

Änderungen in I_Device_Managment_Insurant.yaml

Änderung in Operation registerDevice

description: |
Initializes the registration of a new device.</br>
This operation is limited to users of role oid_versicherter. An entitlement is not required.
****Client**:**</br>
A client receives device identifier and device token for a new, not yet registered, device.
Identifier and token shall be kept for subsequent operations with a health record.
A client will then receive an email containing a confirmation code. **The addressed email accounts are part of the operation response.**
This confirmation code shall be used to confirm the new device registration within 6 hours from
registration request time on (`_createdAt_`, see response content).
A client shall NOT register a new device if the user is NOT the owner of the device!
This
applies in an "Authorize Representative" use case with a user operating on a borrowed device.
****Provider****</br>
A new device registration associated to the kvnr of the requestor shall be created with:

- status 'pending'.
- timestamp `_createdAt_` set to current system time
- a unique confirmation code assigned, valid for 6 hours from `_createdAt_` time on
- a retry counter for failed confirmation attempts, allowing 4 consecutive failed confirmations
- a `_displayName_` using the provided `_deviceName_`
- a new unique `_deviceToken_`
- a new unique `_deviceIdentifier_` (uuid)

If no `_deviceName_` is provided, a generic but among the kvnr associated devices unique device name shall be applied (e.g "newDevice001").
An email shall be sent to all stored email addresses associated to the kvnr of the user. This email shall
request device registration confirmation by the user and contain the confirmation code.
All notified email addresses shall be listed in the reponse.
The registration shall fail in case:

- no email address of the user can be evaluated or
- too many failed attempts for registration occur in the past
 - 3 consecutive failed device registrations were requested for the kvnr of the user within a period of 8 hours and
 - the last failed device registration is less than 8 hours in the past of current system time (waiting time) or
 - in a "Authorize Representative" use case.

"Authorize Representative" applies when the last preceding
`_I_Authorization_Service::sendAuthorizationRequestfdV_` operation
for login used a parameter `_x-authorize_representative_ == _true_`.
A failed device registration is evident in case a not yet confirmed device registration

is deleted,

either caused by an expired confirmation code or by too many failed attempts for confirmation.

Device identifier and -token shall be persisted associated to the kvnr. The kvnr shall never be persisted in plain

text but must be stored pseudonymously.

responses:

'201':

description: "Created"

content:

application/json:

schema:

type: object

properties:

deviceIdentifier:

\$ref: '#/components/schemas/DeviceIdentifierType'

deviceToken:

\$ref: '#/components/schemas/DeviceTokenType'

data:

\$ref: '#/components/schemas/PendingDeviceType'

emailNotification:

\$ref: '#/components/schemas/EmailListType'

examples:

New_Device_1:

summary: A new device registration

value:

deviceIdentifier: '1d20dfa6-e920-4196-80ab-d411ee257748'

deviceToken:

8827da6359c78d81a5df7650b972308aa88394fa8f325b742b125372d7f70f50

data:

status: pending

displayName: "my health care device"

createdAt: 2025-04-22T14:23:01Z

remainingConfirmationRetries: 4

emailNotification:

- myPrivateMailAccount@example.com

New_Device_2:

summary: Another new device registration

value:

deviceIdentifier: '3def7890-f754-4db5-b563-adc8e888495a'

deviceToken:

ae9877f42898a24674d75aed479cabbf02adfa68ebb40a03020c910599337c53

data:

status: pending

displayName: "newDevice001"

createdAt: 2025-05-01T08:47:12Z

remainingConfirmationRetries: 4

emailNotification:

- myPrivateMailAccount@example.com

- myAdditionalMailAccount@example.com

Änderung in schemas:

```
EmailListType:  
  type: array  
  items:  
    type: string  
    format: email
```