party.

JSON representation of a Party Privacy Profile:

```

{
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfile/394",
  "id": "394",
  "name": "John Doe's Privacy Profile",
  "description": "This is John Does Privacy profile",
  "dateCreated": "2016-03-16T15:15:51.209Z",
  "status": "agreed",
  "validFor": {
    "startDateTime": "2016-03-16T15:15:51.209Z",
    "endDateTime": ""
  },
  "agreedByParty": {
    "id": "2345",
    "href": "http://serverLocation:port/partyManagement/individual/2345",
    "role": "Customer",
    "name": "John Doe"
  },
  "partyPrivacyProfileType": {
    "id": "103",
    "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfileType/103"
  },
  "partyPrivacyProfileCharValue": [
    {
      "name": "eMailAddress",
      "privacyUsagePurpose": "ADMIN",
      "value": "Authorized",
      "validFor": {
        "startDateTime": "2016-03-16T15:15:51.209Z",
        "endDateTime": ""
      }
    },
    {
      "relatedParty": [
        {
          "id": "10",
          "href": "http://serverLocation:port/partyManagement/organization/10",
          "role": "Administrator",
          "name": "Orange"
        }
      ]
    },
    {
      "name": "eMailAddress",
      "privacyUsagePurpose": "INFORMATION",
      "value": "Authorized",
      "validFor": {
        "startDateTime": "2016-03-16T15:15:51.209Z",
        "endDateTime": ""
      }
    },
    {
      "relatedParty": [
        {
          "id": "11",
          "href": "http://serverLocation:port/partyManagement/individual/11",
          "role": "Vendor",
          "name": "Alice"
        },
        {
          "id": "12",
          "href": "http://serverLocation:port/partyManagement/individual/12",
          "role": "Employee",

```



```

        "name": "Bob"
    }
  ]
},
{
  "name": "eMailAddress",
  "privacyUsagePurpose": "MARKETING",
  "value": "Authorized",
  "validFor": {
    "startDateTime": "2016-03-16T15:15:51.209Z",
    "endDateTime": "2016-06-16T15:15:51.209Z"
  },
  "relatedParty": [
    {
      "id": "11",
      "href": "http://serverLocation:port/partyManagement/individual/11",
      "role": "Vendor",
      "name": "Alice"
    }
  ],
  "characteristicAgreement": {
    "id": "6810",
    "href": "http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810"
  }
},
{
  "name": "eMailAddress",
  "privacyUsagePurpose": "RESEARCH",
  "value": "Unauthorized",
  "validFor": {
    "startDateTime": "2016-03-16T15:15:51.209Z",
    "endDateTime": ""
  },
  "relatedParty": [
    {
      "id": "12",
      "href": "http://serverLocation:port/partyManagement/individual/12",
      "role": "Employee",
      "name": "Bob"
    }
  ]
}
],
"agreement": {
  "id": "6810",
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810",
  "type": "commercial"
}
}
}

```

Field Descriptions:

AgreedByParty: defines the Party or Party Role who has agreed the Party Privacy Profile.

Field	Description
id	Unique identifier of related party

href	Reference URL of the related party, could be a party reference or a party role reference
role	Role of the related party
name	Name of the related party

Agreement: describes the Party Privacy Agreement linked to this Party Privacy Profile.

Field	Description
id	Unique identifier of the agreement
href	Reference URL of the agreement
type	The type of the agreement. For example "commercial"

Party Privacy Profile: represents the privacy choices made by a Party Role.

Field	Description
description	Description of the privacy profile
href	Reference URL of the privacy profile
id	Unique identifier for the privacy profile
dateCreated	Date and time of creation of the privacy profile
status	Current status of the privacy profile (Created, Terminated, ...)
name	Name of the privacy profile
validFor	The period for which the privacy profile is valid

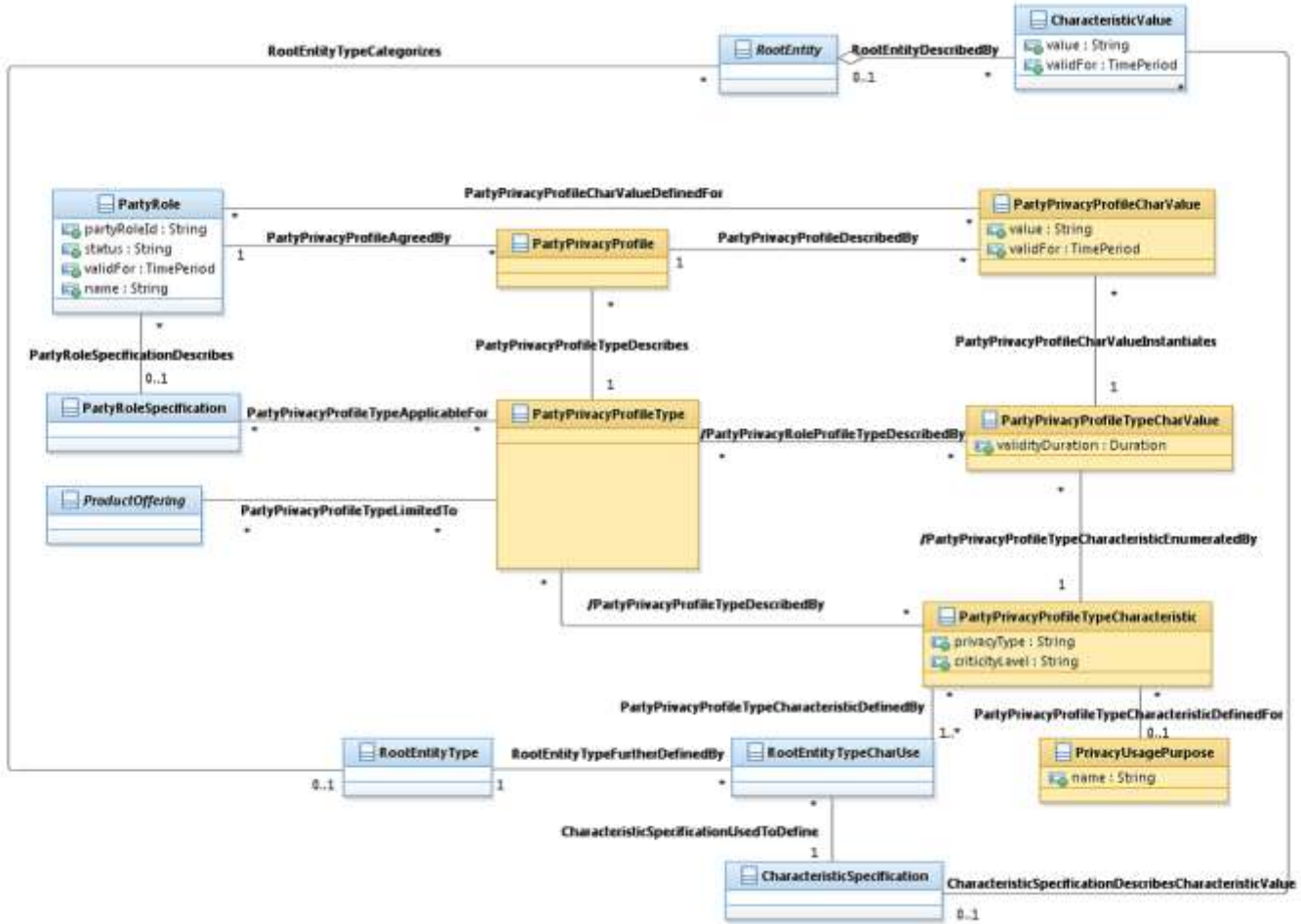
PartyPrivacyProfileCharValue: represents the Privacy rules chosen for this Party Privacy Profile.

Field	Description
characteristicAgreement	The privacy agreement linked to the characteristic if it has a high criticality level
name	Name of the characteristic
privacyUsagePurpose	Defines the "Purpose" authorized or refused for the characteristic (e.g. ADMIN, INFORMATION, MARKETING, RESEARCH, ...)
relatedParty	Reference to a party or party role for which the privacy rule is defined
validFor	The period for which the privacy rule is valid
value	Value of the privacy rule

Party Privacy Profile Type: represents a reference to the instantiated Party Privacy Profile Type.

Field	Description
href	Reference URL of the privacy profile type
id	Unique identifier for the privacy profile type

UML Model:



Lifecycle:

The Party Privacy Profile lifecycle is tracked using the status field. The typical lifecycle values that can be taken are: Created, Terminated. The state machine specifying the typical state change transitions is provided below.



PARTY PRIVACY AGREEMENT RESOURCE

A Party Privacy Agreement represents the approval made by the Party about a Party Privacy Profile.

JSON representation of a Party Privacy Agreement:

```

{
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810",
  "id": "6810",
  "agreementPeriod": {

```

```

    "startDateTime": "2016-03-16T15:15:51.209Z",
    "endDateTime": "2016-09-16T15:15:51.209Z"
  },
  "completionDate": "2016-10-16",
  "description": "This agreement ...",
  "documentNumber": 13,
  "initialDate": "2016-03-16T15:15:51.210Z",
  "name": "Customer mass market privacy agreement",
  "statementOfIntent": "Agreement on customer mass market privacy profile",
  "status": "validated",
  "type": "commercial",
  "version": "1",
  "agreementSpecification": {
    "description": "This agreement specification defines the rules of privacy to be followed
by each party",
    "href":
"http://serverlocation:port/privacyManagement/partyPrivacyAgreementSpecification/8139",
    "id": "8139",
    "name": "General Agreement Specification"
  },
  "agreementItem": [
    {
      "productOffering": [
        {
          "href": "https://host:port/productOffering/productOffering/9559",
          "id": "9559",
          "name": "Privacy Service",
          "bundledProductOffering": [
            {
              "href": "https://host:port/productOffering/bundledProductOffering/7120",
              "id": "7120",
              "name": "Magic Offer",
              "bundledProductOffering": []
            }
          ]
        }
      ]
    }
  ],
  "termOrCondition": [
    {
      "description": "This agreement term or condition ...",
      "id": "8905",
      "validFor": {
        "startDateTime": "2016-03-16T15:15:51.211Z",
        "endDateTime": "2016-09-16T15:15:51.211Z"
      }
    }
  ]
},
"engagedPartyRole": [
  {
    "href": "http://serverLocation:port/partyManagement/partyRole/1",
    "id": "1",
    "name": "Customer",
    "partyId": "2345",
    "partyName": "John Doe"
  }
],

```

```

"agreementAuthorization": [
  {
    "date": "2016-03-16T15:15:51.211Z",
    "signatureRepresentation": "Digital",
    "state": "approved"
  }
],
"characteristic": [
  {
    "name": "country",
    "value": "France"
  }
],
"associatedAgreement": [
  {
    "href": "http://serverlocation:port/privacyManagement/partyPrivacyAgreement/987654",
    "id": "987654",
    "name": "General Privacy Agreement"
  }
],
"partyPrivacyProfile": [
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfile/394",
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfile/1312"
],
"partyPrivacyProfileCharValue": [
  {
    "name": "eMailAddress",
    "privacyUsagePurpose": "MARKETING",
    "value": "Authorized",
    "validFor": {
      "startDateTime": "2016-03-16T15:15:51.211Z",
      "endDateTime": "2016-06-16T15:15:51.211Z"
    }
  },
  "relatedParty": [
    {
      "id": "11",
      "href": "http://serverLocation:port/partyManagement/partyRole/11",
      "role": "Vendor",
      "name": "Alice"
    }
  ]
}
]
}

```

Field Descriptions:

Agreement: represents the approval made by the Engaged Party about a Party Privacy Profile.

Field	Description
agreementPeriod	The time period during which the agreement is in effect
completionDate	Date at which the agreement is completed
description	Narrative that explains the agreement and details about the it , such as why the agreement is taking place
documentNumber	A reference number assigned to an agreement that follows a prescribed numbering system

href	Unique URL identifying the agreement as a resource
id	Unique identifier for the agreement
initialDate	Date at which the agreement was initialized
name	A human-readable name for the agreement
statementOfIntent	An overview and goals of the agreement
status	The current status of the agreement. Typical values are: in process, approved and rejected
type	The type of the agreement. For example "commercial"
version	A string identifying the version of the agreement

AgreementAuthorization: represents a business participant that is responsible for approving the Agreement.

Field	Description
date	The date associated with the authorization state
signatureRepresentation	Indication that represents whether the signature is a physical paper signature or a digital signature
state	Current status of the authorization, for example in process, approved, rejected

AgreementItem: represents a part of the Agreement expressed in terms of a product offering and possibly including specific terms and conditions.

Field	Description
productOffering	A list of product offering references
termOrCondition	The term or condition of the agreement

AgreementSpecification: represents a template of an Agreement that can be used when establishing partnerships.

Field	Description
description	A narrative that explains in detail what the agreement specification is about
href	Reference URL of the agreement specification
id	Unique identifier of the agreement specification
name	Name of the agreement specification

AssociatedAgreement: references another related Agreement.

Field	Description
href	Reference URL of the agreement
id	Identifier of the agreement
name	Name of the agreement

Characteristic: describes a given characteristic of an object or entity through a name/value pair.

Field	Description
name	Name of the characteristic
value	Value of the characteristic

EngagedPartyRole: defines the Party or Party Role involved in the Agreement.

Field	Description
href	Reference URL of the referred party role
id	Unique identifier of referred party role
name	The name of the referred party role
partyId	The identifier of the engaged party that is linked to the PartyRole object
partyName	The name of the engaged party that is linked to the PartyRole object

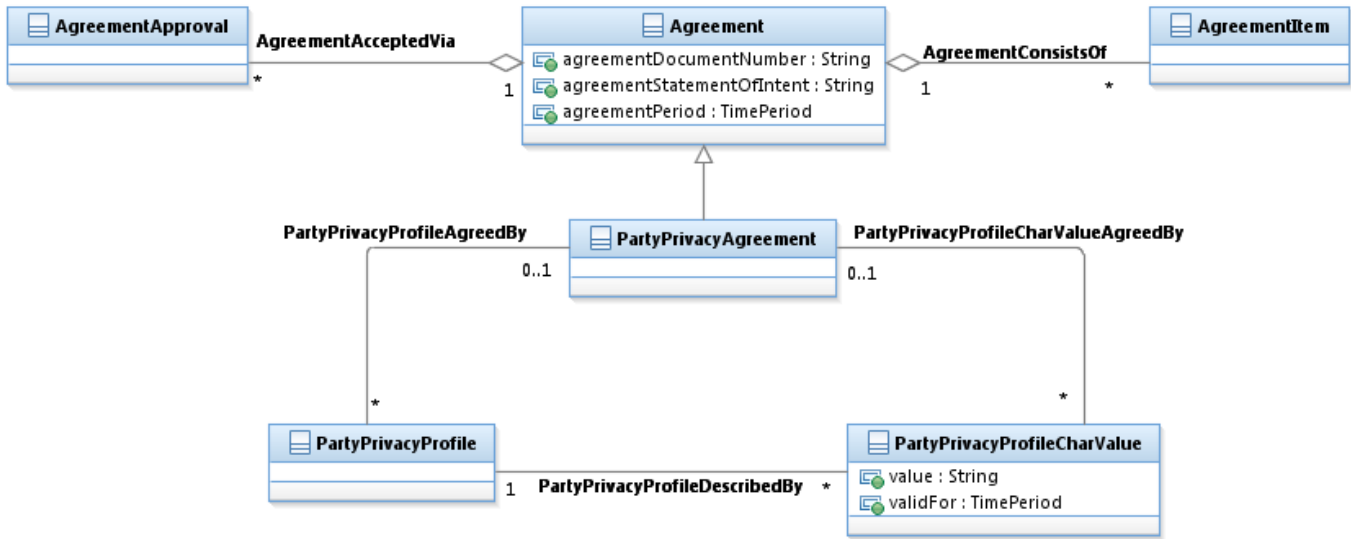
Party Privacy Profile: represents the set of Privacy settings defined for a Party.

Field	Description
href	Reference URL of the agreed party privacy profile

PartyPrivacyProfileCharValue: represents a high criticality Characteristic whose chosen Privacy rules is included in the Agreement.

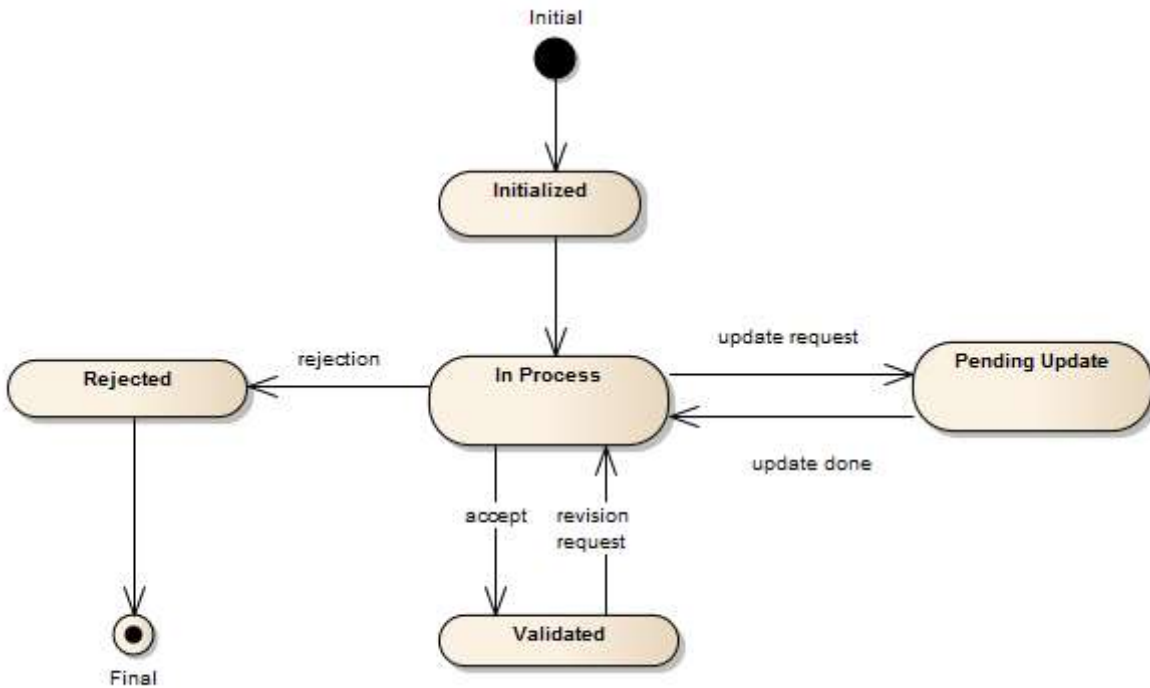
Field	Description
name	Name of the characteristic
privacyUsagePurpose	Defines the "Purpose" authorized or refused for the characteristic (e.g. ADMIN, INFORMATION, MARKETING, RESEARCH, ...)
relatedParty	Reference to a party or party role for which the privacy rule is defined
validFor	The period for which the privacy rule is valid
value	Value of the privacy rule

UML Model:



Lifecycle:

The Agreement lifecycle is tracked using the status field. The typical lifecycle values that can be taken are: Initialized, In process, Pending Update, Validated and Rejected. The state machine specifying the typical state change transitions is provided below.



EXPORT JOB RESOURCE

An ExportJob resource represents a TASK used to export resources to a File

The ExportJob resource supports the following properties:

Attribute name	Description
query	Used to scope the exported data (identical to GET filter construct using target ID as base) "query": "type=productOffering&version=2.0"
path	URL of the root resource acting as the source for streaming content to the file specified by the ExportJob ../privacyManagement/partyPrivacyProfile
content-type	The format of the exported data .By default "application/json"
status	notstarted, running, succeeded, failed
url	URL of the File containing the data to be exported a file URL, which is of the form file://host/path where host is the fully qualified domain name of the system on which the path is accessible, and path is a hierarchical directory path of the form directory/directory/.../name
completionDate	Date at which the Job was completed.
creationDate	Date at which the Job was created.
errorLog	Reason for Failure

JSON representation of an ExportJob

```
{
  "id": "54",
  "href": "http://api/privacManagement/exportJob/54",
  "status": "running",
  "path": "privacyManagement/",
  "content-type": "application/json",
  "errorLog": "",
  "creationDate": "2013-04-19T16:42:23-04:00",
```

```
"completionDate": "2013-04-21T16:42:23-04:00",
"url": "ftp://ftp.myPrivacy.com/privacy/54"
}
```

UML Model:



IMPORT JOB RESOURCE

An ImportJob resource represent a TASK used to import resources from a File

The ImportJob resource supports the following properties:

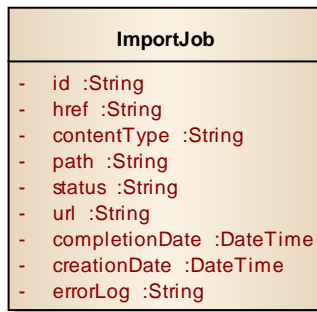
Attribute name	Description
content-type	The format of the imported data. By default "application/json"
path	URL of the root resource where the content of the file specified by the ImportJob must be applied ../privacyManagement/partyPrivacyProfile
status	notstarted, running, succeeded, failed
url	URL of the File containing the data to be imported a file URL, which is of the form file://host/path where host is the fully qualified domain name of the system on which the path is accessible, and path is a hierarchical directory path of the

	form directory/directory/.../name
completionDate	Date at which the Job was completed.
creationDate	Date at which the Job was created.
errorLog	Reason for Failure if status is failed

JSON representation of an ImportJob

```
{
  "id": "54",
  "href": "http://api/privacyManagement/importJob/54",
  "status": "completed",
  "path": "privacyManagement/",
  "content-type": "application/json",
  "errorLog": "",
  "creationDate": "2013-04-19T16:42:23-04:00",
  "completionDate": "2013-04-21T16:42:23-04:00",
  "url": "ftp://ftp.myPrivacy.com/privacy/54"
}
```

UML Model:



Notification Resource Models

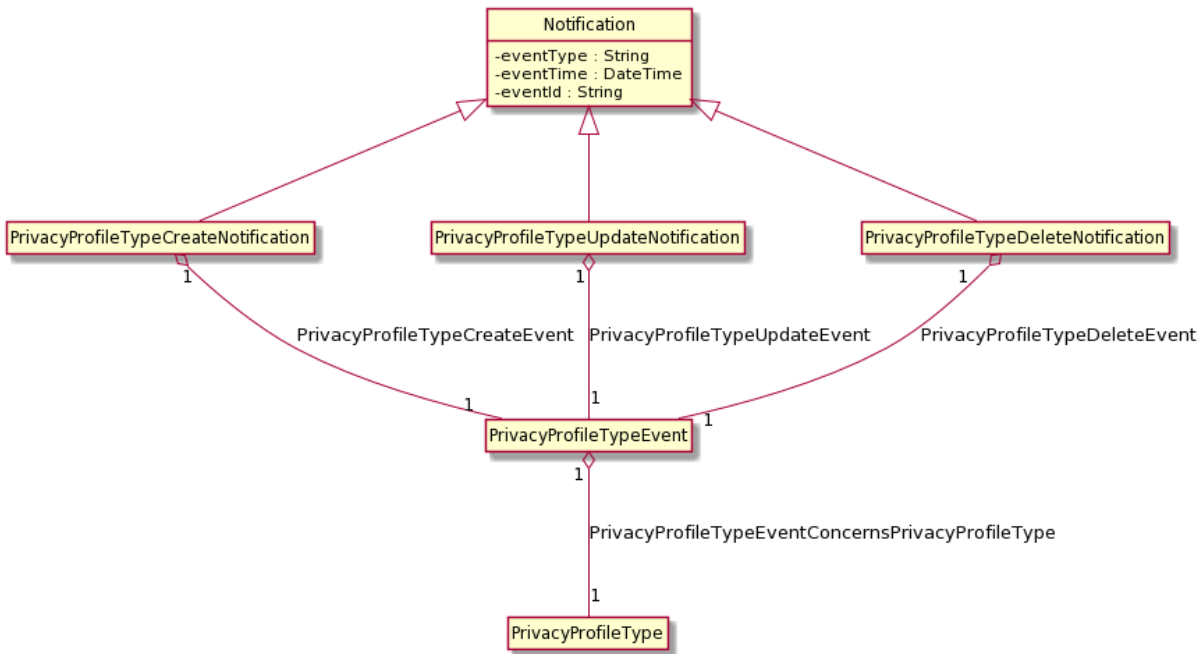
11 notification event types are defined :

1. PartyPrivacyProfileTypeCreateNotification
2. PartyPrivacyProfileTypeNotification
3. PartyPrivacyProfileTypeDeleteNotification
4. PartyPrivacyProfileCreateNotification
5. PartyPrivacyProfileUpdateNotification
6. PartyPrivacyProfileDeleteNotification
7. PartyPrivacyAgreementCreateNotification
8. PartyPrivacyAgreementUpdateNotification
9. PartyPrivacyAgreementDeleteNotification
10. ImportJobCompletionNotification
11. ExportJobCompletionNotification

PARTY PRIVACY PROFILE TYPE Notifications

1. Create
2. Update
3. Delete

UML Model:



Event: PartyPrivacyProfileTypeCreateNotification

```
{
  "eventType": "PartyPrivacyProfileTypeCreateNotification",
  "eventTime": "2014-09-27T05:46:25.0Z",
  "eventId": "1154231",
  "event": {
    "partyPrivacyProfileType":
    {
      "id": "12",
      Following a whole representation of the Party Privacy Profile Type with all its
      attributes
      See Party Privacy Profile Type Resource.
    }
  }
}
```

Event: PartyPrivacyProfileTypeUpdateNotification

```
{
  "eventType": "PartyPrivacyProfileTypeUpdateNotification",
  "eventTime": "2014-09-27T05:46:25.0Z",
  "eventId": "119331",
  "event": {
    "partyPrivacyProfileType":
    {
      "id": "12",
      Following a whole representation of the Party Privacy Profile Type with all its
      attributes
      See Party Privacy Profile Type Resource.
    }
  }
}
```

Event: PartyPrivacyProfileTypeDeleteNotification

```
{
  "eventType": "PartyPrivacyProfileTypeDeleteNotification",
  "eventTime": "2014-09-27T05:46:25.0Z",
  "eventId": "1189231",
```

```

"event": {
  "partyPrivacyProfileType":
  {
    "id": "12",
  }
}

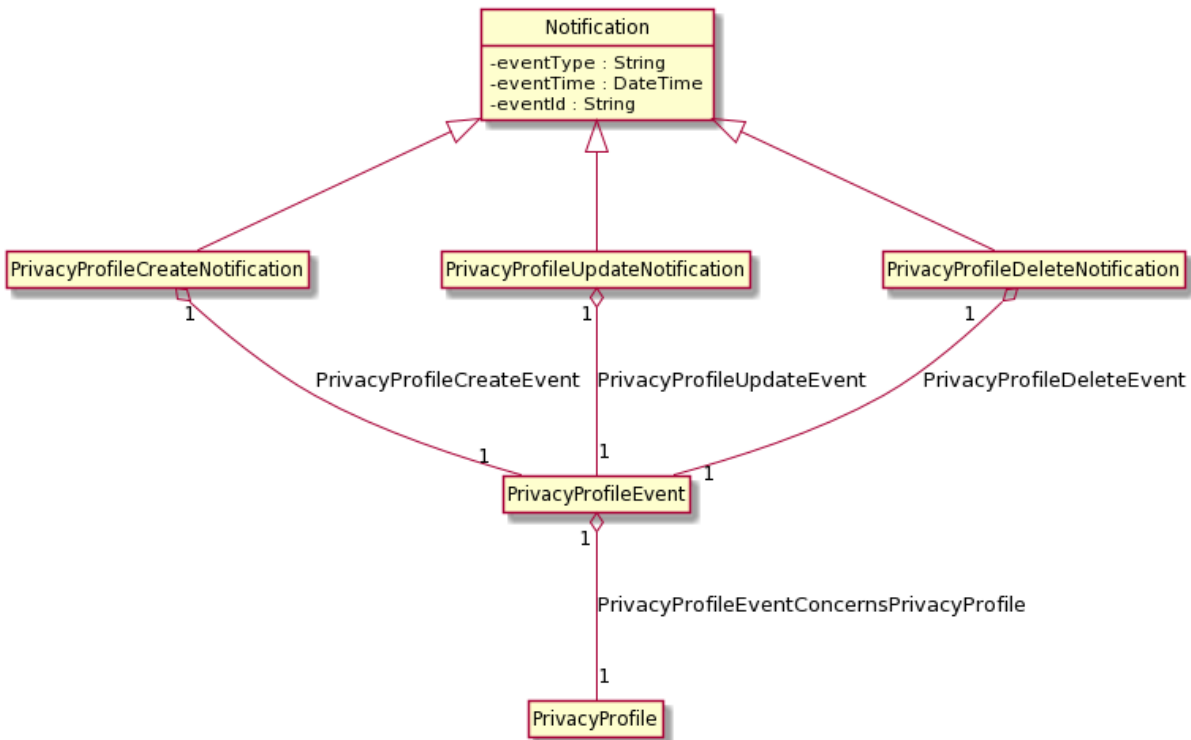
```

Following a whole representation of the Party Privacy Profile Type with all its attributes
See Party Privacy Profile Type Resource.

PARTY PRIVACY PROFILE Notifications

1. Create
2. Update
3. Delete

UML Model:



Event: PartyPrivacyProfileCreateNotification

```
{
  "eventType": "PartyPrivacyProfileCreateNotification",
  "eventTime": "2014-09-27T05:46:25.0Z",
  "eventId": "1154391",
  "event": {
    "partyPrivacyProfile":
    {
      "id": "128",
      Following a whole representation of the Party Privacy Profile with all its attributes
      See Party Privacy Profile Resource.
    }
  }
}
```

Event: PartyPrivacyProfileUpdateNotification

```
{
  "eventType": "PartyPrivacyProfileUpdateNotification",
  "eventTime": "2014-09-27T05:46:25.0Z",
  "eventId": "1156731",
  "event": {
    "partyPrivacyProfile":
    {
      "id": "128",
      Following a whole representation of the Party Privacy Profile with all its attributes
      See Party Privacy Profile Resource.
    }
  }
}
```

Event: PartyPrivacyProfileDeleteNotification

```
{
  "eventType": "PartyPrivacyProfileDeleteNotification",
  "eventTime": "2014-09-27T05:46:25.0Z",
  "eventId": "1154278",
  "event": {
```

```
"partyPrivacyProfile":
```

```
{
```

```
  "id": "128",
```

Following a whole representation of the Party Privacy Profile with all its attributes
See Party Privacy Profile Resource.

```
}
```

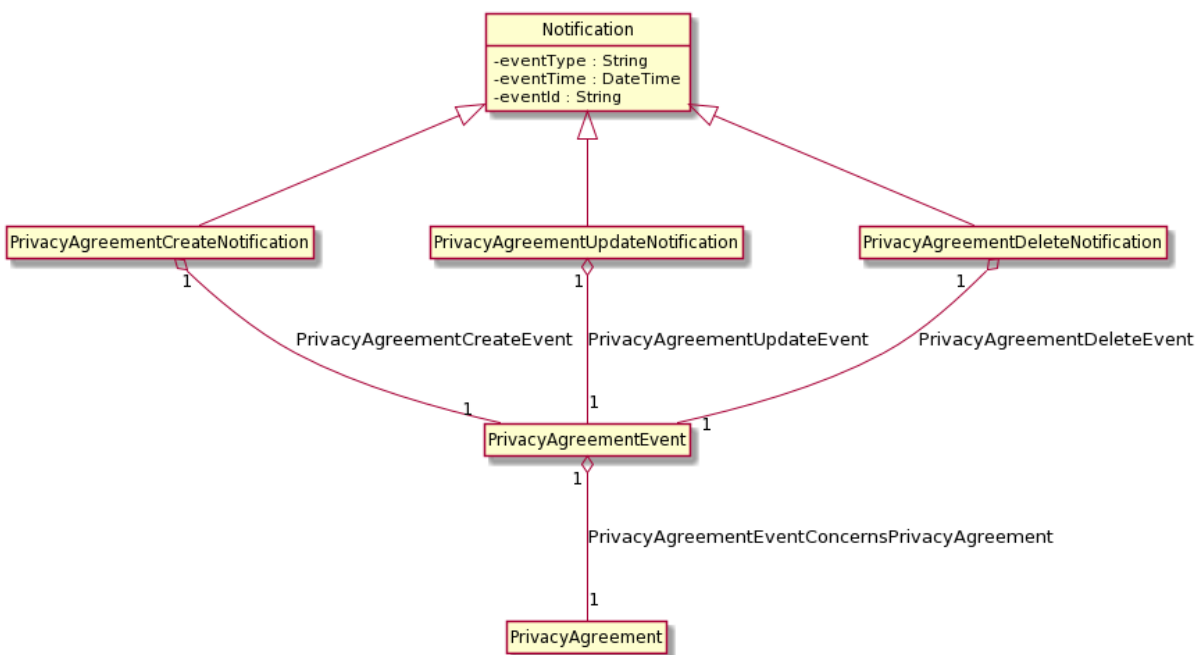
```
}
```

```
}
```

PARTY PRIVACY AGREEMENT Notifications

1. Create
2. Update
3. Delete

UML Model:



Event: PartyPrivacyAgreementCreateNotification

```
{
  "eventType": "PartyPrivacyAgreementCreateNotification",
  "eventTime": "2014-09-27T05:46:25.0Z",
  "eventId": "1154391",
  "event": {
```



```
    "partyPrivacyAgreement":  
    {  
        "id": "128",  
        Following a whole representation of the Party Privacy Agreement with all its  
attributes  
        See Party Privacy Agreement Resource.  
    }  
}  
}
```

Event: PartyPrivacyAgreementUpdateNotification

```
{  
    "eventType": "PartyPrivacyAgreementUpdateNotification",  
    "eventTime": "2014-09-27T05:46:25.0Z",  
    "eventId": "1156731",  
    "event": {  
        "partyPrivacyAgreement":  
        {  
            "id": "128",  
            Following a whole representation of the Party Privacy Agreement with all its  
attributes  
            See Party Privacy Agreement Resource.  
        }  
    }  
}
```

Event: PartyPrivacyAgreementDeleteNotification

```
{  
    "eventType": "PartyPrivacyAgreementDeleteNotification",  
    "eventTime": "2014-09-27T05:46:25.0Z",  
    "eventId": "1154278",  
    "event": {  
        "partyPrivacyAgreement":  
        {  
            "id": "128",
```

Following a whole representation of the Party Privacy Agreement with all its attributes

See Party Privacy Agreement Resource.

```

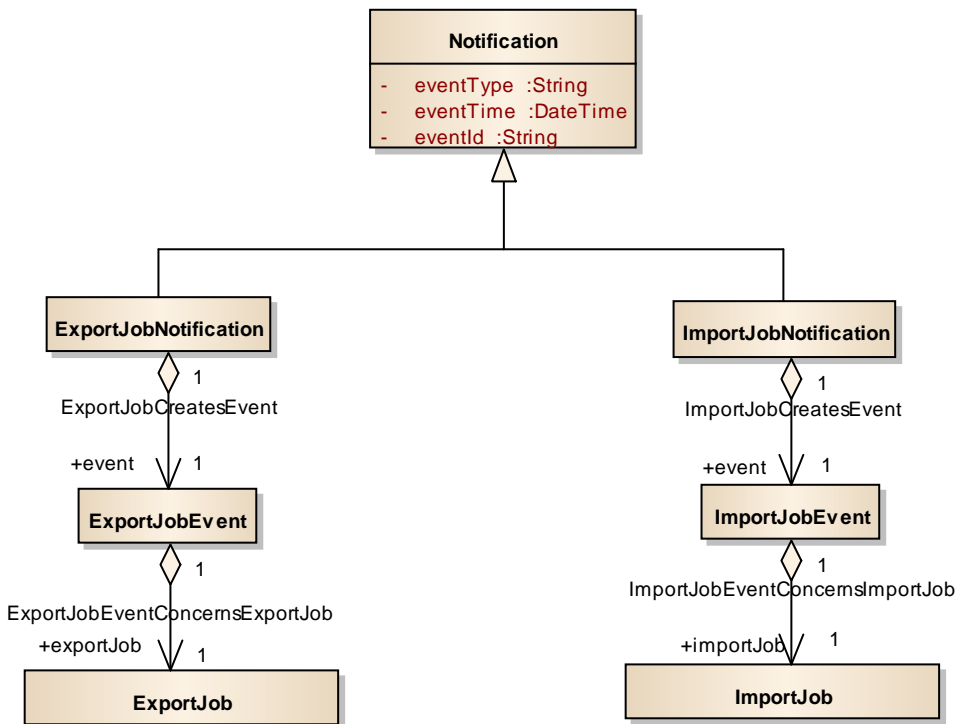
}
}
}
}
}

```

Export and Import Job Notifications

1. Export Job Completion Notification
2. Import Job Completion Notification

UML Model:



Event: ExportJobCompletionNotification

```

{
  "eventType": "ExportJobCompletionNotification",
  "eventTime": "2014-09-27T05:46:25.0Z",
  "eventId": "1154278",
  "event": { "exportJob": {
    "id": "54",

```

```
"href": "http://api/privacyManagement/exportJob/54",
"status": "succeeded",
"path": "privacyManagement/",
"content-type": "application/json",
"errorLog": "",
"creationDate": "2013-04-19T16:42:23-04:00",
"completionDate": "2013-04-21T16:42:23-04:00",
"url": "ftp://ftp.myPrivacy.com/privacyManagement/54.json"
}}
}
```

Event: ImportJobCompletionNotification

```
{
  "eventType": "ImportJobCompletionNotification",
  "eventTime": "2014-09-27T05:46:25.0Z",
  "eventId": "1154278",
  "event": {"importJob": {
    "id": "54",
    "href": "http://api/privacyManagement/importJob/54",
    "status": "succeeded",
    "path": "privacyManagement/",
    "content-type": "application/json",
    "errorLog": "",
    "creationDate": "2013-04-19T16:42:23-04:00",
    "completionDate": "2013-04-21T16:42:23-04:00",
    "url": "ftp://ftp.myPrivacy.com/privacyManagement/54.json"
  }}
}
```

API OPERATION TEMPLATES

For every single of operation on the entities use the following templates and provide sample REST requests and responses.

Remember that the following Uniform Contract rules must be used:

Operation on Entities	Uniform API Operation	Description
Query Entities	GET Resource	GET must be used to retrieve a representation of a resource.
Create Entity	POST Resource	POST must be used to create a new resource
Partial Update of an Entity	PATCH Resource	PATCH must be used to partially update a resource
Remove an Entity	DELETE Resource	DELETE must be used to remove a resource
Execute an Action on an Entity	POST on TASK Resource	POST must be used to execute Task Resources
Other Request Methods	POST on TASK Resource	GET and POST must not be used to tunnel other request methods.

Filtering and attribute selection rules are described in the TMF REST Design Guidelines.

Notifications are also described in a subsequent section.

GET /PRIVACYMANAGEMENT/PARTYPRIVACYPROFILETYPE/{ID}

Note that collections can be retrieved via GET /API/<RESOURCE> with no {ID}

Description:

- Operation to retrieve privacy profile types in a privacy repository
- Filtering is enabled for all attributes
- Attribute selection is enabled for all attributes
- The resource is either a managed entity (query by id) or a collection (query with criteria)
- The resource identifier is a http uri

Behavior:

- Standard behavior and response codes for GET operations

Example: Retrieve privacy profile type with id 103 - with all its attributes.

REQUEST
GET /privacyManagement/partyPrivacyProfileType/103 Accept: application/json
RESPONSE
200 Content-Type: application/json <pre> { "id": "103", "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfileType/103", "version": "1.0", "lastUpdate": "2013-04-19T16:42:23-04:00", "name": "Customer Mass Market Privacy", "description": "This is the customer mass market privacy", "lifecycleStatus": "active", "validFor": { "startDateTime": "2013-04-19T16:42:23-04:00", "endDateTime": "2013-06-19T00:00:00-04:00" }, "relatedParty": [{ "id": "1066", "href": "http://serverlocation:port/partyManagement/individual/1066", "role": "Profile Type Admin", "name": "James Smith" }], "applicableRole": [{ "role": "Customer" }], "partyPrivacyProfileTypeCharacteristic": [{ // ALWAYS example "id": "42", "name": "eMailAddress", "privacyUsagePurpose": "ADMIN", }] } </pre>

```

    "description": "this is the email address privacy for internal ADMIN purpose",
    "privacyType": "Internal Purpose",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Authorized",
        "validityDuration": "Always"
      }
    ],
    "relatedRole": [
      {
        "role": "Administrator"
      }
    ]
  },
  { // OPT-OUT example
    "id": "43",
    "name": "eMailAddress",
    "privacyUsagePurpose": "INFORMATION",
    "description": "this is the email address privacy attributes for internal
INFORMATION purpose",
    "privacyType": "Internal Purpose",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Authorized",
        "validityDuration": "Always"
      },
      {
        "valueType": "string",
        "default": false,
        "value": "Unauthorized",
        "validityDuration": "Always"
      }
    ],
    "relatedRole": [
      {
        "role": "Vendor"
      },
      {
        "role": "Employee"
      }
    ]
  },
  { // OPT-IN example
    "id": "44",

```

```

    "name": "eMailAddress",
    "privacyUsagePurpose": "MARKETING",
    "description": "this is the email address privacy attributes for internal
MARKETING purpose",
    "privacyType": "Internal Purpose",
    "criticalityLevel": "high",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Unauthorized",
        "validityDuration": "Always"
      },
      {
        "valueType": "string",
        "default": false,
        "value": "Authorized",
        "validityDuration": "3 months"
      }
    ],
    "relatedRole": [
      {
        "role": "Vendor"
      }
    ]
  },
  { // NEVER example
    "id": "45",
    "name": "eMailAddress",
    "privacyUsagePurpose": "RESEARCH",
    "description": "this is the email address privacy attributes for internal
RESEARCH purpose",
    "privacyType": "Internal Purpose",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Unauthorized",
        "validityDuration": "Always"
      }
    ],
    "relatedRole": [
      {
        "role": "Employee"
      }
    ]
  },
  { // External purpose example
    "id": "46",

```

```

    "name": "eMailAddress",
    "privacyUsagePurpose": "ADMIN",
    "description": "this is the email address privacy attributes for external ADMIN
purposes",
    "privacyType": "External Purpose",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Unauthorized",
        "validityDuration": "Always"
      }
    ],
    "relatedRole": [
      {
        "role": "Administrator"
      }
    ]
  },
  { // Internal Retention example
    "id": "47",
    "name": "eMailAddress",
    "description": "this is the internal retention privacy rule for email address",
    "privacyType": "Internal Retention",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Indefinitely",
        "validityDuration": "Always"
      }
    ]
  },
  { // External Retention example
    "id": "48",
    "name": "eMailAddress",
    "description": "this is the external retention privacy rule for email address",
    "privacyType": "External Retention",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "No-retention",

```



```

        "validityDuration": "Always"
    }
  ]
},
{ // choice of Internal Retention example
  "id": "49",
  "name": "Invoice Amount",
  "description": "this is the retention privacy rule for invoice amount",
  "privacyType": "Internal Retention",
  "criticalityLevel": "low",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "numeric",
      "default": true,
      "unitOfMeasure": "Year",
      "value": "15",
      "validityDuration": "Always"
    },
    {
      "valueType": "numeric",
      "default": false,
      "unitOfMeasure": "Year",
      "fromValue": "10",
      "toValue": "20",
      "rangeInterval": "1",
      "validityDuration": "Always"
    }
  ]
}
]
}
}
}
}

```

Example: Retrieve Customer Mass Market Privacy individual entry and we only want to get its name.

REQUEST
<pre> GET /privacyManagement/partyPrivacyProfileType/103?fields=name Accept: application/json </pre>
RESPONSE
<pre> 200 Content-Type: application/json { "name": "Customer Mass Market Privacy" } </pre>

GET /PRIVACYMANAGEMENT/PARTYPRIVACYPROFILE/{ID}

Note that collections can be retrieved via GET /API/<RESOURCE> with no {ID}

Description:

- Operation to retrieve privacy profiles in a privacy repository
- Filtering is enabled for all attributes
- Attribute selection is enabled for all attributes
- The resource is either a managed entity (query by id) or a collection (query with criteria)
- The resource identifier is a http uri

Behavior:

- Standard behavior and response codes for GET operations

Example: Get the name of all privacy profiles instantiating a given privacy profile type (103)

REQUEST
GET /privacyManagement/partyPrivacyProfile?fields=name&partyPrivacyProfileType.id=103 Accept: application/json
RESPONSE
200 Content-Type: application/json [{ "id": "394", "name": "John Doe's Privacy Profile" }, { "id": "1312", "name": "Jane Doe's Privacy Profile" }]

Example: Get a specific privacy profile using its id, returning all attributes

REQUEST
GET /privacyManagement/partyPrivacyProfile/394 Accept: application/json
RESPONSE

200

Content-Type: application/json

```

{
  "id": "394",
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfile/394",
  "name": "John Doe's Privacy Profile",
  "description": "This is John Does Privacy profile",
  "dateCreated": "2016-03-16T15:15:51.209Z",
  "status": "agreed",
  "validFor": {
    "startDateTime": "2016-03-16T15:15:51.209Z",
    "endDateTime": ""
  },
  "agreedByParty": {
    "id": "2345",
    "href": "http://serverLocation:port/partyManagement/individual/2345",
    "role": "Customer",
    "name": "John Doe"
  },
  "partyPrivacyProfileType": {
    "id": "103",
    "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfileType/103"
  },
  "partyPrivacyProfileCharValue": [
    {
      "name": "eMailAddress",
      "privacyUsagePurpose": "ADMIN",
      "value": "Authorized",
      "validFor": {
        "startDateTime": "2016-03-16T15:15:51.209Z",
        "endDateTime": ""
      },
      "relatedParty": [
        {
          "id": "10",
          "href": "http://serverLocation:port/partyManagement/organization/10",
          "role": "Administrator",
          "name": "Orange"
        }
      ]
    },
    {
      "name": "eMailAddress",
      "privacyUsagePurpose": "INFORMATION",
      "value": "Authorized",
      "validFor": {
        "startDateTime": "2016-03-16T15:15:51.209Z",
        "endDateTime": ""
      },
      "relatedParty": [
        {
          "id": "11",
          "href": "http://serverLocation:port/partyManagement/individual/11",
          "role": "Vendor",
          "name": "Alice"
        }
      ]
    }
  ]
}

```

```

        "id": "12",
        "href": "http://serverLocation:port/partyManagement/individual/12",
        "role": "Employee",
        "name": "Bob"
    }
]
},
{
    "name": "eMailAddress",
    "privacyUsagePurpose": "MARKETING",
    "value": "Authorized",
    "validFor": {
        "startDateTime": "2016-03-16T15:15:51.209Z",
        "endDateTime": "2016-06-16T15:15:51.209Z"
    },
    "relatedParty": [
        {
            "id": "11",
            "href": "http://serverLocation:port/partyManagement/individual/11",
            "role": "Vendor",
            "name": "Alice"
        }
    ],
    "characteristicAgreement": {
        "id": "6810",
        "href":
"http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810"
    }
},
{
    "name": "eMailAddress",
    "privacyUsagePurpose": "RESEARCH",
    "value": "Unauthorized",
    "validFor": {
        "startDateTime": "2016-03-16T15:15:51.209Z",
        "endDateTime": ""
    },
    "relatedParty": [
        {
            "id": "12",
            "href": "http://serverLocation:port/partyManagement/individual/12",
            "role": "Employee",
            "name": "Bob"
        }
    ]
}
],
"agreement": {
    "id": "6810",
    "href": "http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810",
    "type": "commercial"
}
}
}

```

GET /PRIVACYMANAGEMENT/PARTYPRIVACYAGREEMENT/{ID}

Note that collections can be retrieved via GET /API/<RESOURCE> with no {ID}

Description:

- Operation to retrieve privacy agreements in a privacy repository
- Filtering is enabled for all attributes
- Attribute selection is enabled for all attributes
- The resource is either a managed entity (query by id) or a collection (query with criteria)
- The resource identifier is a http uri

Behavior:

- Standard behavior and response codes for GET operations

Example: Get a privacy agreement by its id

REQUEST
GET /privacyManagement/partyPrivacyAgreement/6810 Accept: application/json
RESPONSE
200 Content-Type: application/json <pre>{ "href": "http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810", "id": "6810", "agreementPeriod": { "startDateTime": "2016-03-16T15:15:51.209Z", "endDateTime": "2016-09-16T15:15:51.209Z" }, "completionDate": "2016-10-16", "description": "This agreement ...", "documentNumber": 13, "initialDate": "2016-03-16T15:15:51.210Z", "name": "Customer mass market privacy agreement", "statementOfIntent": "Agreement on customer mass market privacy profile", "status": "validated", "type": "commercial", "version": "1", "agreementSpecification": { "description": "This agreement specification defines the rules of privacy to be followed by each party", "href": "http://serverlocation:port/privacyManagement/partyPrivacyAgreementSpecification/8139", "id": "8139", "name": "General Agreement Specification" }, "agreementItem": [{ "productOffering": [{ "href": "https://host:port/productOffering/productOffering/9559",</pre>

```

    "id": "9559",
    "name": "Privacy Service",
    "bundledProductOffering": [
      {
        "href": "https://host:port/productOffering/bundledProductOffering/7120",
        "id": "7120",
        "name": "Magic Offer",
        "bundledProductOffering": []
      }
    ]
  },
],
"termOrCondition": [
  {
    "description": "This agreement term or condition ...",
    "id": "8905",
    "validFor": {
      "startDateTime": "2016-03-16T15:15:51.211Z",
      "endDateTime": "2016-09-16T15:15:51.211Z"
    }
  }
]
},
],
"engagedPartyRole": [
  {
    "href": "http://serverLocation:port/partyManagement/partyRole/1",
    "id": "1",
    "name": "Customer",
    "partyId": "2345",
    "partyName": "John Doe"
  }
],
"agreementAuthorization": [
  {
    "date": "2016-03-16T15:15:51.211Z",
    "signatureRepresentation": "Digital",
    "state": "approved"
  }
],
"characteristic": [
  {
    "name": "country",
    "value": "France"
  }
],
"associatedAgreement": [
  {
    "href":
"http://serverlocation:port/privacyManagement/partyPrivacyAgreement/987654",
    "id": "987654",
    "name": "General Privacy Agreement"
  }
],
"partyPrivacyProfile": [
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfile/394",
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfile/1312"
],
],

```

```

"partyPrivacyProfileCharValue": [
  {
    "name": "eMailAddress",
    "privacyUsagePurpose": "MARKETING",
    "value": "Authorized",
    "validFor": {
      "startDateTime": "2016-03-16T15:15:51.211Z",
      "endDateTime": "2016-06-16T15:15:51.211Z"
    },
    "relatedParty": [
      {
        "id": "11",
        "href": "http://serverLocation:port/partyManagement/partyRole/11",
        "role": "Vendor",
        "name": "Alice"
      }
    ]
  }
]
}

```

PATCH /PRIVACYMANAGEMENT/PARTYPRIVACYPROFILETYPE/{ID}

This Uniform Contract operation is used to partially update the representation of a privacy profile type.

Description:

- Patch operation can be used partially update one or more privacy profile types
- The resource represents a managed entity or a collection
- The identifier is a string that can consist of numbers, not necessarily alphanumeric

Behavior:

- Return Status Codes:
 - Returns HTTP/1.1 status code 201 if privacy profile type was updated successfully
 - 400 - Bad Request Error
 - 404 - If no record was found for the supplied criteria
 - 500 - The server encountered an unexpected condition which prevented it from fulfilling the request

Patchable attributes for a privacy profile type:

Attribute name	Patchable	Rule
id	N	
version	Y	

lastUpdate	Y	
name	Y	
description	Y	
lifecycleStatus	Y	
validFor	Y	
relatedParty	Y	
applicableRole	Y	
partyPrivacyProfileTypeCharacteristic	Y	

Further document any rules that must be implemented when patching attributes.

Rule name	Rule/Pre Condition/Side Effects/Post Conditions
relatedParty	role and party are mandatory
applicableRole	role is mandatory
partyPrivacyProfileTypeCharacteristic	a default partyPrivacyProfileCharValue is mandatory

Example: Update the lifecycle status of the Customer Mass Market Privacy (identified with '103').

REQUEST
PATCH privacyManagement/partyPrivacyProfileType/103 Content-type: application/json <pre>{ "lifecycleStatus": "Retired" }</pre>
RESPONSE
201 Content-Type: application/json


```
{
  JSON resource representation with all attributes including the changed one
  See Party Privacy Profile Type resource model for details
}
```

Example: Update Customer Mass Market Privacy (identified with '103'): it is related to a Party or Party Role that is already stored in the party referential.

REQUEST

PATCH privacyManagement/partyPrivacyProfileType/103

Content-type: application/json-patch+json

```
{
  "op": "add",
  "path": "/relatedParty",
  "value": {
    "id": "1070",
    "href": "http://serverlocation:port/partyManagement/individual/1070",
    "role": "Profile Type Admin",
    "name": "Edward Miller"
  }
}
```

RESPONSE

201

Content-Type: application/json

```
{ JSON resource representation with all attributes including the changed one
  See Party Privacy Profile Type resource model for details
}
```

PATCH /PRIVACYMANAGEMENT/PARTYPRIVACYPROFILE/{ID}

This Uniform Contract operation is used to partially update the representation of a privacy profile.

Description:

- Patch operation can be used partially update one or more privacy profiles
- The resource represents a managed entity or a collection
- The identifier is a string that can consist of numbers, not necessarily alphanumeric

Behavior:

- Return Status Codes:
 - Returns HTTP/1.1 status code 201 if privacy profile was updated successfully
 - 400 - Bad Request Error
 - 404 - If no record was found for the supplied criteria
 - 500 - The server encountered an unexpected condition which prevented it from fulfilling the request

Patchable attributes for a privacy profile:

Attribute name	Patchable	Rule
id	N	
name	Y	
description	Y	
dateCreated	N	
status	Y	
validFor	Y	
agreedByParty	N	
partyPrivacyProfileType	N	
partyPrivacyProfileCharValue	Y	
agreement	Y	

Further document any rules that must be implemented when patching attributes.

Rule name	Rule/Pre Condition/Side Effects/Post Conditions
partyPrivacyProfileCharValue	value must be one of the possibilities described in the referenced profile type
agreement	Reference must be set

Example: Update the John Doe's privacy profile (identified with '394') to tag it as terminated.

REQUEST

PATCH privacyManagement/partyPrivacyProfile/394

Content-type: application/json

```
{
  "id": "394",
  "href": "
http://serverlocation:port/privacyManagement/partyPrivacyProfile/394",
  "status": "Terminated",
  "validFor": {
    "endTime": "2016-04-19T16:42:23-04:00"
  }
}
```

RESPONSE

201

Content-Type: application/json

```
{
  JSON resource representation with all attributes including the changed one
  See Party Privacy Profile resource model for details
}
```

Example: Update the “eMailAddress for ADMIN purpose” Characteristic Value of the John Doe’s privacy profile (identified with ‘394’).

REQUEST

PATCH privacyManagement/ partyPrivacyProfile/394

Content-type: application/json-patch+json

```
[
  {
    "op": "replace",
    "path": "/partyPrivacyProfileCharValue/0",
    "value": {
      "name": "eMailAddress",
      "privacyUsagePurpose": "ADMIN",
      "value": "Authorized",
      "validFor": {
        "startTime": "2016-03-16T15:15:51.209Z",
        "endTime": "2016-04-19T16:42:23.100Z"
      }
    }
  }
]
```

```

    },
    "relatedParty": [
      {
        "id": "10",
        "href": "http
://serverLocation:port/partyManagement/organization/10",
        "role": "Administrator",
        "name": "Orange"
      }
    ]
  }
}, {
  "op": "add",
  "path": "/partyPrivacyProfileCharValue",
  "value": {
    "name": "eMailAddress",
    "privacyUsagePurpose": "ADMIN",
    "value": "Unauthorized",
    "validFor": {
      "startDateTime": "2016-04-19T16:42:23.100Z",
      "endDateTime": ""
    }
  }
}
]

```

RESPONSE

201
Content-Type: application/json

```

{
  JSON resource representation with all attributes including the changed one
  See Party Privacy Profile resource model for details
}

```

PATCH /PRIVACYMANAGEMENT/PARTYPRIVACYAGREEMENT/{ID}

This Uniform Contract operation is used to partially update the representation of a privacy agreement.

Description:

- Patch operation can be used partially update one or more privacy agreements
- The resource represents a managed entity or a collection
- The identifier is a string that can consist of numbers, not necessarily alphanumeric

Behavior:

- Return Status Codes:
 - Returns HTTP/1.1 status code 201 if privacy profile was updated successfully
 - 400 - Bad Request Error
 - 404 - If no record was found for the supplied criteria
 - 500 - The server encountered an unexpected condition which prevented it from fulfilling the request

Patchable attributes for a privacy profile:

Attribute name	Patchable	Rule
id	N	
agreementPeriod	Y	
completionDate	N	
description	Y	
documentNumber	Y	
initialDate	Y	
name	Y	
statementOfIntent	Y	
status	Y	
type	Y	
version	Y	
agreementSpecification	Y	
agreementItem	Y	

engagedPartyRole	Y	
agreementAuthorization	Y	
characteristic	Y	
associatedAgreement	Y	
partyPrivacyProfile	Y	
partyPrivacyProfileCharValue	Y	

Further document any rules that must be implemented when patching attributes.

Rule name	Rule/Pre Condition/Side Effects/Post Conditions
engagedPartyRole	id and name are mandatory
associatedAgreement	id and href are mandatory

Example: Changing the status of the agreement as rejected.

REQUEST
PATCH privacyManagement/ partyPrivacyAgreement/6810 Content-type: application/json-patch+json <pre>[{ "op": "replace", "path": "/status", "value": "rejected" }]</pre>
RESPONSE
201 Content-Type: application/json <pre>{ JSON resource representation with all attributes including the changed one }</pre>

See [Party Privacy Agreement resource model](#) for details

POST /PRIVACYMANAGEMENT/PARTYPRIVACYPROFILETYPE

This operation is used to create a privacy profile type.

- The identifier is a string that can consist of numbers, not necessarily alphanumeric
- The mandatory element(s) is/are
 - partyPrivacyProfileTypeCharacteristic

When using following elements there are some mandatory attributes within each element:

- Within “relatedParty”
 - role
 - href
- Within “applicableRole”
 - role
- Within “partyPrivacyProfileTypeCharacteristic”
 - name
 - privacyUUsagePurpose
 - partyPrivacyProfileTypeCharValue
- The id is generated automatically

Behavior:

- Return Status Codes:
 - 201 - privacy profile type was created successfully
 - 400 - Bad Request Error
 - 500 - The server encountered an unexpected condition which prevented it from fulfilling the request

Attribute name	Mandatory	Default	Rule
id	N	Automatically generated	If not given, the id is generated by the system. It is also possible to add an ID in the POST request, which is then used
version	N	0	

lastUpdate	N	Current date	
name	N		
description	N		
lifecycleStatus	N	In Design	
validFor	N		
relatedParty	N		
applicableRole	N		
partyPrivacyProfileTypeCharacteristic	Y		

Further specify any rules on the creation of the entity

Rule name	Rule/Pre Condition/Side Effects/Post Conditions
relatedParty	role and party are mandatory
applicableRole	role is mandatory
partyPrivacyProfileTypeCharacteristic	a default partyPrivacyProfileCharValue is mandatory

Example: creation of a privacy profile type named Customer Mass Market Privacy

REQUEST
POST privacyManagement/partyPrivacyProfileType Content-type: application/json <pre> { "version": "1.0", "lastUpdate": "2013-04-19T16:42:23-04:00", "name": "Customer Mass Market Privacy", "description": "This is the customer mass market privacy", "lifecycleStatus": "active", "validFor": { "startDateTime": "2013-04-19T16:42:23-04:00", "endDateTime": "2013-06-19T00:00:00-04:00" } } </pre>


```

},
"relatedParty": [
  {
    "id": "1066",
    "href": "http://serverlocation:port/partyManagement/individual/1066",
    "role": "Profile Type Admin",
    "name": "James Smith"
  }
],
"applicableRole": [
  {
    "role": "Customer"
  }
],
"partyPrivacyProfileTypeCharacteristic": [
  { // ALWAYS example
    "id": "42",
    "name": "eMailAddress",
    "privacyUsagePurpose": "ADMIN",
    "description": "this is the email address privacy for internal ADMIN purpose",
    "privacyType": "Internal Purpose",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    }
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "string",
      "default": true,
      "value": "Authorized",
      "validityDuration": "Always"
    }
  ],
  "relatedRole": [
    {
      "role": "Administrator"
    }
  ]
},
{ // OPT-OUT example
  "id": "43",
  "name": "eMailAddress",
  "privacyUsagePurpose": "INFORMATION",
  "description": "this is the email address privacy attributes for internal
INFORMATION purpose",
  "privacyType": "Internal Purpose",
  "criticalityLevel": "low",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  }
},
"partyPrivacyProfileTypeCharValue": [
  {
    "valueType": "string",
    "default": true,
    "value": "Authorized",
    "validityDuration": "Always"
  }
]

```

```

    },
    {
      "valueType": "string",
      "default": false,
      "value": "Unauthorized",
      "validityDuration": "Always"
    }
  ],
  "relatedRole": [
    {
      "role": "Vendor"
    },
    {
      "role": "Employee"
    }
  ]
},
{ // OPT-IN example
  "id": "44",
  "name": "eMailAddress",
  "privacyUsagePurpose": "MARKETING",
  "description": "this is the email address privacy attributes for internal
MARKETING purpose",
  "privacyType": "Internal Purpose",
  "criticalityLevel": "high",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "string",
      "default": true,
      "value": "Unauthorized",
      "validityDuration": "Always"
    },
    {
      "valueType": "string",
      "default": false,
      "value": "Authorized",
      "validityDuration": "3 months"
    }
  ],
  "relatedRole": [
    {
      "role": "Vendor"
    }
  ]
},
{ // NEVER example
  "id": "45",
  "name": "eMailAddress",
  "privacyUsagePurpose": "RESEARCH",
  "description": "this is the email address privacy attributes for internal
RESEARCH purpose",
  "privacyType": "Internal Purpose",
  "criticalityLevel": "low",
  "validFor": {

```

```

    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "string",
      "default": true,
      "value": "Unauthorized",
      "validityDuration": "Always"
    }
  ],
  "relatedRole": [
    {
      "role": "Employee"
    }
  ]
},
{ // External purpose example
  "id": "46",
  "name": "eMailAddress",
  "privacyUsagePurpose": "ADMIN",
  "description": "this is the email address privacy attributes for external ADMIN
purposes",
  "privacyType": "External Purpose",
  "criticalityLevel": "low",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "string",
      "default": true,
      "value": "Unauthorized",
      "validityDuration": "Always"
    }
  ],
  "relatedRole": [
    {
      "role": "Administrator"
    }
  ]
},
{ // Internal Retention example
  "id": "47",
  "name": "eMailAddress",
  "description": "this is the internal retention privacy rule for email address",
  "privacyType": "Internal Retention",
  "criticalityLevel": "low",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "string",
      "default": true,
      "value": "Indefinitely",

```

```

        "validityDuration": "Always"
    }
]
},
{ // External Retention example
  "id": "48",
  "name": "eMailAddress",
  "description": "this is the external retention privacy rule for email address",
  "privacyType": "External Retention",
  "criticalityLevel": "low",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "string",
      "default": true,
      "value": "No-retention",
      "validityDuration": "Always"
    }
  ]
},
{ // choice of Internal Retention example
  "id": "49",
  "name": "Invoice Amount",
  "description": "this is the retention privacy rule for invoice amount",
  "privacyType": "Internal Retention",
  "criticalityLevel": "low",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "numeric",
      "default": true,
      "unitOfMeasure": "Year",
      "value": "15",
      "validityDuration": "Always"
    },
    {
      "valueType": "numeric",
      "default": false,
      "unitOfMeasure": "Year",
      "fromValue": "10",
      "toValue": "20",
      "rangeInterval": "1",
      "validityDuration": "Always"
    }
  ]
}
]
}
}
}
}
}

```

RESPONSE

201

Content-Type: application/json

```

{
  "id": "103",
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfileType/103",
  "version": "1.0",
  "lastUpdate": "2013-04-19T16:42:23-04:00",
  "name": "Customer Mass Market Privacy",
  "description": "This is the customer mass market privacy",
  "lifecycleStatus": "active",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": "2013-06-19T00:00:00-04:00"
  },
  "relatedParty": [
    {
      "id": "1066",
      "href": "http://serverlocation:port/partyManagement/individual/1066",
      "role": "Profile Type Admin",
      "name": "James Smith"
    }
  ],
  "applicableRole": [
    {
      "role": "Customer"
    }
  ],
  "partyPrivacyProfileTypeCharacteristic": [
    { // ALWAYS example
      "id": "42",
      "name": "eMailAddress",
      "privacyUsagePurpose": "ADMIN",
      "description": "this is the email address privacy for internal ADMIN purpose",
      "privacyType": "Internal Purpose",
      "criticalityLevel": "low",
      "validFor": {
        "startDateTime": "2013-04-19T16:42:23-04:00",
        "endDateTime": ""
      },
      "partyPrivacyProfileTypeCharValue": [
        {
          "valueType": "string",
          "default": true,
          "value": "Authorized",
          "validityDuration": "Always"
        }
      ],
      "relatedRole": [
        {
          "role": "Administrator"
        }
      ]
    },
    { // OPT-OUT example
      "id": "43",
      "name": "eMailAddress",
      "privacyUsagePurpose": "INFORMATION",

```

```

    "description": "this is the email address privacy attributes for internal
INFORMATION purpose",
    "privacyType": "Internal Purpose",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Authorized",
        "validityDuration": "Always"
      },
      {
        "valueType": "string",
        "default": false,
        "value": "Unauthorized",
        "validityDuration": "Always"
      }
    ],
    "relatedRole": [
      {
        "role": "Vendor"
      },
      {
        "role": "Employee"
      }
    ]
  },
  { // OPT-IN example
    "id": "44",
    "name": "eMailAddress",
    "privacyUsagePurpose": "MARKETING",
    "description": "this is the email address privacy attributes for internal
MARKETING purpose",
    "privacyType": "Internal Purpose",
    "criticalityLevel": "high",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Unauthorized",
        "validityDuration": "Always"
      },
      {
        "valueType": "string",
        "default": false,
        "value": "Authorized",
        "validityDuration": "3 months"
      }
    ],
    "relatedRole": [

```

```

    {
      "role": "Vendor"
    }
  ]
},
{ // NEVER example
  "id": "45",
  "name": "eMailAddress",
  "privacyUsagePurpose": "RESEARCH",
  "description": "this is the email address privacy attributes for internal
RESEARCH purpose",
  "privacyType": "Internal Purpose",
  "criticalityLevel": "low",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "string",
      "default": true,
      "value": "Unauthorized",
      "validityDuration": "Always"
    }
  ],
  "relatedRole": [
    {
      "role": "Employee"
    }
  ]
},
{ // External purpose example
  "id": "46",
  "name": "eMailAddress",
  "privacyUsagePurpose": "ADMIN",
  "description": "this is the email address privacy attributes for external ADMIN
purposes",
  "privacyType": "External Purpose",
  "criticalityLevel": "low",
  "validFor": {
    "startDateTime": "2013-04-19T16:42:23-04:00",
    "endDateTime": ""
  },
  "partyPrivacyProfileTypeCharValue": [
    {
      "valueType": "string",
      "default": true,
      "value": "Unauthorized",
      "validityDuration": "Always"
    }
  ],
  "relatedRole": [
    {
      "role": "Administrator"
    }
  ]
},
{ // Internal Retention example

```

```

    "id": "47",
    "name": "eMailAddress",
    "description": "this is the internal retention privacy rule for email address",
    "privacyType": "Internal Retention",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "Indefinitely",
        "validityDuration": "Always"
      }
    ]
  },
  { // External Retention example
    "id": "48",
    "name": "eMailAddress",
    "description": "this is the external retention privacy rule for email address",
    "privacyType": "External Retention",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "string",
        "default": true,
        "value": "No-retention",
        "validityDuration": "Always"
      }
    ]
  },
  { // choice of Internal Retention example
    "id": "49",
    "name": "Invoice Amount",
    "description": "this is the retention privacy rule for invoice amount",
    "privacyType": "Internal Retention",
    "criticalityLevel": "low",
    "validFor": {
      "startDateTime": "2013-04-19T16:42:23-04:00",
      "endDateTime": ""
    },
    "partyPrivacyProfileTypeCharValue": [
      {
        "valueType": "numeric",
        "default": true,
        "unitOfMeasure": "Year",
        "value": "15",
        "validityDuration": "Always"
      },
      {
        "valueType": "numeric",
        "default": false,

```



```
    "unitOfMeasure": "Year",
    "fromValue": "10",
    "toValue": "20",
    "rangeInterval": "1",
    "validityDuration": "Always"
  }
}
]
```

POST /PRIVACYMANAGEMENT/PARTYPRIVACYPROFILE

This operation is used to create a privacy profile.

- The identifier is a string that can consist of numbers, not necessarily alphanumeric
- The mandatory element(s) is/are:
 - agreedByParty
 - partyPrivacyProfileType
 - partyPrivacyProfileCharValue

When using following elements there are some mandatory attributes within each element:

- Within “agreedByParty”
 - role
 - href
- Within “partyPrivacyProfileType”
 - href
- Within “partyPrivacyProfileCharValue”
 - name
 - privacyUsagePurpose
 - value
- Within “agreement”
 - href
- The id is generated automatically

Behavior:

- Return Status Codes:
 - 201 – privacy profile was created successfully
 - 400 - Bad Request Error
 - 500 - The server encountered an unexpected condition which prevented it from fulfilling the request

Specify the attributes required when an entity is created (and their default values if not):

Attribute name	Mandatory	Default	Rule
id	N	Automatically generated	If not given, the id is generated by the system. It is also possible to add an ID in the POST request, which is then used
name	N		
description	N		
dateCreated	N	Current date	
status	N	Created	
validFor	N		
agreedByParty	Y		
partyPrivacyProfileType	Y		
partyPrivacyProfileCharValue	Y		
agreement	N		

Further specify any rules on the creation of the entity

Rule name	Rule/Pre Condition/Side Effects/Post Conditions
partyPrivacyProfileCharValue	value must be one of the possibilities described in the referenced profile type
agreedByParty	role and party are mandatory
partyPrivacyProfileType	reference must be set
agreement	reference must be set

Example: Creation of a new profile type, which is an instantiation of the privacy profile type '103' already created in the privacy referential.

REQUEST

POST privacyManagement/partyPrivacyProfile
 Content-type: application/json

```
{
  "name": "John Doe's Privacy Profile",
  "description": "This is John Does Privacy profile",
  "dateCreated": "2016-03-16T15:15:51.209Z",
  "status": "agreed",
  "validFor": {
    "startDateTime": "2016-03-16T15:15:51.209Z",
    "endDateTime": ""
  },
  "agreedByParty": {
    "id": "2345",
    "href": "http://serverLocation:port/partyManagement/individual/2345",
    "role": "Customer",
    "name": "John Doe"
  },
  "partyPrivacyProfileType": {
    "id": "103",
    "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfileType/103"
  },
  "partyPrivacyProfileCharValue": [
    {
      "name": "eMailAddress",
      "privacyUsagePurpose": "ADMIN",
      "value": "Authorized",
      "validFor": {
        "startDateTime": "2016-03-16T15:15:51.209Z",
        "endDateTime": ""
      }
    },
    "relatedParty": [
      {
        "id": "10",
        "href": "http://serverLocation:port/partyManagement/organization/10",
        "role": "Administrator",
        "name": "Orange"
      }
    ]
  },
  {
    "name": "eMailAddress",
    "privacyUsagePurpose": "INFORMATION",
    "value": "Authorized",
    "validFor": {
      "startDateTime": "2016-03-16T15:15:51.209Z",
      "endDateTime": ""
    }
  },
  "relatedParty": [
    {
      "id": "11",
      "href": "http://serverLocation:port/partyManagement/individual/11",
      "role": "Vendor",
      "name": "Alice"
    }
  ]
}
```

```

    },
    {
      "id": "12",
      "href": "http://serverLocation:port/partyManagement/individual/12",
      "role": "Employee",
      "name": "Bob"
    }
  ]
},
{
  "name": "eMailAddress",
  "privacyUsagePurpose": "MARKETING",
  "value": "Authorized",
  "validFor": {
    "startDateTime": "2016-03-16T15:15:51.209Z",
    "endDateTime": "2016-06-16T15:15:51.209Z"
  },
  "relatedParty": [
    {
      "id": "11",
      "href": "http://serverLocation:port/partyManagement/individual/11",
      "role": "Vendor",
      "name": "Alice"
    }
  ],
  "characteristicAgreement": {
    "id": "6810",
    "href":
"http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810"
  }
},
{
  "name": "eMailAddress",
  "privacyUsagePurpose": "RESEARCH",
  "value": "Unauthorized",
  "validFor": {
    "startDateTime": "2016-03-16T15:15:51.209Z",
    "endDateTime": ""
  },
  "relatedParty": [
    {
      "id": "12",
      "href": "http://serverLocation:port/partyManagement/individual/12",
      "role": "Employee",
      "name": "Bob"
    }
  ]
}
],
"agreement": {
  "id": "6810",
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810",
  "type": "commercial"
}
}

```

RESPONSE

201

Content-Type: application/json

```

{
  "id": "394",
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfile/394",
  "name": "John Doe's Privacy Profile",
  "description": "This is John Does Privacy profile",
  "dateCreated": "2016-03-16T15:15:51.209Z",
  "status": "agreed",
  "validFor": {
    "startDateTime": "2016-03-16T15:15:51.209Z",
    "endDateTime": ""
  },
},
"agreedByParty": {
  "id": "2345",
  "href": "http ://serverLocation:port/partyManagement/individual/2345",
  "role": "Customer",
  "name": "John Doe"
},
"partyPrivacyProfileType": {
  "id": "103",
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyProfileType/103"
},
"partyPrivacyProfileCharValue": [
  {
    "name": "eMailAddress",
    "privacyUsagePurpose": "ADMIN",
    "value": "Authorized",
    "validFor": {
      "startDateTime": "2016-03-16T15:15:51.209Z",
      "endDateTime": ""
    },
  },
  "relatedParty": [
    {
      "id": "10",
      "href": "http ://serverLocation:port/partyManagement/organization/10",
      "role": "Administrator",
      "name": "Orange"
    }
  ]
},
{
  "name": "eMailAddress",
  "privacyUsagePurpose": "INFORMATION",
  "value": "Authorized",
  "validFor": {
    "startDateTime": "2016-03-16T15:15:51.209Z",
    "endDateTime": ""
  },
},
"relatedParty": [
  {
    "id": "11",
    "href": "http ://serverLocation:port/partyManagement/individual/11",
    "role": "Vendor",
    "name": "Alice"
  }
},

```

```

    {
      "id": "12",
      "href": "http://serverLocation:port/partyManagement/individual/12",
      "role": "Employee",
      "name": "Bob"
    }
  ],
  {
    "name": "eMailAddress",
    "privacyUsagePurpose": "MARKETING",
    "value": "Authorized",
    "validFor": {
      "startDateTime": "2016-03-16T15:15:51.209Z",
      "endDateTime": "2016-06-16T15:15:51.209Z"
    },
    "relatedParty": [
      {
        "id": "11",
        "href": "http://serverLocation:port/partyManagement/individual/11",
        "role": "Vendor",
        "name": "Alice"
      }
    ],
    "characteristicAgreement": {
      "id": "6810",
      "href":
"http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810"
    }
  },
  {
    "name": "eMailAddress",
    "privacyUsagePurpose": "RESEARCH",
    "value": "Unauthorized",
    "validFor": {
      "startDateTime": "2016-03-16T15:15:51.209Z",
      "endDateTime": ""
    },
    "relatedParty": [
      {
        "id": "12",
        "href": "http://serverLocation:port/partyManagement/individual/12",
        "role": "Employee",
        "name": "Bob"
      }
    ]
  }
],
"agreement": {
  "id": "6810",
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810",
  "type": "commercial"
}
}

```

POST /PRIVACYMANAGEMENT/PARTYPRIVACYAGREEMENT

This operation is used to create a privacy agreement.

- The identifier is a string that can consist of numbers, not necessarily alphanumeric
- The mandatory element(s) is/are:
 - name
 - type
 - engagedPartyRole
 - agreementItem

When using following elements there are some mandatory attributes within each element:

- Within “engagedPartyRole”
 - id
 - name
- Within “associatedAgreement”
 - id
 - href
- The id is generated automatically

Behavior:

- Return Status Codes:
 - 201 – privacy profile was created successfully
 - 400 - Bad Request Error
 - 500 - The server encountered an unexpected condition which prevented it from fulfilling the request

Specify the attributes required when an entity is created (and their default values if not):

Attribute name	Mandatory	Default	Rule
id	N	Automatically generated	If not given, the id is generated by the system. It is also possible to add an ID in the POST request, which is then used
agreementPeriod	N		
completionDate	N	Current date	
description	N		
documentNumber	N		

initialDate	N		
name	Y		
statementOfIntent	N		
status	N		
type	Y		
version	N	0	
agreementSpecification	N		
agreementItem	Y		
engagedPartyRole	Y		
agreementAuthorization	N		
characteristic	N		
associatedAgreement	N		
partyPrivacyProfile	N		
partyPrivacyProfileCharValue	N		

Further specify any rules on the creation of the entity

Rule name	Rule/Pre Condition/Side Effects/Post Conditions
engagedPartyRole	id and name are mandatory
associatedAgreement	id and href are mandatory

Example: Creation of an Agreement resource, with only the mandatory attributes.

REQUEST

POST privacyManagement/partyPrivacyProfile
Content-type: application/json

```
{
  "name": "Customer mass market privacy agreement",
  "type": "commercial",
  "agreementItem": [
    {
      "productOffering": [
        {
          "href": "https://host:port/productOffering/productOffering/9559",
          "id": "9559",
          "name": "Privacy Service",
          "bundledProductOffering": [
            {
              "href": "https://host:port/productOffering/bundledProductOffering/7120",
              "id": "7120",
              "name": "Magic Offer",
              "bundledProductOffering": []
            }
          ]
        }
      ]
    }
  ],
  "termOrCondition": [
    {
      "description": "This agreement term or condition ...",
      "id": "8905",
      "validFor": {
        "startDateTime": "2016-03-16T15:15:51.211Z",
        "endDateTime": "2016-09-16T15:15:51.211Z"
      }
    }
  ]
},
"engagedPartyRole": [
  {
    "href": "http://serverLocation:port/partyManagement/partyRole/1",
    "id": "1",
    "name": "Customer",
    "partyId": "2345",
    "partyName": "John Doe"
  }
]
}
```

RESPONSE

201
Content-Type: application/json

```
{
  "href": "http://serverlocation:port/privacyManagement/partyPrivacyAgreement/6810",
```

```

    "id": "6810",
    "completionDate": "2016-10-16",
    "name": "Customer mass market privacy agreement",
    "type": "commercial",
    "version": "0",
    "agreementItem": [
      {
        "productOffering": [
          {
            "href": "https://host:port/productOffering/productOffering/9559",
            "id": "9559",
            "name": "Privacy Service",
            "bundledProductOffering": [
              {
                "href": "https://host:port/productOffering/bundledProductOffering/7120",
                "id": "7120",
                "name": "Magic Offer",
                "bundledProductOffering": []
              }
            ]
          }
        ]
      }
    ],
    "termOrCondition": [
      {
        "description": "This agreement term or condition ...",
        "id": "8905",
        "validFor": {
          "startDateTime": "2016-03-16T15:15:51.211Z",
          "endDateTime": "2016-09-16T15:15:51.211Z"
        }
      }
    ]
  },
  "engagedPartyRole": [
    {
      "href": "http://serverLocation:port/partyManagement/partyRole/1",
      "id": "1",
      "name": "Customer",
      "partyId": "2345",
      "partyName": "John Doe"
    }
  ]
}

```

DELETE /PRIVACYMANAGEMENT/PARTYPRIVACYPROFILETYPE/{ID} OR /PARTYPRIVACYPROFILE/{ID} OR /PARTYPRIVACYAGREEMENT/{ID}

Only useful and allowed for administration matters

REQUEST

DELETE privacyManagement/partyPrivacyProfileType/103

RESPONSE

200

POST /PRIVACYMANAGEMENT/IMPORTJOB

ImportJob Tasks are created as resources.

The ImportJob is attached to the URL of the root resource where the content of the file specified by the ImportJob will be applied.

For example to apply the content of the import file located at <ftp://ftp.myPrivacy.com/privacy/54> to the privacyManagement root.

REQUEST

POST ../privacyManagement/importJob
Content-type: application/json

```
{  
  "url": "ftp://ftp.myPrivacy.com/privacy/54"  
}
```

RESPONSE

201
Content-Type: application/json
Location: ../privacyManagement/importJob/554

```
{  
  "id": "54",  
  "href": "http://api/privacyManagement/importJob/54",  
  "status": "running",  
  "path": "privacyManagement/",  
  "content-type": "application/json",  
  "errorLog": "",  
  "creationDate": "2013-04-19T16:42:23-04:00",  
  "url": "ftp://ftp.myPrivacy.com/party/54"  
}
```

POST /PRIVACYMANAGEMENT/EXPORTJOB

ExportJob Tasks are created as resources.

The ExportJob is attached to a specific resource acting as the root for the collection of resources to be streamed to a File.

An ExportJob can be attached to a specific Resource in the Privacy Management application or may be attached to the Party Privacy Profile Type, Profile or Agreement collections

- ../privacyManagement/exportJob
Export all the resources within privacyManagement subject to query and path assignments.
- ../privacyManagement/partyPrivacyProfileType/exportJob
Export all the privacy profile type resources within privacyManagement subject to query and path assignments.

For example:

REQUEST
POST ../privacyManagement/exportJob Content-type: application/json <pre>{ }</pre>
RESPONSE
201 Content-Type: application/json Location: ../privacyManagement/exportJob/54 <pre>{ "id": "54", "href": "http://api/privacyManagement/exportJob/54", "status": "running", "path": "privacyManagement/", "content-type": "application/json", "errorLog": "", "creationDate": "2013-04-19T16:42:23-04:00", "completionDate": "2013-04-21T16:42:23-04:00", "url": "ftp://ftp.myPrivacy.com/privacy/54" }</pre>

GET PRIVACYMANAGEMENT/EXPORTJOB

ExportJob resources can be found under the API/exportJob collection and may be retrieved using the

normal GET constructs.

For example:

REQUEST
GET ../privacyManagement/exportJob/54 Content-type: application/json { }
RESPONSE
200 Content-Type: application/json { "id": "54", "href": "http://api/privacyManagement/exportJob/54", "status": "running", "path": "privacyManagement/", "content-type": "application/json", "errorLog": "", "creationDate": "2013-04-19T16:42:23-04:00", "completionDate": "2013-04-21T16:42:23-04:00", "url": "ftp://ftp.myPrivacy.com/privacy/54" }

GET PRIVACYMANAGEMENT/IMPORTJOB

ImportJob resources can be found under the API/importJob collection and may be retrieved using the normal GET constructs.

For example:

REQUEST
GET ../privacyManagement/importJob/54 Content-type: application/json { }
RESPONSE
200 Content-Type: application/json

```
{  
  "id": "54",  
  "href": "http://api/privacyManagement/importJob/54",  
  "status": "running",  
  "path": "privacyManagement/",  
  "content-type": "application/json",  
  "errorLog": "",  
  "creationDate": "2013-04-19T16:42:23-04:00",  
  "completionDate": "2013-04-21T16:42:23-04:00",  
  "url": "ftp://ftp.myPrivacy.com/privacy/54"  
}
```

API NOTIFICATION TEMPLATES

For every single of operation on the entities use the following templates and provide sample REST notification POST calls.

It is assumed that the Pub/Sub uses the Register and UnRegister mechanisms described in the REST Guidelines reproduced below.

REGISTER LISTENER POST /HUB

Description:

Sets the communication endpoint address the service instance must use to deliver information about its health state, execution state, failures and metrics. Subsequent POST calls will be rejected by the service if it does not support multiple listeners. In this case DELETE /api/hub/{id} must be called before an endpoint can be created again.

Behavior:

- Returns HTTP/1.1 status code 204 if the request was successful.
- Returns HTTP/1.1 status code 409 if request is not successful.

REQUEST
POST /api/hub Accept: application/json <pre>{ "callback": "http://in.listener.com" }</pre>
RESPONSE
201 Content-Type: application/json Location: /api/hub/42 <pre>{ "id": "42", "callback": "http://in.listener.com", "query": null }</pre>

UNREGISTER LISTENER DELETE HUB/{ID}

Description:

Clears the communication endpoint address that was set by creating the Hub.

Behavior:

- Returns HTTP/1.1 status code 204 if the request was successful.
- Returns HTTP/1.1 status code 404 if the resource is not found.

REQUEST
DELETE /api/hub/{id} Accept: application/json
RESPONSE
204

PUBLISH {EVENTTYPE} POST /LISTENER

Description:

Provides the Event description

Behavior:

Returns HTTP/1.1 status code 201 if the service is able to set the configuration.

REQUEST
POST /client/listener Accept: application/json <pre>{ "eventType": "EventType", "eventTime": "2014-09-27T05:46:25.0Z", "eventId": "1562231", "event": { EVENT BODY } }</pre>
RESPONSE
201 Content-Type: application/json

Example see TMF REST Design Guidelines.

ACKNOWLEDGMENTS

VERSION HISTORY

Version Number	Date	Modified by	Description
Version 1.0.0	15/04/2016	Pierre Gauthier TM Forum	Final version
Version 1.0.1	10/06/2016	Alicja Kawecki TM Forum	Updated cover; minor formatting/style corrections prior to publishing for Fx16
Version 1.0.2	04/10/2016	Alicja Kawecki TM Forum	Updated cover and Notice to reflect TM Forum Approved status

RELEASE HISTORY

Release Number	Date	Release led by:	Description
Release 1.0	15/04/2016	Pierre Gauthier TM Forum pgauthier@tmforum.org Fabien Venries (Orange) Julie Bertrand (Orange)	First Release of Draft Version of the Document.

CONTRIBUTORS TO DOCUMENT

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