

Pääsukese X-tee liidesed

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Versions

Version	Description and changes
0.2.0	First public draft with the services offered by

Terminology

- Pääsuke - central access rights management system hosted in eesti.ee
- representee (previously named representedPerson) - person (most commonly a private limited company) that can be represented in e-services
- delegate - person who have been given a mandate to represent some representee
- namespace - provider of e-service (or e-services). Most commonly one provider = one namespace but several providers could also share one namespace. There is also a special namespace called GLOBAL (katusrollide nimeruum)
- role - group of privileges to be used in a e-service that can be granted to delegate by representee. Roles always belong to a namespace. Roles usually have descriptive names that indicate what the owner can do (VIEWER can view)
- mandate - role that is given to a delegate under some representee. Mandate can have start date, end date and some mandates can be sub-delegated (edasi delegeerima).

Notes

Playing with the mock services over X-Road

A mock service has been set up in ee-dev X-Road that mimics the expected behaviour of a system providing such services.

You can send requests against that services to better understand how the service has to work.

From the HTTP request examples throughout this document the X-Road specific headers (headers beginning with X-Road-...) are removed.

If you want to test te queries then you always need to add the following x-road headers and the accept parameter:

```
curl \
-H "accept: application/json" \
-H "X-Road-Client: ee-dev/GOV/70001234/generic-consumer" \
-H "X-Road-User-Id: EE39912310123" \
-H "X-Road-Id: 08544bbd2f41473800309d16bd81c64c0f54193d84b53f8ad287446a2aacdf5e" \
-X GET "https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused-estat/v1/roles" -H "namespace:
STAT"
```

You need to make following replacements:

- ee-dev/GOV/70001234/generic-consumer - replace with your own details. RIA needs to grant access to this x-road client.
- replace <https://security-server> with your security server IP/DNS.
- You need to set X-Road-User-ID to your own personal id code.

Different types of X-Road services in Pääsuke

When considering X-Road services they come in two different types:

- X-Road services that are consumed by Pääsuke itself. There are two types:
 - "standardized services" that are used by Pääsuke to get mandate related information from systems that keep mandates on their side (like EMTA and STAT). These services used standardized API so Pääsuke could dynamically add new providers in future.
 - all kinds of x-road services used by Pääsuke. These services are not standardized and not covered in this document.
- X-Road services that are provided by Pääsuke. There are two types of such services:
 - services to query mandate info
 - services to add mandate info into Pääsuke (employee of an e-service who keeps all its mandates in Pääsuke can insert mandates into the system)

Standard X-Road services that are consumed by Pääsuke

These services are used to show all the mandates from a central system. This way the representee has visibility all over the estonian e-services of the mandates that are currently valid.

Pääsuke uses following services to query systems that among other things store mandates. These services are called standard services that although data providers are different (Statistics Estonia, Estonian Tax and Customs Board, etc) these systems have all agreed to use the same query and data format.

While describing the services a screenshot has been added of the user interface where the data will end up to in Pääsuke.

Notes

Only currently active data is returned

The services only return mandates that are currently valid. The history is not available through this API.

Header parameter "namespace"

This parameter is mostly used to keep the services compatible with services offered by Pääsuke itself.

For anyone providing services to Pääsuke the namespace parameter will be fixed to a single value. For example Statistics Estonia uses "STAT" and Estonian Tax and Customs Board uses "EMTA").

It is advisable to hard-code the expected namespace on the provider side. If incorrect namespace is provided then return HTTP STATUS CODE 422 with the error indicating that the system doesn't know this namespace.

Header parameters are used instead of query parameters

We don't use any query parameters.

One of the reasons behind that is a known bug in MISP2.

Query "getRoles"

CURL query

```
curl -H "namespace: STAT" \
-H "If-Modified-Since: 2022-11-12T00:00:00+02:00" \
-X GET \
"https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused-estat/v1/roles"
```

This query returns all the roles with translations in Estonian, English and Russian.

Role name can contain following symbols: "A-Za-z0-9_.". Role name must be unique in the namespace.

Role name is not displayed out to the user, it is identifier of the role. It is recommended to use short names for roles.

When 'If-Modified-Since' is included in the request the service responds HTTP Status code 304 if no roles have been changed since that time. Otherwise all results (that match the filters) are returned (even the ones that have modified time earlier than If-Modified-Since parameter).

Query "getRepresenteeDelegatesWithMandates"

CURL query

```
curl -H "namespace: STAT" \
-H "If-Modified-Since: 2022-11-12T00:00:00+02:00" \
-X GET \
"https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused-estat/v1/representees/{representee}/delegates/mandates"
```

Returns all persons, who have a right to represent the representee currently or in the future.

View "Ettevõtte esindajad ja volitatud isikud"

This query is used to serve the following view in the Pääsuke UI. It displays all mandates that the representee has given out to others.

Punased Õhupallid (EE12345678)

Ettevõtte esindajad ja volitatud isikud

Ettevõttele antud volitused

Leia isik või ettevõtte

Ava filter

Lisa uus volitus

Mari Maasikas (49028099999)

Ettevõtlus: Juhatus liige

Vaata

Jüri Vaarikas (39211110000)

MTA: Raamatupidaja pakett
MTA: Ekspordikontrolli süsteemis (ECS, OMF)
väljaveodeklaratsioonide haldamine väljumistolliasutuses
STAT: VIS andmesisestaja
(alates 02.01.2023)

Muuda Eemalda

Kalle Kuusk-Konstantinov (37425050015)

MTA: Aktsiisipakett
STAT: eSTAT peakasutaja

Muuda Eemalda

Kaupo Kuusik (37925050002)

MTA: Pääsuõiguste haldaja

Muuda Eemalda

ABC-Tolliagentuur (EE23456789)

MTA: Tollideklaratsioonide esitamine

Muuda Eemalda

View "Ettevõtte <ettevõtettenimi> poolt antud volituste edasivolitused"

In the future Pääsuke will have a view to see list of subdelegators.

Imagine following situation. Väikefirma OÜ (EE1111111) has given a role BOOKKEEPER (from the GLOBAL namespace) to Raamatupidajad OÜ (EE2222222) with right to sub-delegate.

Now Raamatupidajad OÜ has sub-delegated this role to its employees Reijo Raamatukogu and Raili Raamatukoi.

Now a representator of Raamatupidajad OÜ clicks on "Väikefirma OÜ" in view "Ettevõttele antud volitused" and sees list with two employees.

UI makes following query:

CURL query

```
curl -H "namespace: EMTA" \
-H "subDelegatedBy: EE2222222" \
-X GET \
"https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused-estat/v1/representees/EE1111111/delegates/mandates"
```

And the query returns Raamatupidajad OÜ employees Reijo Raamatukogu and Raili Raamatukoi as these mandates were subdelegated by Raamatupidajad OÜ (EE2222222).

If Väikefirma OÜ has given mandates to other parties then they are not returned (since we have subDelegatedBy filter parameter in place).

View "Minu esindajad"

Kaugemas tulevikus saab eraisik Pääsukesest vaadata, kellele ta on andnud volituse ennast esindada ja millistes rollides

Query getDelegateRepresenteesWithMandates

GET

```
curl -H "namespace: EMTA" \
-X GET \
  "https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused-estat/v1/delegates/{delegate}/representees/mandates"
```

Returns all persons that the delegate has right to represent.

This query serves the following UI-s.


View "Ettevõttele antud volitused"

Ettevõtte (näit raamatupidamisbüroo) vaatab, millised teised ettevõtted talle on volitusi andnud.

Punased Õhupallid (EE12345678)

Ettevõtte esindajad ja volitatud isikud

Ettevõttele antud volitused

 **Pikad Puud OÜ (EE88765432)**

Ettevõtlus: **Andmete edastaja** ⓘ

[Muuda](#) [Volita edasi](#)

in the future there will be UI to display the list of persons that points to view "Ettevõtte <ettevõtte nimi> poolt antud volituste edasivolitused" described above.


View "Mulle antud volitused"

Private person opens Pääsuke to see what kind of mandates he has been given anywhere in the the estonian e-services (that are present in Pääsuke).

Kalle Kuusk-Konstantinov (50028099999)


Mulle antud volitused

Minu esindajad

 **Punased Õhupallid (EE12345678)**

MTA: **Aktiisipakett** ⓘ

[Vaata](#)

 **Soojad Saiad OÜ (EE23456789)**

STAT: **eSTAT peakasutaja** ⓘ

[Muuda](#) [Volita edasi](#)

Query removeMandateFromDelegate

```
curl -H "namespace: EMTA" \
-X DELETE \
  "https://security-server/r1/ee-dev/GOV/70006317/volitused-mock/volitused-estat/v1/representees/{representee}/delegates/{delegate}/mandates/{role}"
```

Removes role from delegate in given namespace.

Values of representee, delegate ja role are taken by Pääsuke from the output of the companies (link with rel "xroadDelete").

View to remove mandates from delegate

Serves following view of the Pääsuke UI. This view allows to individually pick the mandates to be removed.

Esindaja volitused

×

Esindaja

Esindatav

Jüri Vaarikas (39211110000)

Punased Õhupallid (EE12345678)

Finants: Raamatupidaja ⓘ

6.11.2020 - Tähtajatu

Märgitud eemaldamisele

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Ettevõtlus: Andmete edastaja ⓘ

6.11.2020 - 31.12.2021

[Eemalda](#) [Muuda](#)

Finants: Andmete vaataja ⓘ

6.11.2022 - Tähtajatu

Märgitud eemaldamisele

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+ Lisa volitus

Eemalda kõik

Tühista

Kinnita

X-road services offered by Pääsukese to query mandates that are stored in Pääsuke.

These services will be described in the future releases of this document.