# Party

The thing that interacts with and are authorized in the Flexibility Information System.

A party can have different types, e.g. system operator or end user.

## Business Identifiers

Business identifiers for party originate outside of the system. The system itself will not generate or administer these identifiers. As an example, a service provider registration procedure will require the party to obtain a GLN from GS1 or an EIC-X from ENTSO-E prior to registration (probably via the Ediel Register).

We support both GLN and EIC-X as identifiers for parties, since they are both used and globally unique.

The exception to this rule is the End User party type, which is not required to have an external business identifier. End Users are modelled as parties to standardize/simplify the authorization logic. For those parties, the system will generate a UUID as the business identifier.

## Relevant links

* [API Documentation](https://flex-test.elhub.no/api/v0/#/operations/list_party)
* [Download docx](../download/party.docx)

## Fields

| Name | Description | Format | Reference |
| --- | --- | --- | --- |
| id | Unique surrogate identifier. | bigintRead only |  |
| business\_id | The business identifier of the party. Format depends on business\_id\_type. | textNon-updatable |  |
| business\_id\_type | The type of the business identifier. | textOne of: gln, uuid, eic\_xDefault: uuidNon-updatable |  |
| entity\_id | Reference to the entity that is the parent of the party. | bigintRequiredNon-updatable | [entity.id](entity.md#field-id) |
| name | Name of the party. Maximum 128 characters. | textRequired |  |
| role | The role of the party. Currently maps to 1:1 to type. E.g. system\_operator, service\_provider. | textRequiredNon-updatable |  |
| type | The type of the party, e.g SystemOperator, ServiceProvider | textRequiredNon-updatable |  |
| status | The status of the party. | textOne of: new, active, inactive, suspended, terminatedDefault: new |  |
| 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

| Policy key | Policy | Status |
| --- | --- | --- |
| PTY-VAL001 | business\_id\_type is UUID if and only if the party is an end\_user. | DONE |
| PTY-VAL002 | business\_id is not required if business\_id\_type is UUID (it will be generated). | DONE |

## 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 |
| --- | --- | --- |
| PTY-ENT001 | Read all PTY whose memberships they can read | DONE |

#### Anonymous

No policies.

#### Common

| Policy key | Policy | Status |
| --- | --- | --- |
| PTY-COM001 | Read history on PTY that they can read. | DONE |
| PTY-COM002 | Read all PTY that are not end\_user | DONE |
| PTY-COM003 | Read all PTY whose memberships they can read | DONE |

#### Balance Responsible Party

No policies.

#### End User

No policies.

#### Energy Supplier

No policies.

#### Flexibility Information System Operator

| Policy key | Policy | Status |
| --- | --- | --- |
| PTY-FISO001 | Create, read and update all PTY | DONE |

#### Market Operator

No policies.

#### 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)

| FIELD | ANON | BRP | ES | EU | FISO | MO | SO | SP | TP |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| id |  | R | R | R | R | R | R | R | R |
| name |  | R | R | R | RCU | R | R | R | R |
| business\_id |  | R | R | R | RC | R | R | R | R |
| business\_id\_type |  | R | R | R | RC | R | R | R | R |
| entity\_id |  | R | R | R | RC | R | R | R | R |
| type |  | R | R | R | RC | R | R | R | R |
| role |  | R | R | R | RC | R | R | R | R |
| status |  | R | R | R | RU | R | R | R | R |
| recorded\_at |  | R | R | R | R | R | R | R | R |
| recorded\_by |  | R | R | R | R | R | R | R | R |