# Party Membership

[Entities](entity.md) memberships on different parties. Basically assigns persons or organisations to parties.

## Relevant links

* [API Documentation](../api/v0/index.html#/operations/list_party_membership)
* [Download docx](../download/party_membership.docx)

## Fields

| Name | Description | Format | Reference |
| --- | --- | --- | --- |
| id | Unique surrogate identifier. | bigintRead only |  |
| party\_id | Reference to the party that the membership links to an entity. | bigintRequiredNon-updatable | [party.id](party.md#field-id) |
| entity\_id | Reference to the entity that the party represents. | bigintRequiredNon-updatable | [entity.id](entity.md#field-id) |
| scopes | List of scopes granted to the entity when it acts as the party. Scopes are inspired from OAuth 2.0 and allow refinement of access control and privilege delegation mechanisms. | RequiredArray |  |
| recorded\_at | When the resource was recorded (created or updated) in the system. | timestamp with time zoneRead only |  |
| recorded\_by | The identity that recorded the resource. | bigintRead only |  |

## Validation Rules

No validation rules.

## Notifications

No notifications.

## Authorization

### Resource Level Authorization

Below is the [RLA](../technical/auth.md#resource-level-authorization-rla) for the resource. The default policy is **deny**.

#### Entity

| Policy key | Policy | Status |
| --- | --- | --- |
| PTYM-ENT001 | Read all the PTYM concerning the current entity | DONE |
| PTYM-ENT002 | Read all the PTYM in parties that they own | DONE |

#### Anonymous

No policies.

#### Common

| Policy key | Policy | Status |
| --- | --- | --- |
| PTYM-COM001 | Read all the PTYM concerning the current party | DONE |
| PTYM-COM002 | Read all the history of PTYM concerning the current party | DONE |

#### Balance Responsible Party

No policies.

#### End User

No policies.

#### Energy Supplier

No policies.

#### Flexibility Information System Operator

| Policy key | Policy | Status |
| --- | --- | --- |
| PTYM-FISO001 | Create, read, and delete all PTYM | DONE |
| PTYM-FISO002 | Read all PTYM history | DONE |

#### Market Operator

No policies.

#### Organisation

| Policy key | Policy | Status |
| --- | --- | --- |
| PTYM-ORG001 | Read, create, update and delete PTYM on all parties owned by the entity owning the organisation party. | DONE |
| PTYM-ORG002 | Read PTYM history on all parties owned by the entity owning the organisation party. | DONE |

#### System Operator

No policies.

#### Service Provider

No policies.

#### Third Party

No policies.

### Field Level Authorization

For party type abbreviations, check [the auth docs](../technical/auth.md#party-market-actors)

| FIELD | ANON | BRP | ES | EU | FISO | MO | SO | SP | TP | ORG |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| id |  | R | R | R | R | R | R | R | R | R |
| entity\_id |  | R | R | R | RC | R | R | R | R | RC |
| party\_id |  | R | R | R | RC | R | R | R | R | RC |
| scopes |  | R | R | R | RCU | R | R | R | R | RCU |
| recorded\_at |  | R | R | R | R | R | R | R | R | R |
| recorded\_by |  | R | R | R | R | R | R | R | R | R |