

Description of X-Road services provided by Pääsuke (Oraakliliides)

Version 1.0.0

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1. Introduction

This API is for third-party applications that keep authorisations in Pääsuke and make queries to Pääsuke to find out which authorisations are valid at the moment.

The motivation for an application to store the mandates in Pääsuke is the possibility of focusing on the application's functionality and leaving, adding, and deleting mandates to Pääsuke.

The following OpenAPI definition accompanies the document:

- <https://app.swaggerhub.com/apis/TUGI/paasuke-oraakiliides/>

It is recommended to read the following document first:

- Rollide konfigureerimine läbi rollikonfiguraatori rakenduse kasutajaliides

The main logic of this web service is described in the following chapters:

- Chapter 3.2 - Query getDelegateRepresentees - "Who can this person represent?"
- Chapter 3.3 - Query getRepresenteeDelegateMandates - "What mandates does the user have under a representee?"
- Chapter 6 - Querying representation rights defined in the e-Business Register

1.1 Versions

Version	Date	Description and changes
0.1.0		
0.2.0	05.05.2023	First public draft with the services that are offered by parties who keep mandates in Pääsuke and need to pull that info
0.3.0	06.07.2023	The query that returns mandates no longer returns details about the representee and delegate, only mandates.
0.4.0	07.07.2023	The "roleStartsWith" query parameter was replaced with "ns", and the "roleIn" query parameter was renamed to "role."
0.5.0	04.10.2023	By specifying the following query string: ?ns=A&ns=B&role=B:bbb it means that we want all the roles in namespace "A" (as it is only specified under the "ns" parameter) and under the namespace "B", we are only interested in role "B: B". Query getRepresenteeDelegateMandates is changed to return information about the representee and delegate.
0.5.1	06.10.2023	The return type of getRepresenteeDelegateMandates changed from an array (with 0..1 records) to a single object
0.5.2	10.10.2023	The user must specify at least one "ns" parameter, at least one "role" parameter, or both. If both "ns" and "role" are specified, the conditions are joined with logical "or."

0.5.3	26.02.2024	Specify the Response if there are no mandates to return (chapter 3.3.2). Added HTTP status codes 500 and 503. More minor adjustments (mostly related to the fact that Pääsuke is now available in the production environment).
0.5.4	29.05.2024	Added restriction - path parameters "representee" and "delegate" start with a two-letter country code followed by 1-256 non-whitespace characters
1.0.0	20.02.2024	The new query "getRepresenteeDirectDelegatesWithMandatesAndSubDelegates" is documented in Chapter 5. The instructions for configuring roles have been moved to a new document, "Rollide konfigureerimine läbi rollikonfiguraatori rakenduse kasutajaliidese". The document "Querying representation rights defined in the e-Business Register" has been incorporated into the current document as Chapter 6. The word "mandate" is replaced with the word "authorisation" in the documentation (but in the payloads, the authorisations are still referred to as mandates).

1.2 Terminology

- **Representee** - a person (private or legal) who has given authorisation to a delegate to be represented by that delegate (or its sub-delegates)
- **Delegate** - a person (private or legal) to whom a representee has granted an authorisation to represent itself.
- **Role** - a group of privileges used in an e-service that a representee can grant to a delegate.
- **Role code** - unique identifier of the role.
- **Role namespace**—The role namespace is the first part of the role code until the first colon (a colon is excluded).
- **Mandate** - an authorisation with a role code created by a representee to a delegate

1.3 Some names are uppercase, and some are not

1.3.1 How Pääsuke returns person names

Pääsuke returns person names in the same format as obtained from the data sources. Most legal persons are in regular cases (e.g., "OÜ Man and the Dog"), while most natural persons, although not all, are in upper case (e.g., "JOHN SMITH").

1.3.2 Where Pääsuke obtains the person's names

Pääsuke retrieves names of individuals from various sources.

The system automatically synchronises the names of legal entities from the Estonian e-Business Register. Although there may be exceptions, these names are generally not in upper case.

Names of natural persons are obtained from two different sources:

- Suppose a natural person becomes a representative of a legal entity. In that case, their details are retrieved from the Estonian e-Business Register, and the name will appear as it does on the document (e.g., John Smith).
- If a natural person's name is obtained from the Population Register, it will be in upper case, as the Population Register provides all names in upper case.

1.3.3 Advice on how to display the names

The simplest option is to display all names in upper case.

The second option is to display all natural person names in the upper case (as 95% of them are returned in the upper case anyway).

If you want to convert all names to camel case, you must be aware that there are many exceptions to this:

- MTÜ, OÜ, AS, UÜ, TÜ are generally left uppercase
- There are last names like McDonald (around 87 surnames in Pääsuke start with "Mc" and are not followed by space)

1.3 X-Road headers

If one needs to test the queries, then one needs to add the following x-road headers (with sample values) and the accept parameter:

```
curl \
-H "accept: application/json" \
-H "X-Road-Client: ee-dev/GOV/70001234/generic-consumer" \
-H "X-Road-UserId: EE39912310123" \
-H "X-Road-Id: EMTA_08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad22aacdf5e" \
...
```

An example showing how to perform sending a query in the X-Road ee-dev environment:

```
curl --insecure \
-H "accept: application/json" \
-H "X-Road-Client: ee-dev/GOV/70001234/generic-consumer" \
-H "X-Road-UserId: EE39912310123" \
-H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad22aacdf5e" \
-X GET "https://xroad-security-server/r1/ee-dev/GOV/70006317/volitused/oraakel/delegates/EE39912310123/representees?
ns=ARGUMENT_CLINIC_DEMO"
```

1.3.1 Note about setting the header param X-Road-UserId

The X-Road-UserId parameter always has to be present if a real person is making a request. It is used for logging purposes, and no access checks are performed based on the value. This value can be missing if a background process makes the request.

1.4 Playing with the service using Postman

1.4.1 Getting the OpenAPI Definitions

- Navigate to <https://x-tee.ee/catalogue/ee-test> filter by name enter "oraakel-stage"
 - If you want to test against ee-dev X-road environment, then instead enter <https://x-tee.ee/catalogue/ee-dev> Filter by name enter "oraakel"
- You should find the REST definition "ee-test/GOV/70006317/volitused/oraakel-stage"
 - In ee-dev you find "ee-dev/GOV/70006317/volitused/oraakel-stage"
- right-click on the green button "OpenAPI" and choose "copy link address".
- You will get a link that is something like this: https://x-tee.ee/catalogue-data/ee-test/ee-test/GOV/70006317/volitused/oraakel-stage_1.json
 - In ee-dev, you get https://x-tee.ee/catalogue-data/ee-dev/ee-dev/GOV/70006317/volitused/oraakel_1.json

1.4.2 Importing OpenAPI definitions to Postman

- In Postman, click "Import" (documentation: <https://learning.postman.com/docs/integrations/available-integrations/working-with-openAPI/>)
- and paste the link that you copied to the clipboard.
- Choose the radio button import as "Postman Collection".
- click "Import"
- If your X-road security server requires authentication, then you need to import the SSL certificate and the private key as well

2. Roles and authorisations used in this document

To illustrate the example scenarios, some imaginary institutions and persons have been created.

2.1 Sample institution, company and natural persons

The following sample entities exist to bring example responses.

2.1.1 Sample institution providing a self-service

Registry code	Legal name	Name of the self-service	Namespace
EE97007007	Argumentide Klinik Sihtasutus	Argument Clinic	ARGUMENT_CLINIC_DEMO

2.1.2 Sample legal person granting authorisations for the self-service

Registry code	Legal name	Person type
EE97007088	Small Company OÜ	LEGAL_PERSON

2.1.3 Sample natural persons authenticating with the self-service

National Identity Number	First name	Last name	Person type
EE38001085718	JAAK-KRISTJAN	JÕEORG	NATURAL_PERSON
EE10303030002	TARA GOVSSO	TESTKASUTAJA KAKS	NATURAL_PERSON

2.2. Sample roles

Role code	Allowed representee types	Allowed delegate types that call the self-service
ARGUMENT_CLINIC_DEMO:ARGUER	LEGAL_PERSON, NATURAL_PERSON	NATURAL_PERSON
ARGUMENT_CLINIC_DEMO:COMPLAINER	LEGAL_PERSON, NATURAL_PERSON	NATURAL_PERSON
ARGUMENT_CLINIC_DEMO: MACHINE_TO_MACHINE_SERVICES	LEGAL_PERSON	LEGAL_PERSON

Note! Inside Pääsuke, there can exist authorisations with role code "ARGUMENT_CLINIC_DEMO:ARGUER" or "ARGUMENT_CLINIC_DEMO:COMPLAINER" where the delegate is a legal person. But this does not mean that the legal person can log into the self-service, which is why these authorisations don't interest us. If a legal person is a delegate, the authorisation has to be sub-delegated to that legal person and then to a natural person.

2.3 Sample authorisations

Representee	Delegate	Role codes of authorisations	Notes
EE10788733 (Big Company AS)	EE38001085718 (JAAK-KRISTJAN JÕEORG)	BR_REPRIGHT:JUHL BR_REPRIGHT: JUHL_SOLEREP BR_REPRIGHT:SOLEREP	These are legal representation rights that, in the real life are loaded from the Estonian e-Business Register. JUHL - a member of the board (juhatuse liige) SOLEREP - sole representation right (ainuesindusõigusega) JUHL_SOLEREP - a member of the board with sole representation right (repeats the previous info)
EE97007088 (Small Company OÜ)	EE38001085718 (JAAK-KRISTJAN JÕEORG)	ARGUMENT_CLINIC_DEMO:ARGUER	
EE10303030002 (TARA GOVSSO TESTKASUTAJA KAKS)	EE38001085718 (JAAK-KRISTJAN JÕEORG)	ARGUMENT_CLINIC_DEMO:ARGUER ARGUMENT_CLINIC_DEMO:COMPLAINER	

2.4 What the role configuration doesn't include

It is important to note that the role definitions presented in the previous paragraph do not include any properties describing the privileges (individual rights) that the role consists of. This information is not stored in Pääsuke and must be kept on self-service.

3. Use-case to query user's authorisations

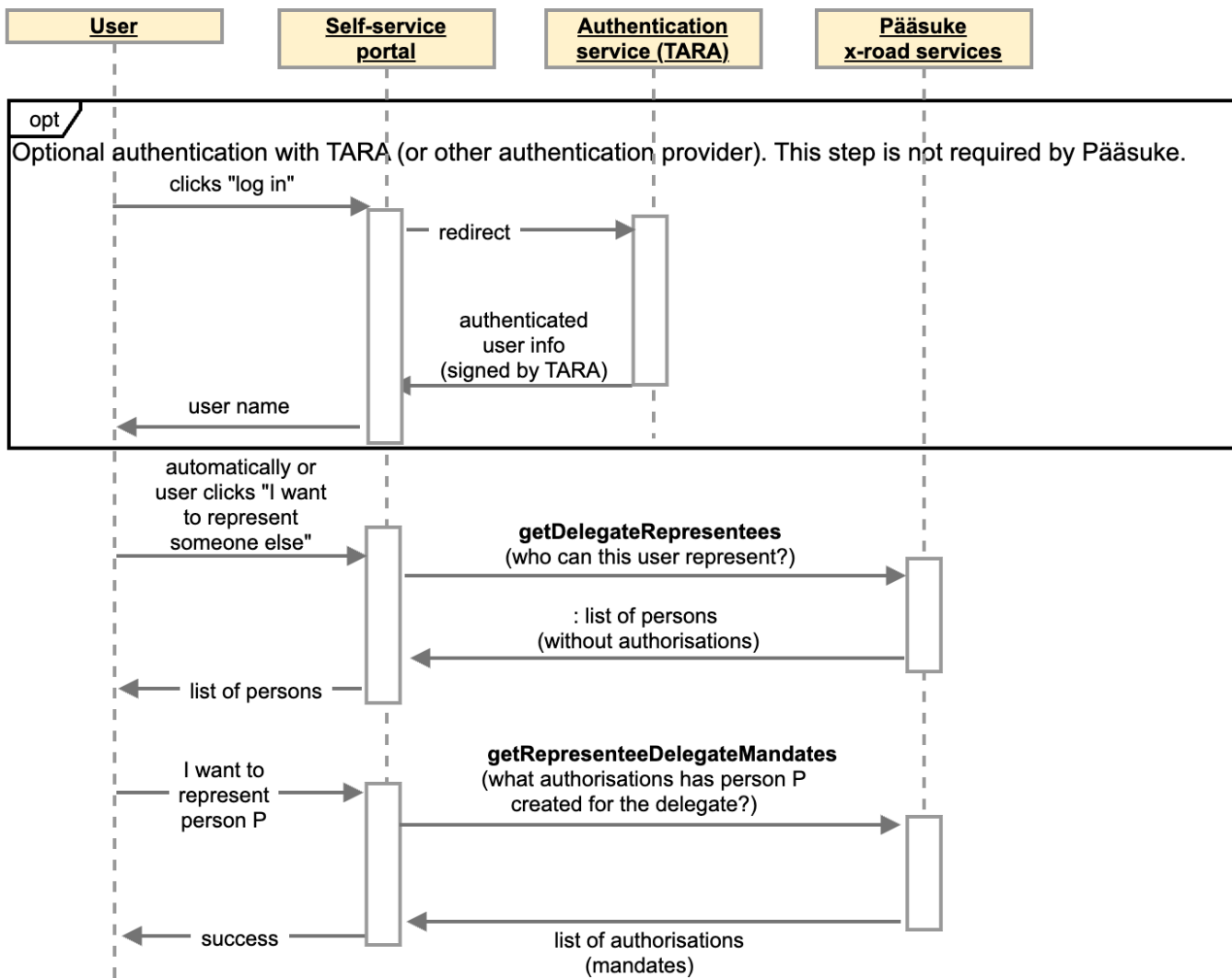
3.1 Introduction to querying user's authorisations by the self-service

Once the self-service starts to pull authorisation info from Pääsuke over X-road, the following steps are going to take place:

1. User authenticates with TARA
2. Self-service pulls the list of persons that the user can represent and additionally displays an option for the person to represent oneself as an individual
3. Once the person chooses the person to represent them (unless the person is representing oneself), the self-service pulls the list of authorisations that the person has been granted by the person which the user chose

The following sequence diagram illustrates these three steps:

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3.2 Sample scenario

In this chapter, we imagine a situation in which Argument Clinic offers a self-service portal, and a person has just authenticated using the TARA service.

TARA returned the following parameters about the authenticated person:

Payload returned by TARA

```
{
  "sub": "EE38001085718",
  "profile_attributes": {
    "date_of_birth": "1980-01-08",
    "family_name": "JÕEORG",
    "given_name": "JAAK-KRISTJAN"
  }
}
```

This first step is the optional step in the above sequence diagram.

3.3 Query **getDelegateRepresentees** - "Who can this person represent?"

Now, we look closer at the second step on the sequence diagram. The self-service pulls the list of persons the user can represent and displays an option for the user to use the system as an individual.

For this step, the self-service must pull the list of persons the user can represent.

3.3.1 Sending a request to the getDelegateRepresentees query

Query to get the representees of the delegate (split into multiple lines)

```
curl --insecure \  
-X 'GET' \  
-H "accept: application/json" \  
-H "X-Road-Client: ee-test/GOV/70006317/volitused" \  
-H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad287446a2aacdf5e" \  
-H "X-Road-UserId: EE38001085718" \  
'https://security-server-host/r1/ee-test/GOV/70006317/volitused/oraakel-stage/delegates/EE38001085718/  
/representees  
?role=ARGUMENT_CLINIC_DEMO:ARGUER  
&role=ARGUMENT_CLINIC_DEMO:COMPLAINER  
&role=BR_REPRIGHT:SOLEREP'
```

The url parameter has been split into multiple lines for easier readability.

If you want to make this request over X-road, then you need to make the following changes:

- Ask RIA to allow X-road queries from your information system in the respective environment
- X-Road-Client - this is your system
 - you need to replace "ee-test/GOV/70006317/volitused" with a similar identifier of your system
 - For Example, if you would make queries from Nortal AS, then it would be -H "X-Road-Client: ee-test/COM/10391131/generic-consumer"
- security-server-host - path to your security server
- You need to provide a "cert" and "key" if your institution's X-road security server is configured to require a client certificate.
- If you make the queries in the production environment, then replace "ee-test" with "EE" and "oraakel-stage" with "oraakel"
- If you make the queries in the ee-dev X-road environment, then replace "ee-test" with "ee-dev" and "oraakel-stage" with "oraakel"

Note that the query contains the following parts:

- The value that Tara returned as a value of field "sub" can be used directly (even if the value returned is not an Estonian national identity number but belongs to some other EU country) - this code is used in two places
 - X-Road-UserId - specifying the user behind the request
 - delegates/EE38001085718 - specifying that we are looking for currently valid authorisations where the user is the delegate
- we are interested in authorisations with specific roles:
 - ARGUMENT_CLINIC_DEMO:ARGUER
 - or ARGUMENT_CLINIC_DEMO:COMPLAINER
 - or BR_REPRIGHT:SOLEREP - if the user has an authorisation with this role, it means the user has sole representation right defined in the Estonian e-Business Register
- we could add a filter parameter that would specify
 - that we are only interested in representees who are legal persons (&representeeType=LEGAL_PERSON)
 - or interested in representees who are natural persons (&representeeType=NATURAL_PERSON)
 - or we could include roles from the whole ARGUMENT_CLINIC_DEMO namespace (&ns=ARGUMENT_CLINIC_DEMO)

3.3.2 Note about parameters "ns" and "role"

The values of "ns" and "role" are joined with OR. So, the following query:

```
?ns=ARGUMENT_CLINIC_DEMO  
&ns=BR_REPRIGHT  
&role=ARGUMENT_CLINIC_DEMO:ARGUER
```

is equal to

```
?ns=ARGUMENT_CLINIC_DEMO  
&ns=BR_REPRIGHT
```

as by specifying "ns=ARGUMENT_CLINIC_DEMO", one already gets all authorisations with roles from that namespace (including "ARGUMENT_CLINIC_DEMO:ARGUER").

3.3.3 Sample response of the query getDelegateRepresentees

```
[
  {
    "type": "NATURAL_PERSON",
    "firstName": "TARA GOVSSO",
    "surname": "TESTKASUTAJA KAKS",
    "identifier": "EE10303030002"
  },
  {
    "type": "LEGAL_PERSON",
    "legalName": "Big Company AS",
    "identifier": "EE10788733"
  },
  {
    "type": "LEGAL_PERSON",
    "legalName": "Small Company OÜ",
    "identifier": "EE97007088"
  }
]
```

3.3.4 Displaying the option "Who would you like to represent" to the user

In our example scenario, the self-service also allows the user to represent himself (as a natural person). However, as you can see from the sample response, this option for the person to represent oneself is not returned by Pääsuke.

The self-service must add this option to the list and display it to the user:

Who would you like to represent?

- **JAAK-KRISTJAN JÕEORG (EE38001085718)** -- Pääsuke did not return this option as this is the person who just authenticated
- TARA GOVSSO TESTKASUTAJA KAKS (EE10303030002)
- Big Company AS (EE10788733)
- Small Company OÜ (EE97007088)

3.3.5 Note about expired authorisations and authorisations becoming active in the future

All the Oraakliiides services always only return authorisations (mandates) active at the time of the request. Expired authorisations or the authorisations becoming active in the future are not returned.

3.3 Query getRepresenteeDelegateMandates - "What authorisations has representee created for the user?"

Imagine that the authenticated user (EE38001085718) wanted to represent TARA GOVSSO TESTKASUTAJA KAKS (EE10303030002) in the session.

Now, the self-service portal needs to determine what authorisations (mandates) have that representee granted to the user.

3.3.1. Example request to query what authorisations the representee has granted to the delegate

```
curl -X 'GET' \
  'https://security-server-host/rl/ee-test/GOV/70006317/volitused/oraakel-stage/representees/EE10303030002
/delegates/EE38001085718/mandates
?role=ARGUMENT_CLINIC_DEMO:ARGUER
&role=ARGUMENT_CLINIC_DEMO:COMPLAINER
&role=BR_REPRIGHT:SOLEREP'
```

The url parameter has been split into multiple lines for easier readability.

NB! It is always recommended to use the same combination of "ns" and "role" query parameters for both queries as it has been done in this Example (although between two natural persons, no roles from the BR_REPRIGHT namespace can exist).

3.3.2. Example response if there are authorisations to return


```
{
  "representee": {
    "type": "NATURAL_PERSON",
    "firstName": "TARA GOVSSO",
    "surname": "TESTKASUTAJA KAKS",
    "identifier": "EE10303030002"
  },
  "delegate": {
    "type": "NATURAL_PERSON",
    "firstName": "JAAK-KRISTJAN",
    "surname": "JÕEORG",
    "identifier": "EE38001085718"
  },
  "mandates": [
    {
      "role": "ARGUMENT_CLINIC_DEMO:ARGUER"
    },
    {
      "role": "ARGUMENT_CLINIC_DEMO:COMPLAINER"
    }
  ]
}
```

This Response indicates that the person has both roles - "Arguer" and "Complainer".

3.3.3. If there are no authorisations, then the following Response is returned

The following query can never return any mandates (since one natural person cannot grant authorisations from the e-Business Register namespace BR_REPRIGHT to another natural person):

```
curl -X 'GET' \
  'https://security-server/r1/ee-test/GOV/70006317/volitused/oraakel-stage/representees/EE10303030002/delegates/EE38001085718/mandates?role=BR_REPRIGHT:SOLEREP'
```

The url parameter has been split into multiple lines for easier readability.

3.3.4. Response indicating that there are no authorisations that match the request

```
{
  "representee": {
    "type": "UNKNOWN",
    "identifier": "EE10303030002"
  },
  "delegate": {
    "type": "UNKNOWN",
    "identifier": "EE38001085718"
  },
  "mandates": []
}
```

NB! If there are no authorisations to return, the service includes the representee and delegate in the Response with type="UNKNOWN". The value of the identifier is taken from the request.

Pääsuke doesn't reveal if the representee or delegate is known to Pääsuke or unknown.

3.3.5. If there are no mandates, then the following Response might be returned in the future

In the future, Pääsuke might start to return data about the representee or delegate if it is known to Pääsuke.

For Example, in the future, the Response described in chapter 3.3.3 might be changed to this:

```
{
  "representee": {
    "type": "NATURAL_PERSON",
    "firstName": "TARA GOVSSO",
    "surname": "TESTKASUTAJA KAKS",
    "identifier": "EE10303030002"
  },
  "delegate": {
    "type": "UNKNOWN",
    "identifier": "EE12348765"
  },
  "mandates": []
}
```

This Response would mean that the representee is known (type and name are provided) to Pääsuke, but the delegate is not known (indicated by type=UNKNOWN) to Pääsuke.

This behaviour is not currently implemented but might be implemented in the future.

4. Use-case to query authorisations between two legal entities

In some situations, one legal person makes X-road queries directly, but this legal person uses the software as a service provider that makes queries on their behalf.

If such an X-road query arrives where one legal person is making a query on behalf of a customer company, the service provider needs to check if the customer company has given authorisation to the party making the request.

4.1 Example scenario

Our imaginary institution, Argument Clinic, offers X-road services.

Big Company AS uses the software as a service provider for Small Company OÜ.

Big Company AS has created an authorisation in Pääsuke for the service provider to make queries on their behalf.

When the service provider (Argument Clinic) receives a request over X-road from Small Company OÜ to query data about Big Company AS, it needs to verify from Pääsuke that Big Company AS has granted the required authorisation to the party making the request.

4.2 Sample authorisation

We have the following authorisation in the Pääsuke database to support the example scenario.

Representee	Delegate	Authorisation role code
EE10788733 (Big Company AS)	EE97007088 (Small Company OÜ)	ARGUMENT_CLINIC_DEMO:MACHINE_TO_MACHINE_SERVICES

4.3 Query and the Response

4.3.1. Example request to query what authorisations the representee has granted to the delegate

```
curl \
--insecure \
-X GET \
-H "accept: application/json" \
-H "X-Road-UserId: EE40404049985" \
-H "X-Road-Represented-Party: EE10303030002" \
-H "X-Road-Client: ee-dev/GOV/70006317/riigiportaal-citizen" \
-H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad287446a2aacdf5e" \
--url "https://security-server/r1/ee-dev/GOV/70006317/volitused/oraakel/representees/EE10788733/delegates/EE97007088/mandates?role=ARGUMENT_CLINIC_DEMO:MACHINE_TO_MACHINE_SERVICES"
```

The url parameter has been split into multiple lines for easier readability.

4.3.2. Example response if there are mandates to return

```
{
  "representee": {
    "type": "LEGAL_PERSON",
    "legalName": "Big Company OÜ",
    "identifier": "EE10788733"
  },
  "delegate": {
    "type": "LEGAL_PERSON",
    "legalName": "Small Company OÜ",
    "identifier": "EE97007088"
  },
  "mandates": [
    {
      "role": "ARGUMENT_CLINIC_DEMO:MACHINE_TO_MACHINE_SERVICES"
    }
  ]
}
```

If there are no mandates to return, an empty list of mandates and no additional information about the representee and delegate are returned. More information can be found in Chapter 3.3.4.

5. Query getRepresenteeDirectDelegatesWithMandatesAndSubDelegates to query authorisations with sub-delegations

Pääsuke allows to sub-delegate authorisations. Sub-delegating is often used when one legal entity uses a service provider company for some service, most often for bookkeeping. This way, the customer is granting authorisations to a service provider company. The service provider company sub-delegates the authorisations to its employees that provide the (bookkeeping) service.

This query is used for a few rare cases, so RIA does not grant access to it by default. If you need to query this service, you must request access separately.

5.1 Filter parameter names

This query uses the "roleStarts" parameter instead of the "ns" filter parameter. "roleStarts" is more powerful than "ns" because it allows filtering utilising the start of a role code. Filtering by the start of a role code is handy when roles are prefixed with a common name (internal system name).

5.2 Example scenario

We look at the situation where Big Company AS has granted two authorisations to Small Company OÜ. The Small Company OÜ has further sub-delegated one of the received authorisations to its employee TARA GOVSSO TESTKASUTAJA KAKS.

When that physical person authenticates with the service, the self-service must display both the representee and the person who created the sub-delegated authorisation.

5.3 Sample authorisations

Representee	Delegate	Sub-delegate	Authorisation role code	Notes
EE10788733 (Big Company AS)	EE10303030002 (TARA GOVSSO TESTKASUTAJA KAKS)	(not sub-delegated)	ARGUMENT_CLINIC_DEMO: ARGUER	
EE10788733 (Big Company AS)	EE97007088 (Small Company OÜ)	(not sub-delegated)	ARGUMENT_CLINIC_DEMO: ARGUER	
EE10788733 (Big Company AS)	EE97007088 (Small Company OÜ)	EE10303030002 (TARA GOVSSO TESTKASUTAJA KAKS)	ARGUMENT_CLINIC_DEMO: COMPLAINER	

5.4 Query by the Representee

5.4.1. Example request to query what authorisations the representee has granted to the delegate and which of them the delegate has further sub-delegated

```
curl -v \
  --insecure \
  -X GET \
  -H "accept: application/json" \
  -H "X-Road-UserId: EE39607250284" \
  -H "X-Road-Client: ee-test/GOV/70006317/volitused" \
  -H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad287446a2aacdf5e" \
  --url "https://security-server/r1/ee-test/GOV/70006317/volitused/oraakel-stage/representees/delegates-and-subdelegates-with-mandates
?representee=EE10788733&roleStarts=ARGUMENT_CLINIC_DEMO:"
```

The url parameter has been split into multiple lines for easier readability.

5.4.2. Example response of querying by the representee

The query from the previous paragraph would result in the following data:

```
[
  {
    "representee": {
      "type": "LEGAL_PERSON",
      "legalName": "Big Company AS",
      "identifier": "EE10788733"
    },
    "directDelegates": [
      {
        "delegate": {
          "type": "LEGAL_PERSON",
          "legalName": "Small Company OÜ",
          "identifier": "EE97007088"
        },
        "mandates": [
          {
            "role": "ARGUMENT_CLINIC_DEMO:COMPLAINER"
          },
          {
            "role": "ARGUMENT_CLINIC_DEMO:ARGUER"
          }
        ]
      },
      {
        "delegate": {
          "type": "NATURAL_PERSON",
          "firstName": "TARA GOVSSO",
          "surname": "TESTKASUTAJA KAKS",
          "identifier": "EE10303030002"
        },
        "mandates": [
          {
            "role": "ARGUMENT_CLINIC_DEMO:COMPLAINER"
          }
        ]
      }
    ],
    "subDelegates": [
      {
        "delegate": {
          "type": "NATURAL_PERSON",
          "firstName": "TARA GOVSSO",
          "surname": "TESTKASUTAJA KAKS",
          "identifier": "EE10303030002"
        },
        "mandates": [
          {
            "role": "ARGUMENT_CLINIC_DEMO:ARGUER"
          }
        ]
      }
    ]
  },
  {
    "delegate": {
      "type": "NATURAL_PERSON",
      "firstName": "TARA GOVSSO",
      "surname": "TESTKASUTAJA KAKS",
      "identifier": "EE10303030002"
    },
    "mandates": [
      {
        "role": "ARGUMENT_CLINIC_DEMO:ARGUER"
      }
    ]
  },
  {
    "subDelegates": []
  }
]
]
```

5.5 Query by delegate

5.5.1. Example request to query what authorisations by the delegate

```
curl -v \
--insecure \
-X GET \
-H "accept: application/json" \
-H "X-Road-UserId: EE39607250284" \
-H "X-Road-Client: ee-dev/GOV/70006317/volitused" \
-H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad287446a2aacdf5e" \
--url "https://security-server/r1/ee-dev/GOV/70006317/volitused/oraakel-stage/representees/delegates-and-subdelegates-with-mandates
?delegate=EE97007088&roleStarts=ARGUMENT_CLINIC_DEMO:"
```

The url parameter has been split into multiple lines for easier readability.

5.5.2. Example response of querying by delegate

The query from the previous paragraph would result in the following data:

```
[
  {
    "representee": {
      "type": "LEGAL_PERSON",
      "legalName": "RIIGI KINNISVARA AKTSIASELTS",
      "identifier": "EE10788733"
    },
    "directDelegates": [
      {
        "delegate": {
          "type": "LEGAL_PERSON",
          "legalName": "Small Company OÜ",
          "identifier": "EE97007088"
        },
        "mandates": [
          {
            "role": "ARGUMENT_CLINIC_DEMO:ARGUER"
          },
          {
            "role": "ARGUMENT_CLINIC_DEMO:COMPLAINER"
          }
        ]
      },
      {
        "delegate": {
          "type": "NATURAL_PERSON",
          "firstName": "TARA GOVSSO",
          "surname": "TESTKASUTAJA KAKS",
          "identifier": "EE10303030002"
        },
        "mandates": [
          {
            "role": "ARGUMENT_CLINIC_DEMO:COMPLAINER"
          }
        ]
      }
    ],
    "subDelegates": [
      {
        "delegate": {
          "type": "NATURAL_PERSON",
          "firstName": "TARA GOVSSO",
          "surname": "TESTKASUTAJA KAKS",
          "identifier": "EE10303030002"
        },
        "mandates": [
          {
            "role": "ARGUMENT_CLINIC_DEMO:COMPLAINER"
          }
        ]
      }
    ]
  }
]
```

5.6 Query by sub-delegate

5.6.1. Example request to query what authorisations by sub-delegate

```
curl -v \
--insecure \
-X GET \
-H "accept: application/json" \
-H "X-Road-UserId: EE39607250284" \
-H "X-Road-Client: ee-dev/GOV/70006317/volitused" \
-H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad287446a2aacdf5e" \
--url "https://security-server/r1/ee-dev/GOV/70006317/volitused/oraakel-stage/representees/delegates-and-
subdelegates-with-mandates
?subDelegate=EE10303030002&roleStarts=ARGUMENT_CLINIC_DEMO:"
```

The url parameter has been split into multiple lines for easier readability.

5.6.2. Example response of querying by sub-delegate

The query from the previous paragraph would result in the following data:

```
[
  {
    "representee": {
      "type": "LEGAL_PERSON",
      "legalName": "RIIGI KINNISVARA AKTSIASSELTS",
      "identifier": "EE10788733"
    },
    "directDelegates": [
      {
        "delegate": {
          "type": "LEGAL_PERSON",
          "legalName": "Small Company OÜ",
          "identifier": "EE97007088"
        },
        "mandates": [
          {
            "role": "ARGUMENT_CLINIC_DEMO:COMPLAINER"
          }
        ]
      },
      {
        "subDelegates": [
          {
            "delegate": {
              "type": "NATURAL_PERSON",
              "firstName": "TARA GOVSSO",
              "surname": "TESTKASUTAJA KAKS",
              "identifier": "EE10303030002"
            },
            "mandates": [
              {
                "role": "ARGUMENT_CLINIC_DEMO:COMPLAINER"
              }
            ]
          }
        ]
      }
    ]
  }
]
```

5.7 Query by delegate or sub-delegate

5.7.1. Example request to query what authorisations by either delegate or sub-delegate

```
curl -v \  
  --insecure \  
  -X GET \  
  -H "accept: application/json" \  
  -H "X-Road-UserId: EE39607250284" \  
  -H "X-Road-Client: ee-dev/GOV/70006317/volitused" \  
  -H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad287446a2aacdf5e" \  
  --url "https://security-server/r1/ee-dev/GOV/70006317/volitused/oraakel-stage/representees/delegates-and-  
subdelegates-with-mandates  
?delegateOrSubDelegate=EE10303030002&roleStarts=ARGUMENT_CLINIC_DEMO:"
```

The url parameter has been split into multiple lines for easier readability.

5.7.2. Example response of querying by delegate or sub-delegate

The query from the previous paragraph would result in the following data:


```
[
  {
    "representee": {
      "type": "LEGAL_PERSON",
      "legalName": "Big Company AS",
      "identifier": "EE10788733"
    },
    "directDelegates": [
      {
        "delegate": {
          "type": "LEGAL_PERSON",
          "legalName": "Small Company OÜ",
          "identifier": "EE97007088"
        },
        "mandates": [
          {
            "role": "ARGUMENT_CLINIC_DEMO:COMPLAINER"
          }
        ],
        "subDelegates": [
          {
            "delegate": {
              "type": "NATURAL_PERSON",
              "firstName": "TARA GOVSSO",
              "surname": "TESTKASUTAJA KAKS",
              "identifier": "EE10303030002"
            },
            "mandates": [
              {
                "role": "ARGUMENT_CLINIC_DEMO:COMPLAINER"
              }
            ]
          }
        ]
      }
    ],
    {
      "delegate": {
        "type": "NATURAL_PERSON",
        "firstName": "TARA GOVSSO",
        "surname": "TESTKASUTAJA KAKS",
        "identifier": "EE10303030002"
      },
      "mandates": [
        {
          "role": "ARGUMENT_CLINIC_DEMO:ARGUER"
        }
      ],
      "subDelegates": []
    }
  ]
]
```

NB! The system doesn't reveal that Big Company has granted a second mandate, "ARGUMENT_CLINIC_DEMO:ARGUER", to Small Company OÜ.

6. Querying representation rights defined in the e-Business Register

6.1 Use case description

When integrating a self-service portal with Pääsuke, the initial step is to use Pääsuke to verify whether an individual has the authorisation to represent a legal person. No need to assign specific roles or create authorisations for this basic use case. The integration process will solely rely on the representation rights specified for each legal person in the Estonian e-Business Register. This document guides how to retrieve this information from Pääsuke.

6.2 Pääsuke has a copy of the representation rights obtained from the e-Business Register

Pääsuke maintains a synchronised copy of representation rights and authorisations, such as procurator, obtained from the Estonian e-Business Register. It handles representation rights in the same manner as the authorisations created within Pääsuke.


After setting up this integration, there is the option to create new roles for the self-service, which requires end-users to authorise delegates from the Pääsuke user interface. The queries that pull representation rights can then be adjusted to return these authorisations. However, extending the queries is not described here, as this is outside the scope of this document.

6.3 Representation rights from the e-Business Register are used when describing new roles in Pääsuke

When describing new roles, it's essential to establish who is authorised to add or remove an authorisation for that role. For instance, typically, only a person with exclusive representation rights can add an authorisation on behalf of a legal person. This document does not explain how to configure this for a role but instead gives an overview of the different types of representation rights.

For more information on configuring roles, please refer to the document "Introduction to Pääsuke and configuring roles."

6.4 Person identifiers synced from the e-Business Register

 **Person identifiers in Pääsuke**

Pääsuke takes the person code and adds the country code "EE" in front of it. The result is "EE12345678" for legal persons and "EE12345678901" for natural persons.

6.5 List of role codes returned by the e-Business Register

This is the list of representation codes (in August 2024) for authorised legal person representation (seadusjärgne esindusõigus). The Estonian e-Business Register may update this list over time.

code	Title in Estonian	Title in English	The delegate can be a legal person	The delegate can be a natural person	Excludes roles	Is valid*	Legal person types (in Estonian) who can have persons on the board
code	Nimetus eesti keeles	Nimetus inglise keeles	Esindaja saab olla juriidiline isik	Esindaja saab olla füüsiline isik	Väljastab rollid	Kehtiv*	Lubatud õiguslikud vormid
AJPH	Ajutine pankrotihaldur likvideerija ülesannetes	The interim trustee in bankruptcy acting as a liquidator	FALSE	TRUE		TRUE	{AMETÜ,AS,EMÜ,ERAK,FA,FIL,KÜ,MPÜ,MTÜ,OÜ,SA,SCE,SE,TKR,TÜ,TÜH,UÜ}
ASES	Asutuse esindusõiguslik isik	A person with the right to represent the agency	FALSE	TRUE		TRUE	{AVOIG,KOVAS,TRAS}
ERIH	Erirežiimihaldur	Special regime trustee	FALSE	TRUE		TRUE	{AS,OÜ,SCE,SE}
ESIS	Esindama õigustatud isik	A person delegated to represent the undertaking	FALSE	TRUE		FALSE	{EMÜ,TÜ,UÜ}
ESIS2	Esindama õigustatud isik	A person entitled to represent the undertaking	FALSE	TRUE		TRUE	{EMÜ,TÜ,UÜ}
ETTEV	Ettevõtja	Undertaking	FALSE	TRUE		FALSE	{FIE}
EUSOS	Esindama volitatud usaldusosanimik	A limited partner authorised to represent	TRUE	TRUE		FALSE	{UÜ}
EUSOS2	Esindama volitatud usaldusosanimik	A limited partner authorised to represent	TRUE	TRUE	{UOSAN}	TRUE	{UÜ}
FIE	Füüsilisest isikust ettevõtja	Sole trader	FALSE	TRUE		TRUE	{FIE}
HNKL	Haldusnõukogu liige	Member of the administrative board	FALSE	TRUE		TRUE	{SE}
JPNKR	Järelevalveõiguslik pankrotihaldur	Trustee in bankruptcy with the right to supervise	FALSE	TRUE		TRUE	{AMETÜ,AS,EMÜ,ERAK,FIE,KÜ,MPÜ,MTÜ,OÜ,SA,SCE,SE,TKR,TÜ,TÜH,UÜ}
JUHA	juhatuse ainuliige	The sole member of the board	FALSE	TRUE		FALSE	{AS,OÜ,SCE,SE,TKR,TÜH}
JUHE	juhatuse esimees	Chairman of the board	FALSE	TRUE		FALSE	{AS,OÜ,SCE,SE,TKR,TÜH}
JUHJ	juhatuse liige (juhataja)	Management board member (director)	FALSE	TRUE		FALSE	{AS,OÜ,SCE,SE,TKR,TÜH}
JUHL	Juhatusel liige	Management board member	FALSE	TRUE	{VALIT}	TRUE	{AMETÜ,AS,EMÜ,ERAK,KÜ,MPÜ,MTÜ,OÜ,SA,SCE,SE,TKR,TÜH}
LIKV	Likvideerija	Liquidator	TRUE	TRUE		TRUE	{AMETÜ,AS,EMÜ,ERAK,FA,FIL,KÜ,MPÜ,MTÜ,OÜ,SA,SCE,SE,TKR,TÜ,TÜH,UÜ}

LIKVJ	Juhatuse liikmest likvideerija	The liquidators are the members of the management board	FALSE	TRUE		TRUE	{AS,OÜ,SCE,SE}
MORAH	Moratoriumihaldur	Trustee in moratorium	FALSE	TRUE		TRUE	{AS,SCE,SE,TKR,TÜH}
PANKR	Pankrotihaldur	Trustee in bankruptcy	FALSE	TRUE		TRUE	{AMETÜ,AS,EMÜ,ERAK,FIE,KÜ,MPÜ,MTÜ,OÜ,SA,SCE,SE,TKR,TÜ,TÜH,UÜ}
PROK**	Prokurist	Procurator	FALSE	TRUE		TRUE	{AS,EMÜ,FA,FIE,FIL,OÜ,SCE,SE,TKR,TÜ,TÜH,UÜ}
TOSAN	Täisosanik	General partner	TRUE	TRUE		TRUE	{EMÜ,TÜ,UÜ}
VALIT	Valitseja	Administrator	TRUE	FALSE	{JUHL}	TRUE	{KÜ}
VFILJ	Filiaali juhataja	Director of the branch	FALSE	TRUE		TRUE	{FA,FIL}

- * "Is valid" means that the e-Business Register doesn't allow adding new persons with this role to the board, but there might be legal entities that have persons with this role on the board from earlier.
- ** - "PROK" is not a representation right (seadusjärgne esindusõigus) but an authorisation (volitus) that is marked on the company register card. All the other roles besides "PROK" in the table are representation rights.

6.6 How these values are stored in Pääsuke



Business Registry role codes prefix in Pääsuke

Pääsuke adds "BR_REPRIGHT:" to the beginning of the role codes synchronised from the e-Business Register.

For example, if the e-Business Register indicates that someone holds the role of "MORAH" in a company, this information is stored as "BR_REPRIGHT:MORAH" in Pääsuke.

6.7 Sole representation right - the right to represent the company alone

6.7.1. How the flag "sole representation right" (ainuesindusõigus) is stored in Pääsuke

For each role, the e-Business Register maintains a flag indicating if the person has the sole representation right. Pääsuke retrieves that information from the e-Business Register.



Sole representation right stored in Pääsuke

According to the e-Business Register, if the person has the sole representation right (ainuesindusõigus), Pääsuke stores this information as a separate authorisation with role code "BR_REPRIGHT: SOLEREP."

If the person does not have sole representation rights, then an authorisation with this additional role code, Pääsuke, is not created for that person.

6.7.2 Additional convenience role codes in Pääsuke for sole representation right



Business registry role together with sole representation right

Suppose a person has the representation right with the code "ROLEX" in the e-Business Register and the sole representation right for the same legal person. In that case, Pääsuke adds authorisation with the role code "BR_REPRIGHT:ROLEX_SOLEREP".

For example, suppose a person has the role "FIE" returned by the e-Business Register and has sole representation rights. In that case, this person has the following three authorisations stored in Pääsuke:

- "BR_REPRIGHT:FIE"
- "BR_REPRIGHT:SOLEREP"
- "BR_REPRIGHT:FIE_SOLEREP"

6.8. Group representation right

6.8.1. Who belongs to which group is not stored in Pääsuke

Some Estonian companies have indicated in their articles of association that only a group of individuals can jointly represent the legal person (known as "ühisesindusõigus"). Pääsuke does not retain information about these groups. If necessary, this information must be requested from the e-Business Register.

6.8.2. Pääsuke tracks whether group representation rights are machine-readable.



Sole representation right stored in Pääsuke

Suppose the person has group representation rights (ühisesindussõigused) according to the e-Business Register, and this information is available in a machine-readable format. In that case, Pääsuke stores it as a separate authorisation with role code "BR_REPRIGHT:GROUPREP."

6.9 Practical examples when querying legal representation rights from Pääsuke

The first step in requesting authorisations and representation rights from Pääsuke is determining which roles from the e-Business Register are permitted. The examples below only consider the role codes stored in the e-Business Register (ns = BR_REPRIGHT).

6.9.1. Obtaining a list of companies where the user has representation rights according to the e-Business Register

Let's consider a scenario where we need to show a drop-down menu containing companies for which the user holds representation rights. After authenticating the user and obtaining their national identity number (we use EE37807290000 in our example), we can use a query to retrieve the list of companies for which the user has representation rights based on the e-Business Register:

```
curl --insecure \
-H "accept: application/json" \
-H "X-Road-Client: ee-dev/GOV/70006317/riigiportaal-citizen" \
-H "X-Road-UserId: EE37807290000" \
-H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad22aacdf5e" \
-X GET "https://security-server/rl/ee-dev/GOV/70006317/volitused/oraakel/delegates/EE37807290000/representees
?ns=BR_REPRIGHT"
```

The url parameter has been split into multiple lines for easier readability.

6.9.2. Obtaining a list of companies where the user has sole representation rights (ainuesindusoigus) according to e-Business Register

This time, we want to query legal entities where the person holds a representation right with the code "BR_REPRIGHT:SOLEREP." Note that the query parameter is "role" this time, not "ns" as before.

```
curl --insecure \
-H "accept: application/json" \
-H "X-Road-Client: ee-dev/GOV/70006317/riigiportaal-citizen" \
-H "X-Road-UserId: EE37807290000" \
-H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad22aacdf5e" \
-X GET "https://security-server/rl/ee-dev/GOV/70006317/volitused/oraakel/delegates/EE37807290000/representees
?role=BR_REPRIGHT:SOLEREP"
```

The query's namespace parameter "ns" is set to "BR_REPRIGHT". The url parameter has been split into multiple lines for easier readability.

6.9.3. Allowing anyone who has an authorisation with a specific role

In this example, we are interested in legal entities where the user has one of the roles of JUHL, PROK, or FIE, regardless of whether the person has sole representation rights. In such cases, we would make the following query:

```
curl --insecure \
-H "accept: application/json" \
-H "X-Road-Client: ee-dev/GOV/70006317/riigiportaal-citizen" \
-H "X-Road-UserId: EE37807290000" \
-H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad22aacdf5e" \
-X GET "https://security-server/rl/ee-dev/GOV/70006317/volitused/oraakel/delegates/EE37807290000/representees
?role=BR_REPRIGHT:JUHL
&role=BR_REPRIGHT:PROK
&role=BR_REPRIGHT:FIE"
```

The "role" parameter in the query is set to one of the following options: "BR_REPRIGHT:JUHL", "BR_REPRIGHT:PROK", or "BR_REPRIGHT:FIE". The url parameter has been split into multiple lines for easier readability.

6.9.4. Allowing anyone who has sole representation right (ainuesindussõigus) and one of the roles

Here, we are only interested in the list of companies where the user has sole representation rights and one of the roles JUHL, PROK or FIE:

```
curl --insecure \
-H "accept: application/json" \
-H "X-Road-Client: ee-dev/GOV/70006317/riigiportaal-citizen" \
-H "X-Road-UserId: EE50102030405" \
-H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad22aacdf5e" \
-X GET "https://security-server/r1/ee-dev/GOV/70006317/volitused/oraakel/delegates/EE37807290000/representees
?role=BR_REPRIGHT:JUHL_SOLEREP
&role=BR_REPRIGHT:PROK_SOLEREP
&role=BR_REPRIGHT:FIE_SOLEREP"
```

The "role" parameter in the query is set to one of the following options: "BR_REPRIGHT: JUHL_SOLEREP", "BR_REPRIGHT:PROK_SOLEREP", or "BR_REPRIGHT:FIE_SOLEREP". The url parameter has been split into multiple lines for easier readability.

6.10 Practical examples and comparison to the output of e-Business Register query "esindus_v2"

If you are familiar with the output of the e-Business Register query "esindus_v2," the following examples will show you how to make the same queries to Pääsuke. The examples will provide side-by-side comparisons of the queries that need to be sent to different systems and the output returned by these systems. Please note that the names and personal codes have been modified for privacy.

6.10.1. Requesting the legal entities where an individual has the legal right to act as a representative

If we have an individual and want to determine which legal entities this person can represent, we use their national identity number to perform the queries. The output will be a list of legal entities in which the person holds some role within the BR_REPRIGHT namespace.

	Äriregister service "esindus_v2"	Pääsuke service "oraakel"
Query	<prod:esindus_v2> <prod:keha> <prod:ariregister_valjundi_formaat>xml</prod:ariregister_valjundi_formaat> <prod:fyysilise_isiku_kood>50102030405</prod:fyysilise_isiku_kood> <prod:fyysilise_isiku_koodi_riik>EST</prod:fyysilise_isiku_koodi_riik> </prod:keha> </prod:esindus_v2>	curl --insecure \ -H "accept: application/json" \ -H "X-Road-Client: ee-dev/GOV/70006317/riigiportaal-citizen" \ -H "X-Road-UserId: EE50102030405" \ -H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad22aacdf5e" \ -X GET "https://security-server/r1/ee-dev/GOV/70006317/volitused/oraakel/delegates/EE50102030405/representees?ns=BR_REPRIGHT" The url parameter has been split into multiple lines for easier readability.

Response	<p>Fragment of the response</p> <pre> <ns1:ettevotjad> <ns1:item> <ns1:ariregistri_kood>12032555</ns1:ariregistri_kood> <ns1:arinimi>BBB OÜ</ns1:arinimi> <ns1:staatus>R</ns1:staatus> <ns1:staatus_tekstina>Registrisse kantud</ns1:staatus_tekstina> <ns1:isikud> <ns1:item> <ns1:fyysilise_isiku_eesnimi>Eesnimi</ns1: fyysilise_isiku_eesnimi> <ns1:fyysilise_isiku_perenimi>Perenimi</ns1: fyysilise_isiku_perenimi> <ns1:fyysilise_isiku_kood>50102030405</ns1: fyysilise_isiku_kood> <ns1:isikukood_riik>EST</ns1:isikukood_riik> <ns1:isikukoodi_riik_tekstina>Eesti</ns1: isikukoodi_riik_tekstina> <ns1:fyysilise_isiku_roll>JUHL</ns1:fyysilise_isiku_roll> <ns1:fyysilise_isiku_roll_tekstina>Juhatuse liige</ns1: fyysilise_isiku_roll_tekstina> <ns1:ainuesindusoigus_olemas>JAH</ns1: ainuesindusoigus_olemas> </ns1:item> </ns1:isikud> <ns1:esindusoiguse_eritingimused/> <ns1:esindusoiguse_grupid/> <ns1:oiguslik_vorm>OÜ</ns1:oiguslik_vorm> <ns1:oiguslik_vorm_tekstina>Osaühing</ns1: oiguslik_vorm_tekstina> </ns1:item> <ns1:item> <ns1:ariregistri_kood>80348555</ns1:ariregistri_kood> <ns1:arinimi>Tapa linn, Põllu tn 1 korteriühistu</ns1:arinimi> <ns1:staatus>R</ns1:staatus> <ns1:staatus_tekstina>Registrisse kantud</ns1:staatus_tekstina> <ns1:isikud> <ns1:item> <ns1:fyysilise_isiku_eesnimi>Eesnimi</ns1: fyysilise_isiku_eesnimi> <ns1:fyysilise_isiku_perenimi>Perenimi</ns1: fyysilise_isiku_perenimi> <ns1:fyysilise_isiku_kood>50102030405</ns1: fyysilise_isiku_kood> <ns1:isikukood_riik>EST</ns1:isikukood_riik> <ns1:isikukoodi_riik_tekstina>Eesti</ns1: isikukoodi_riik_tekstina> <ns1:fyysilise_isiku_roll>JUHL</ns1:fyysilise_isiku_roll> <ns1:fyysilise_isiku_roll_tekstina>Juhatuse liige</ns1: fyysilise_isiku_roll_tekstina> <ns1:ainuesindusoigus_olemas>JAH</ns1: ainuesindusoigus_olemas> </ns1:item> <ns1:item> <ns1:fyysilise_isiku_eesnimi>Teine</ns1: fyysilise_isiku_eesnimi> <ns1:fyysilise_isiku_perenimi>Nimi</ns1: fyysilise_isiku_perenimi> <ns1:fyysilise_isiku_kood>38703046123</ns1: fyysilise_isiku_kood> <ns1:isikukood_riik>EST</ns1:isikukood_riik> <ns1:isikukoodi_riik_tekstina>Eesti</ns1: isikukoodi_riik_tekstina> <ns1:fyysilise_isiku_roll>JUHL</ns1:fyysilise_isiku_roll> <ns1:fyysilise_isiku_roll_tekstina>Juhatuse liige</ns1: fyysilise_isiku_roll_tekstina> <ns1:ainuesindusoigus_olemas>JAH</ns1: ainuesindusoigus_olemas> </ns1:item> </ns1:isikud> <ns1:esindusoiguse_eritingimused/> <ns1:esindusoiguse_grupid/> <ns1:oiguslik_vorm>KÜ</ns1:oiguslik_vorm> <ns1:oiguslik_vorm_tekstina>Korteriühistu</ns1: oiguslik_vorm_tekstina> </ns1:item> </ns1:ettevotjad> </pre>	<pre> [{ "type": "LEGAL_PERSON", "legalName": "BBB OÜ", "identifier": "EE12032555" }, { "type": "LEGAL_PERSON", "legalName": "Tapa linn, Põllu tn 1 korteriühistu", "identifier": "EE80348555" }] </pre>
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6.10.2. Requesting the legal rights for an individual to represent a specific legal person

This example demonstrates requesting information using a person's legal person code and national identity number. Unlike previous examples, Pääsuke returns a list of individual rights.

6.10.2.1. The person on the registry card has sole representation rights

	Äriregister service "esindus_v2"	Pääsuke service "oraakel"
Query	<pre><prod:esindus_v2> <prod:keha> <prod:ariregister_valjundi_formaat>xml</prod: ariregister_valjundi_formaat> <prod:ariregistri_kood>16211377</prod:ariregistri_kood> <prod:fyysilise_isiku_kood>37901020000</prod: fyysilise_isiku_kood> <prod:fyysilise_isiku_koodi_riik>EST</prod: fyysilise_isiku_koodi_riik> </prod:keha> </prod:esindus_v2></pre>	<pre>curl --insecure \ -H "accept: application/json" \ -H "X-Road-Client: ee-dev/GOV/70006317/riigiportaal-citizen" \ -H "X-Road-UserId: EE50102030405" \ -H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad22a acdf5e" \ -X GET "https://security-server/r1/ee-dev/GOV/70006317 /volitused/oraakel /representees/EE16211377/delegates/EE37901020000 /mandates ?ns=BR_REPRIGHT"</pre> <p>The url parameter has been split into multiple lines for easier readability.</p>
Response	<p>Fragment of the response</p> <pre><ns1:ettevotjad> <ns1:item> <ns1:ariregistri_kood>16211377</ns1:ariregistri_kood> <ns1:arinimi>TextMagic AS</ns1:arinimi> <ns1:staatus>R</ns1:staatus> <ns1:staatus_tekstina>Registrisse kantud</ns1: staatus_tekstina> <ns1:isikud> <ns1:item> <ns1:fyysilise_isiku_eesnimi>Firstname</ns1: fyysilise_isiku_eesnimi> <ns1:fyysilise_isiku_perenimi>Surname</ns1: fyysilise_isiku_perenimi> <ns1:fyysilise_isiku_kood>37901020000</ns1: fyysilise_isiku_kood> <ns1:isikukood_riik>EST</ns1:isikukood_riik> <ns1:isikukoodi_riik_tekstina>Eesti</ns1: isikukoodi_riik_tekstina> <ns1:fyysilise_isiku_roll>JUHL</ns1: fyysilise_isiku_roll> <ns1:fyysilise_isiku_roll_tekstina>Juhatuse liige</ns1: fyysilise_isiku_roll_tekstina> <ns1:ainuesindusoigus_olemas>JAH</ns1: ainuesindusoigus_olemas> </ns1:item></pre>	<pre>{ "representee": { "type": "LEGAL_PERSON", "legalName": "TextMagic AS", "identifier": "EE16211377" }, "delegate": { "type": "NATURAL_PERSON", "firstName": "Firstname", "surname": "Surname", "identifier": "EE37901020000" }, "mandates": [{ "role": "BR_REPRIGHT:JUHL" }, { "role": "BR_REPRIGHT:JUHL_SOLEREP" }, { "role": "BR_REPRIGHT:SOLEREP" }] }</pre>

6.10.2.2. The person on the registry card does not have sole representation rights

	Äriregister esindus_v2	Pääsuke
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Query	<pre> <prod:esindus_v2> <prod:keha> <prod:ariregister_valjundi_formaat>xml</prod: ariregister_valjundi_formaat <prod:ariregistri_kood>80119643</prod:ariregistri_kood> <prod:fyysilise_isiku_kood>49012310000</prod: fyysilise_isiku_kood> <prod:fyysilise_isiku_koodi_riik>EST</prod: fyysilise_isiku_koodi_riik> </prod:keha> </prod:esindus_v2> </pre>	<pre> curl --insecure \ -H "accept: application/json" \ -H "X-Road-Client: ee-dev/GOV/70006317/riigiportaal-citizen" \ -H "X-Road-UserId: EE50102030405" \ -H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad22a acdf5e" \ -X GET "https://security-server/r1/ee-dev/GOV/70006317 /volitused/oraakel /representees/EE80119643/delegates/EE49012310000 /mandates ?ns=BR_REPRIGHT" </pre>
Response	<p>Fragment of the response</p> <pre> <ns1:ettevotjad> <ns1:item> <ns1:ariregistri_kood>80119643</ns1:ariregistri_kood> <ns1:arinimi>Eesti Noorsootöötajate Kogu</ns1:arinimi> <ns1:staatus>R</ns1:staatus> <ns1:staatus_tekstina>Registrisse kantud</ns1: staatus_tekstina> <ns1:isikud> <ns1:item> <ns1:fyysilise_isiku_eesnimi>First Names</ns1: fyysilise_isiku_eesnimi> <ns1:fyysilise_isiku_perenimi>Surname</ns1: fyysilise_isiku_perenimi> <ns1:fyysilise_isiku_kood>49012310000</ns1: fyysilise_isiku_kood> <ns1:isikukood_riik>EST</ns1:isikukood_riik> <ns1:isikukoodi_riik_tekstina>Eesti</ns1: isikukoodi_riik_tekstina> <ns1:fyysilise_isiku_roll>JUHL</ns1: fyysilise_isiku_roll> <ns1:fyysilise_isiku_roll_tekstina>Juhatuse liige</ns1: fyysilise_isiku_roll_tekstina> <ns1:ainuesindusoigus_olemas>EI</ns1: ainuesindusoigus_olemas> </ns1:item> <ns1:isikud> <ns1:esindusoiguse_eritingimused> <ns1:item> <ns1:item>....</ns1:item> </ns1:item> </ns1:esindusoiguse_eritingimused> <ns1:esindusoiguse_grupid> <ns1:grupp> <ns1:grupi_nr>1</ns1:grupi_nr> <ns1:item> ... person is listed here ... </ns1:item> </ns1:grupp> </pre>	<pre> { "representee": { "type": "LEGAL_PERSON", "legalName": "Eesti Noorsootöötajate Kogu", "identifier": "EE80119643" }, "delegate": { "type": "NATURAL_PERSON", "firstName": "First Names", "surname": "Surname", "identifier": "EE49012310000" }, "mandates": [{ "role": "BR_REPRIGHT:GROUPREP" }, { "role": "BR_REPRIGHT:JUHL" }] } </pre>

6.10.3. example, where an individual does not have exclusive representation rights and the machine-readable groups are not defined

The following procurist does not have sole representation rights. Furthermore, the representation groups are not available in a machine-readable format in the e-Business Register, which is why "BR_REPRIGHT:GROUPREP" is not returned.

Äriregister esindus_v2 response	Pääsuke
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Query	<pre> <prod:esindus_v2> <prod:keha> <prod:ariregister_valjundi_formaat>xml</prod: ariregister_valjundi_formaat> <prod:ariregistri_kood>14986789</prod:ariregistri_kood> <prod:fyysilise_isiku_kood>364010200000</prod:fyysilise_isiku_kood> <prod:fyysilise_isiku_koodi_riik>EST</prod:fyysilise_isiku_koodi_riik> </prod:keha> </prod:esindus_v2> </pre>	<pre> curl --insecure \ -H "accept: application/json" \ -H "X-Road-Client: ee-dev/GOV/70006317 /riigiportal-citizen" \ -H "X-Road-UserId: EE50102030405" \ -H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b 53f8ad22aacdf5e" \ -X GET "https://security-server/r1/ee-dev/GOV /70006317/volitused/oraakel /representees/EE14986789/delegates /EE364010200000/mandates ?ns=BR_REPRIGHT" </pre>
Response	<p>Fragment of the response</p> <pre> <ns1:ettevotjad> <ns1:item> <ns1:ariregistri_kood>14986789</ns1:ariregistri_kood> <ns1:arinimi>Huawei Technologies Eesti OÜ</ns1:arinimi> <ns1:staatus>R</ns1:staatus> <ns1:staatus_tekstina>Registrisse kantud</ns1:staatus_tekstina> <ns1:isikud> <ns1:item> <ns1:fyysilise_isiku_eesnimi>Eesnimi</ns1: fyysilise_isiku_eesnimi> <ns1:fyysilise_isiku_perenimi>Perenimi</ns1: fyysilise_isiku_perenimi> <ns1:fyysilise_isiku_kood>364010200000</ns1: fyysilise_isiku_kood> <ns1:isikukood_riik>EST</ns1:isikukood_riik> <ns1:isikukoodi_riik_tekstina>Eesti</ns1:isikukoodi_riik_tekstina> <ns1:fyysilise_isiku_roll>PROK</ns1:fyysilise_isiku_roll> <ns1:fyysilise_isiku_roll_tekstina>Prokurist</ns1: fyysilise_isiku_roll_tekstina> <ns1:ainuesindusoigus_olemas>EI</ns1: ainuesindusoigus_olemas> </ns1:item> </ns1:isikud> <ns1:esindusoiguse_eritingimused> <ns1:item> <ns1:item>Osaühingut esindavad kaks (2) juhatuse liiget ühiselt.< /ns1:item> </ns1:item> </ns1:item> <ns1:item>Eesnimi Perenimi (isikukood364010200000) esindab äriühingut ühiselt koos juhatuse liikmega.</ns1:item> </ns1:item> </ns1:esindusoiguse_eritingimused> </pre>	<pre> { "representee": { "type": "LEGAL_PERSON", "legalName": "Huawei Technologies Eesti OÜ", "identifier": "EE14986789" }, "delegate": { "type": "NATURAL_PERSON", "firstName": "Eesnimi", "surname": "Perenimi", "identifier": "EE364010200000" }, "mandates": [{ "role": "BR_REPRIGHT:PROK" }] } </pre>