SCIM module - save extended form value

scim

SCIM module was added in CzechIdM 8.1.0.

We want to create user (~IdM identity) with an extended attribute (~IdM form value).

Extended attributes are defined as extended schema, which can be added to resources implementing `FormableResource` interface (available resources with their schemas can be found from schema endpoint).

What do you need before you start

- We need to install CzechIdM 8.1.0 (and higher). We have CzechIdM installed for this tutorial on server `http://localhost:8080/idm`.
- We need to install Scim module into CzechIdM.
- Create identity, which will have permission to create and read reports. We are using demo `admin:admin` identity.

Note: Swagger can be used for try this examples.

01 Read form definition

The first thing ee need to now, which extended attributes are available for given resources. We'll use `FormDefinition` resource ⇒ form definition can be found by type (~definition's entity type owner. IdM entity name has to be used, extended attributes are CzechIdM specific) and code (~definition name):

```
curl -X GET --header 'Accept: application/json' --header 'Authorization:
Basic YWRtaW46YWRtaW4='
'http://localhost:8080/idm/api/v1/scim/FormDefinitions?filter=type%2520eq%25
20%2522eu.bcvsolutions.idm.core.model.entity.IdmIdentity%2522%2520and%2520co
de%2520eq%2520%2522default%2522&sortOrder=ascending&startIndex=1&count=10'
```

02 Save form values

Form definition response contains available attributes and their persistent type (~data type). We need to set value attribute by defined persistent type. In this example attribute `extAttr` has type SHORTTEXT and that is the reason, why `shortTextValue` attribute has to be filled:

```
curl -X POST --header 'Content-Type: application/json' --header 'Accept:
application/json' --header 'Authorization: Basic YWRtaW46YWRtaW4=' -d '{
    "schemas": [
      "urn:ietf:params:scim:schemas:core:2.0:User",
```

```
      "urn:ietf:params:scim:schemas:CzechIdM:1.0:Form"
    ],
   "userName": "scimTwo",
   "urn:ietf:params:scim:schemas:CzechIdM:1.0:Form": {
   "forms" : [{
           "code": "default",
           "attributes": [{
                   "code": "extAttr",
              "values": [{
                      "shortTextValue": "test"
              }]
           }
       ]
   }
   ]}
}' 'http://localhost:8080/idm/api/v1/scim/Users'
```

> Congratulations, as you can see from response, you saved the first extended attribute value.

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