# OS2sync

Raw API Documentation

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## Content

L	Intr	oduc	tion	4
2	Rav	v API	overview	4
3	Dat	amod	del	5
1	Exa	mple	requests	5
	4.1	Cre	ate OrganisationEnhed	5
	4.1	.1	Request	5
	4.1	.2	Response	ç
	4.2	Upc	late OrganisationEnhed	ç
	4.2	.1	Request	ç
	4.2	.2	Response	.3
	4.3	Rea	nd OrganisationEnhed	.3
	4.3	.1	Request	. 3
	4.3	.2	Response	. 3
	4.4	Cre	ate OrganisationFunktion1	.6
	4.4	.1	Request	.6
	4.4	.2	Response	9
	4.5	Upc	late OrganisationFunktion	.9
	4.5	.1	Request	2
	4.5	.2	Response	23
	4.6	Rea	nd OrganisationFunktion2	23
	4.6	.1	Request	23
	4.6	.2	Response	23
	4.7	Sea	rch OrganisationFunktion2	27
	4.7	.1	Request	27
	4.7	.2	Response	28
	4.8	Cre	ate Organisation2	28
	4.8	.1	Request	28
	4.8	.2	Response	30
	4.9	Upc	late Organisation3	31
	4.9	.1	Request	31
	4.9	.2	Response	34
	4.10	Rea	nd Organisation3	34
	4.1	0.1	Request	34
	4.1	0.2	Response	}4
	4.11	Cre	ate Adresse3	37
	4.1	1.1	Request 3	37



4.1	1.2	Response	38
4.12	Upd	late Adresse	39
4.12	2.1	Request	39
4.12	2.2	Response	39
4.13	Rea	nd Adresse4	40
4.13	3.1	Request	10
4.13	3.2	Response	40
4.14	Cre	ate Person	41
4.14	4.1	Request	41
4.14	1.2	Response	12
4.15	Upd	late Person	12
4.15	5.1	Request	12
4.1	5.2	Response	13
4.16	Rea	nd Person	13
4.16	5.1	Request	13
4.16	5.2	Response	13
4.17	Cre	ate Bruger4	14
4.17	7.1	Request	14
4.17	7.2	Response	19
4.18	Upd	late Bruger	19
4.18	3.1	Request	19
4.18	3.2	Response	53
4.19	Rea	d Bruger	53
4.19	9.1	Request	53
4.19	9.2	Response	54



## 1 Introduction

The purpose of this document is it describe the Raw API offered by the OS2sync solution in technical details, so the reader is fully equipped to use the OS2sync Raw APIs.

Note that the Raw API differs from the ordinary API in that it contains no business logic, and simply performs passthrough of the REST calls to the corresponding SOAP endpoints on STS Organisation.

That also means that any errors are passed through, so an invalid call through the REST layer will be passed to the SOAP endpoint (if the JSON payload is valid JSON), which will likely result in SOAP error message.

STS Organisation does not give out detailed error messages, instead they just return the code 40 on bad requests, and the caller must then guess what they did wrong.

### 1.1 Note regarding updating to OS2sync v4

There are no changes to the usage of the RAW API's when updating from V3 to V4, but as the RAW API does a straight passthrough of data, without any mapping, the actual datamodels might have changed slightly.

As the major changes to the latest version of the FK Organisation SOAP services are SOAP related, the actual data should not have changed on the REST-side, but callers should verify that the fields they expect are still there.

## 2 Raw API overview

The Raw API has the following endpoints (port 5000 and localhost is assumed for all examples)

```
GET http://localhost:5000/api/rawOrganisation/{uuid}
POST http://localhost:5000/api/rawOrganisation
POST http://localhost:5000/api/rawOrganisation/{uuid}
GET http://localhost:5000/api/rawOrganisationFunktion/{uuid}
GET http://localhost:5000/api/rawOrganisationFunktion/search
POST http://localhost:5000/api/rawOrganisationFunktion
POST http://localhost:5000/api/rawOrganisationFunktion/{uuid}
GET http://localhost:5000/api/rawOrganisationEnhed/{uuid}
POST http://localhost:5000/api/rawOrganisationEnhed
POST http://localhost:5000/api/rawOrganisationEnhed/{uuid}
GET http://localhost:5000/api/rawPerson/{uuid}
POST http://localhost:5000/api/rawPerson
POST http://localhost:5000/api/rawPerson/{uuid}
GET http://localhost:5000/api/rawBruger/{uuid}
POST http://localhost:5000/api/rawBruger
POST http://localhost:5000/api/rawBruger/{uuid}
```

Digital Identity Aps 4 / 58



```
GET http://localhost:5000/api/rawAdresse/{uuid}
POST http://localhost:5000/api/rawAdresse
POST http://localhost:5000/api/rawAdresse/{uuid}
```

The API consists of READ, CREATE and UPDATE operations for all 6 object types, except for the OrganisationFunktion object, which has an additional SEARCH operation, as the OrganisationFunktion object is not easily read without being able to search for specific objects.

## 3 Datamodel

As the datamodel used for input/output is simply the existing OIO datamodel, this section simply references the external documentation.

It is possible to see the XSDs for the SOAP interfaces by loading the WSDL for the SOAP webservices into a tool like SoapUI, or by simply looking at the referenced XSD files.

The documentation can be found here

https://digitaliseringskataloget.dk/integration/sf1500

It might be worth looking at the official OIO documentation as well

https://digitaliseringskataloget.dk/integration/sf1500

though note that the KOMBIT implementation is based on version 1.1, combined with a few fields from 2.0 on the Adresse object.

## 4 Example requests

Below are examples for each of the operations, showing the datamodel with the most common fields filled out.

## 4.1 Create OrganisationEnhed

This method calls the Importer SOAP operation, which can only be used for new objects. If the object already exists, error code 49 is returned from the SOAP service.

## 4.1.1 Request

Digital Identity Aps 5 / 58



```
"AktoerRef": {
                                     "Item": "89cba575-d106-4732-87ab-
45c09ac56874",
                                     "ItemElementName": "UUIDIdentifikator"
                                 },
                                 "AktoerTypeKode": "Organisation",
                                 "AktoerTypeKodeSpecified": true,
                                 "NoteTekst": null
                             },
                             "BrugervendtNoegleTekst": "X",
                             "EnhedNavn": "X"
                        }
                    ],
                    "LokalUdvidelse": null
                } ,
                "TilstandListe": {
                    "Gyldighed": [
                         {
                             "Virkning": {
                                 "FraTidspunkt": {
                                     "Item": "2019-03-13T00:00:00+01:00"
                                 },
                                 "TilTidspunkt": null,
                                 "AktoerRef": {
                                     "Item": "89cba575-d106-4732-87ab-
45c09ac56874",
                                     "ItemElementName": "UUIDIdentifikator"
                                 },
                                 "AktoerTypeKode": "Organisation",
                                 "AktoerTypeKodeSpecified": true,
                                 "NoteTekst": null
                             "GyldighedStatusKode": "Aktiv"
                        }
                    ],
                    "LokalUdvidelse": null
                },
                "RelationListe": {
                    "Adresser": [
                             "Rolle": {
                                 "Item": "2b670843-ce42-411a-8fb5-311dfdd5caf0",
                                 "ItemElementName": "UUIDIdentifikator"
                             },
                             "Type": {
                                 "Item": "9b33c0a0-a566-4ec0-8200-325cb1e5bb9a",
                                 "ItemElementName": "UUIDIdentifikator"
```

Digital Identity Aps 6 / 58



```
},
                            "Indeks": "1",
                            "Virkning": {
                                 "FraTidspunkt": {
                                     "Item": "2019-03-13T00:00:00+01:00"
                                 "TilTidspunkt": null,
                                 "AktoerRef": {
                                     "Item": "89cba575-d106-4732-87ab-
45c09ac56874",
                                     "ItemElementName": "UUIDIdentifikator"
                                 },
                                 "AktoerTypeKode": "Organisation",
                                 "AktoerTypeKodeSpecified": true,
                                 "NoteTekst": null
                            },
                            "ReferenceID": {
                                 "Item": "f10bfad6-39bd-4dc4-9996-d0f95facfae4",
                                 "ItemElementName": "UUIDIdentifikator"
                            }
                        }
                    ],
                    "Ansatte": null,
                    "Branche": null,
                    "Enhedstype": {
                        "Virkning": {
                            "FraTidspunkt": {
                                 "Item": "2019-03-13T00:00:00+01:00"
                            },
                            "TilTidspunkt": null,
                            "AktoerRef": {
                                 "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                                 "ItemElementName": "UUIDIdentifikator"
                            "AktoerTypeKode": "Organisation",
                            "AktoerTypeKodeSpecified": true,
                            "NoteTekst": null
                        },
                        "ReferenceID": {
                            "Item": "16bf18c3-ed6f-44b0-b7a1-35f94984e519",
                            "ItemElementName": "URNIdentifikator"
                        }
                    },
                    "Opgaver": null,
                    "Overordnet": {
                        "Virkning": {
                            "FraTidspunkt": {
```

Digital Identity Aps 7 / 58



```
"Item": "2019-03-13T00:00:00+01:00"
            },
            "TilTidspunkt": null,
            "AktoerRef": {
                "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                "ItemElementName": "UUIDIdentifikator"
            },
            "AktoerTypeKode": "Organisation",
            "AktoerTypeKodeSpecified": true,
            "NoteTekst": null
        },
        "ReferenceID": {
            "Item": "6e4c1225-b0de-4aaa-95c6-eaa9a594a304",
            "ItemElementName": "UUIDIdentifikator"
        }
    },
    "Produktionsenhed": null,
    "Skatteenhed": null,
    "Tilhoerer": {
        "Virkning": {
            "FraTidspunkt": {
                "Item": "2019-03-13T00:00:00+01:00"
            "TilTidspunkt": null,
            "AktoerRef": {
                "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                "ItemElementName": "UUIDIdentifikator"
            },
            "AktoerTypeKode": "Organisation",
            "AktoerTypeKodeSpecified": true,
            "NoteTekst": null
        } ,
        "ReferenceID": {
            "Item": "89cba575-d106-4732-87ab-45c09ac56874",
            "ItemElementName": "UUIDIdentifikator"
        }
    },
    "TilknyttedeBrugere": null,
    "TilknyttedeEnheder": null,
    "TilknyttedeFunktioner": null,
    "TilknyttedeInteressefaellesskaber": null,
    "TilknyttedeOrganisationer": null,
    "TilknyttedePersoner": null,
    "TilknyttedeItSystemer": null,
   "LokalUdvidelse": null
"NoteTekst": null,
```

Digital Identity Aps 8 / 58

},



```
"Tidspunkt": "2019-03-13T09:45:47.986+01:00",
                "TidspunktSpecified": true,
                "LivscyklusKode": "Importeret",
                "LivscyklusKodeSpecified": true,
                "BrugerRef": {
                    "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "ItemElementName": "UUIDIdentifikator"
                }
            }
        ],
        "UUIDIdentifikator": "acff2e55-fc97-4cc6-a144-2c641b3b5fa7"
    }
}
4.1.2 Response
  "importerResponse1": {
    "importOutput": {
      "standardRetur": {
        "statusKode": "20",
        "fejlbeskedTekst": "OK"
    }
  }
}
```

## 4.2 Update OrganisationEnhed

This calls the Ret operation on the SOAP service and can only be used on existing objects. It returns error code 44 if the object does not exist.

#### 4.2.1 Request

```
{
    "AttributListe": {
        "Egenskab": [
            {
                "Virkning": {
                    "FraTidspunkt": {
                        "Item": "2019-03-13T00:00:00+01:00"
                    },
                    "TilTidspunkt": null,
                    "AktoerRef": {
                        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                        "ItemElementName": "UUIDIdentifikator"
                    },
                    "AktoerTypeKode": "Organisation",
                    "AktoerTypeKodeSpecified": true,
                    "NoteTekst": null
```

Digital Identity Aps 9 / 58



```
} ,
            "BrugervendtNoegleTekst": "Compatibilx2",
            "EnhedNavn": "Compatibility2"
        }
   ],
    "LokalUdvidelse": null
} ,
"TilstandListe": {
    "Gyldighed": [
            "Virkning": {
                "FraTidspunkt": {
                    "Item": "2019-02-26T18:02:00+01:00"
                } ,
                "TilTidspunkt": {
                    "Item": true
                } ,
                "AktoerRef": {
                    "Item": "a7f3ee30-c4bb-4243-b3f5-4821dc11c6d1",
                    "ItemElementName": "UUIDIdentifikator"
                "AktoerTypeKode": "Organisation",
                "AktoerTypeKodeSpecified": true,
                "NoteTekst": null
            },
            "GyldighedStatusKode": "Aktiv"
        }
   ],
    "LokalUdvidelse": null
},
"RelationListe": {
    "Adresser": [
        {
            "Rolle": {
                "Item": "2b670843-ce42-411a-8fb5-311dfdd5caf0",
                "ItemElementName": "UUIDIdentifikator"
            },
            "Type": {
                "Item": "9b33c0a0-a566-4ec0-8200-325cb1e5bb9a",
                "ItemElementName": "UUIDIdentifikator"
            },
            "Indeks": "1",
            "Virkning": {
                "FraTidspunkt": {
                    "Item": "2019-03-13T00:00:00+01:00"
                "TilTidspunkt": {
```

Digital Identity Aps 10 / 58



```
"Item": true
            },
            "AktoerRef": {
                "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                "ItemElementName": "UUIDIdentifikator"
            } ,
            "AktoerTypeKode": "Organisation",
            "AktoerTypeKodeSpecified": true,
            "NoteTekst": null
        },
        "ReferenceID": {
            "Item": "989cac3f-b6cd-4182-9c88-a0b88e4f0838",
            "ItemElementName": "UUIDIdentifikator"
        }
    }
],
"Ansatte": null,
"Branche": null,
"Enhedstype": {
    "Virkning": {
        "FraTidspunkt": {
            "Item": "2019-03-13T00:00:00+01:00"
        "TilTidspunkt": {
            "Item": true
        },
        "AktoerRef": {
            "Item": "89cba575-d106-4732-87ab-45c09ac56874",
            "ItemElementName": "UUIDIdentifikator"
        } ,
        "AktoerTypeKode": "Organisation",
        "AktoerTypeKodeSpecified": true,
        "NoteTekst": null
    },
    "ReferenceID": {
        "Item": "16bf18c3-ed6f-44b0-b7a1-35f94984e519",
        "ItemElementName": "URNIdentifikator"
    }
},
"Opgaver": null,
"Overordnet": {
    "Virkning": {
        "FraTidspunkt": {
            "Item": "2019-02-26T18:02:00+01:00"
        },
        "TilTidspunkt": {
            "Item": true
```

Digital Identity Aps 11 / 58



```
} ,
            "AktoerRef": {
                "Item": "a7f3ee30-c4bb-4243-b3f5-4821dc11c6d1",
                "ItemElementName": "UUIDIdentifikator"
            } ,
            "AktoerTypeKode": "Organisation",
            "AktoerTypeKodeSpecified": true,
            "NoteTekst": null
        },
        "ReferenceID": {
            "Item": "6e4c1225-b0de-4aaa-95c6-eaa9a594a304",
            "ItemElementName": "UUIDIdentifikator"
    },
    "Produktionsenhed": null,
    "Skatteenhed": null,
    "Tilhoerer": {
        "Virkning": {
            "FraTidspunkt": {
                "Item": "2019-02-26T18:02:00+01:00"
            },
            "TilTidspunkt": {
                "Item": true
            },
            "AktoerRef": {
                "Item": "a7f3ee30-c4bb-4243-b3f5-4821dc11c6d1",
                "ItemElementName": "UUIDIdentifikator"
            },
            "AktoerTypeKode": "Organisation",
            "AktoerTypeKodeSpecified": true,
            "NoteTekst": null
        },
        "ReferenceID": {
            "Item": "89cba575-d106-4732-87ab-45c09ac56874",
            "ItemElementName": "UUIDIdentifikator"
        }
    },
    "TilknyttedeBrugere": null,
   "TilknyttedeEnheder": null,
    "TilknyttedeFunktioner": null,
    "TilknyttedeInteressefaellesskaber": null,
    "TilknyttedeOrganisationer": null,
    "TilknyttedePersoner": null,
    "TilknyttedeItSystemer": null,
   "LokalUdvidelse": null
"UUIDIdentifikator": "dcdf2e55-fc97-4cc6-a144-2c641b3bdfa8",
```

Digital Identity Aps 12 / 58

},



## 4.3 Read OrganisationEnhed

This operation calls the Laes operation on the SOAP service and returns error code 44 if the object does not exist.

#### 4.3.1 Request

No payload - read operations just take the UUID as a path parameter in the URL

#### 4.3.2 Response

```
"laesResponse1": {
  "laesOutput": {
    "filtreretOejebliksbillede": {
      "objektType": {
        "uuidIdentifikator": "77ac1f09-a94e-4735-a030-93d11ded7f60"
      },
      "registrering": [
        {
          "attributListe": {
            "egenskab": [
              {
                "virkning": {
                  "fraTidspunkt": {
                    "item": "2020-08-05T00:00:00+02:00"
                  },
                  "tilTidspunkt": {
                    "item": true
                  } ,
                  "aktoerRef": {
                    "item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "itemElementName": "UUIDIdentifikator"
                  },
                  "aktoerTypeKode": "Organisation",
```

Digital Identity Aps 13 / 58



```
"aktoerTypeKodeSpecified": true,
        "noteTekst": null
      },
      "brugervendtNoegleTekst": "abcd1234",
      "enhedNavn": "Enhedsnavn"
    }
 ],
  "lokalUdvidelse": null
},
"tilstandListe": {
  "gyldighed": [
    {
      "virkning": {
        "fraTidspunkt": {
          "item": true
        },
        "tilTidspunkt": {
          "item": true
        },
        "aktoerRef": {
          "item": "2cc5ef32-69a2-4694-95dd-c74ed9ebf111",
          "itemElementName": "UUIDIdentifikator"
        },
        "aktoerTypeKode": "Organisation",
        "aktoerTypeKodeSpecified": true,
        "noteTekst": null
      },
      "gyldighedStatusKode": "Aktiv"
    }
 ],
 "lokalUdvidelse": null
},
"relationListe": {
  "adresser": null,
 "ansatte": null,
  "branche": null,
  "enhedstype": {
    "virkning": {
      "fraTidspunkt": {
        "item": "2020-05-26T00:00:00+02:00"
      "tilTidspunkt": {
        "item": true
      },
      "aktoerRef": {
        "item": "89cba575-d106-4732-87ab-45c09ac56874",
        "itemElementName": "UUIDIdentifikator"
```

Digital Identity Aps 14 / 58



```
} ,
      "aktoerTypeKode": "Organisation",
      "aktoerTypeKodeSpecified": true,
      "noteTekst": null
    } ,
    "referenceID": {
      "item": "16bf18c3-ed6f-44b0-b7a1-35f94984e519",
     "itemElementName": "URNIdentifikator"
    }
  },
  "opgaver": null,
  "overordnet": null,
  "produktionsenhed": null,
  "skatteenhed": null,
  "tilhoerer": {
    "virkning": {
      "fraTidspunkt": {
        "item": true
      },
      "tilTidspunkt": {
        "item": true
      },
      "aktoerRef": {
        "item": "89cba575-d106-4732-87ab-45c09ac56874",
        "itemElementName": "UUIDIdentifikator"
      "aktoerTypeKode": "Organisation",
      "aktoerTypeKodeSpecified": true,
      "noteTekst": null
    },
    "referenceID": {
      "item": "89cba575-d106-4732-87ab-45c09ac56874",
      "itemElementName": "UUIDIdentifikator"
    }
  },
  "tilknyttedeBrugere": null,
  "tilknyttedeEnheder": null,
  "tilknyttedeFunktioner": null,
  "tilknyttedeInteressefaellesskaber": null,
  "tilknyttedeOrganisationer": null,
 "tilknyttedePersoner": null,
  "tilknyttedeItSystemer": null,
  "lokalUdvidelse": null
},
"noteTekst": null,
"tidspunkt": "2020-08-05T08:29:26.676+02:00",
"tidspunktSpecified": true,
```

Digital Identity Aps 15 / 58



## 4.4 Create OrganisationFunktion

This method calls the Importer SOAP operation, which can only be used for new objects. If the object already exists, error code 49 is returned from the SOAP service.

#### 4.4.1 Request

```
"OrganisationFunktion": {
  "Registrering": [
      "AttributListe": {
        "Egenskab": [
          {
            "Virkning": {
              "FraTidspunkt": {
                "Item": "2020-08-06T00:00:00+02:00"
              } ,
              "TilTidspunkt": null,
              "AktoerRef": {
                "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                "ItemElementName": "UUIDIdentifikator"
              "AktoerTypeKode": "Organisation",
              "AktoerTypeKodeSpecified": true,
              "NoteTekst": null
            },
            "BrugervendtNoegleTekst": "f3d882eb",
            "FunktionNavn": "PositionNameValue"
          }
        ],
        "LokalUdvidelse": null
      },
      "TilstandListe": {
        "Gyldighed": [
          {
```

Digital Identity Aps 16 / 58



```
"Virkning": {
        "FraTidspunkt": {
          "Item": "2020-08-06T00:00:00+02:00"
        "TilTidspunkt": null,
        "AktoerRef": {
          "Item": "89cba575-d106-4732-87ab-45c09ac56874",
          "ItemElementName": "UUIDIdentifikator"
        },
        "AktoerTypeKode": "Organisation",
        "AktoerTypeKodeSpecified": true,
        "NoteTekst": null
      },
      "GyldighedStatusKode": "Aktiv"
    }
 ],
  "LokalUdvidelse": null
},
"RelationListe": {
  "Adresser": null,
  "Funktionstype": {
    "Virkning": {
      "FraTidspunkt": {
        "Item": "2020-08-06T00:00:00+02:00"
      "TilTidspunkt": null,
      "AktoerRef": {
        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
        "ItemElementName": "UUIDIdentifikator"
      },
      "AktoerTypeKode": "Organisation",
      "AktoerTypeKodeSpecified": true,
      "NoteTekst": null
    } ,
    "ReferenceID": {
      "Item": "02e61900-33e0-407f-a2a7-22f70221f003",
      "ItemElementName": "UUIDIdentifikator"
    }
  },
  "Opgaver": null,
  "TilknyttedeBrugere": [
    {
      "Virkning": {
        "FraTidspunkt": {
          "Item": "2020-08-06T00:00:00+02:00"
        "TilTidspunkt": null,
```

Digital Identity Aps 17 / 58



```
"AktoerRef": {
        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
        "ItemElementName": "UUIDIdentifikator"
      } ,
      "AktoerTypeKode": "Organisation",
      "AktoerTypeKodeSpecified": true,
      "NoteTekst": null
    },
    "ReferenceID": {
      "Item": "8947464f-e4df-4edd-a67b-269f63d5622b",
     "ItemElementName": "UUIDIdentifikator"
  }
],
"TilknyttedeEnheder": [
  {
    "Virkning": {
      "FraTidspunkt": {
        "Item": "2020-08-06T00:00:00+02:00"
      },
      "TilTidspunkt": null,
      "AktoerRef": {
        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
        "ItemElementName": "UUIDIdentifikator"
      },
      "AktoerTypeKode": "Organisation",
      "AktoerTypeKodeSpecified": true,
      "NoteTekst": null
    },
    "ReferenceID": {
      "Item": "58ba4f6c-3d0d-4d36-aa02-fd78a0f14317",
      "ItemElementName": "UUIDIdentifikator"
  }
],
"TilknyttedeInteressefaellesskaber": null,
"TilknyttedeOrganisationer": [
    "Virkning": {
      "FraTidspunkt": {
        "Item": "2020-08-06T00:00:00+02:00"
      },
      "TilTidspunkt": null,
      "AktoerRef": {
        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
        "ItemElementName": "UUIDIdentifikator"
      },
```

Digital Identity Aps 18 / 58



```
"AktoerTypeKode": "Organisation",
                "AktoerTypeKodeSpecified": true,
                "NoteTekst": null
              },
              "ReferenceID": {
                "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                "ItemElementName": "UUIDIdentifikator"
            }
          "TilknyttedePersoner": null,
          "TilknyttedeItSystemer": null,
          "LokalUdvidelse": null
        },
        "NoteTekst": null,
        "Tidspunkt": "2020-08-06T12:02:38.2737102+02:00",
        "TidspunktSpecified": true,
        "LivscyklusKode": "Importeret",
        "LivscyklusKodeSpecified": true,
        "BrugerRef": {
          "Item": "89cba575-d106-4732-87ab-45c09ac56874",
          "ItemElementName": "UUIDIdentifikator"
        }
      }
    ],
    "UUIDIdentifikator": "26d58d5c-9bff-4bdd-a317-729fed8b97be"
}
4.4.2 Response
  "importerResponse1": {
    "importOutput": {
      "standardRetur": {
        "statusKode": "20",
        "fejlbeskedTekst": "OK"
      }
    }
}
```

## 4.5 Update OrganisationFunktion

This calls the Ret operation on the SOAP service and can only be used on existing objects. It returns error code 44 if the object does not exist.

```
4.5.1 Request
```

Digital Identity Aps 19 / 58



```
"AttributListe": {
  "Egenskab": [
    {
      "Virkning": {
        "FraTidspunkt": {
          "Item": "2019-11-25T00:00:00+01:00"
        "TilTidspunkt": null,
        "AktoerRef": {
          "Item": "89cba575-d106-4732-87ab-45c09ac56874",
          "ItemElementName": "UUIDIdentifikator"
        },
        "AktoerTypeKode": "Organisation",
        "AktoerTypeKodeSpecified": true,
        "NoteTekst": null
      },
      "BrugervendtNoegleTekst": "a10e4f46",
      "FunktionNavn": "Ansat 5"
    }
 ],
  "LokalUdvidelse": null
},
"TilstandListe": {
  "Gyldighed": [
    {
      "Virkning": {
        "FraTidspunkt": {
          "Item": "2019-11-14T00:00:00+01:00"
        },
        "TilTidspunkt": {
          "Item": true
        },
        "AktoerRef": {
          "Item": "89cba575-d106-4732-87ab-45c09ac56874",
          "ItemElementName": "UUIDIdentifikator"
        "AktoerTypeKode": "Organisation",
        "AktoerTypeKodeSpecified": true,
        "NoteTekst": null
      },
      "GyldighedStatusKode": "Aktiv"
    }
 ],
  "LokalUdvidelse": null
},
"RelationListe": {
 "Adresser": null,
```

Digital Identity Aps 20 / 58



```
"Funktionstype": {
  "Virkning": {
    "FraTidspunkt": {
      "Item": "2019-11-14T00:00:00+01:00"
    } ,
    "TilTidspunkt": {
      "Item": true
    },
    "AktoerRef": {
      "Item": "89cba575-d106-4732-87ab-45c09ac56874",
      "ItemElementName": "UUIDIdentifikator"
    },
    "AktoerTypeKode": "Organisation",
    "AktoerTypeKodeSpecified": true,
    "NoteTekst": null
  },
  "ReferenceID": {
    "Item": "02e61900-33e0-407f-a2a7-22f70221f003",
    "ItemElementName": "UUIDIdentifikator"
  }
} ,
"Opgaver": null,
"TilknyttedeBrugere": [
    "Virkning": {
      "FraTidspunkt": {
        "Item": "2019-11-14T00:00:00+01:00"
      } ,
      "TilTidspunkt": {
        "Item": true
      },
      "AktoerRef": {
        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
        "ItemElementName": "UUIDIdentifikator"
      "AktoerTypeKode": "Organisation",
      "AktoerTypeKodeSpecified": true,
      "NoteTekst": null
    },
    "ReferenceID": {
      "Item": "ab88813b-9571-489a-a9ef-072bd6a5711d",
      "ItemElementName": "UUIDIdentifikator"
    }
  }
],
"TilknyttedeEnheder": [
 {
```

Digital Identity Aps 21 / 58



```
"Virkning": {
      "FraTidspunkt": {
        "Item": "2019-11-14T00:00:00+01:00"
      "TilTidspunkt": {
        "Item": true
      },
      "AktoerRef": {
        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
        "ItemElementName": "UUIDIdentifikator"
      },
      "AktoerTypeKode": "Organisation",
      "AktoerTypeKodeSpecified": true,
      "NoteTekst": null
    },
    "ReferenceID": {
      "Item": "58ba4f6c-3d0d-4d36-aa02-fd78a0f14317",
      "ItemElementName": "UUIDIdentifikator"
    }
  }
],
"TilknyttedeInteressefaellesskaber": null,
"TilknyttedeOrganisationer": [
    "Virkning": {
      "FraTidspunkt": {
        "Item": "2019-11-14T00:00:00+01:00"
      },
      "TilTidspunkt": {
        "Item": true
      },
      "AktoerRef": {
        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
        "ItemElementName": "UUIDIdentifikator"
      "AktoerTypeKode": "Organisation",
      "AktoerTypeKodeSpecified": true,
      "NoteTekst": null
    },
    "ReferenceID": {
      "Item": "89cba575-d106-4732-87ab-45c09ac56874",
      "ItemElementName": "UUIDIdentifikator"
    }
  }
],
"TilknyttedePersoner": null,
"TilknyttedeItSystemer": null,
```

Digital Identity Aps 22 / 58



## 4.6 Read OrganisationFunktion

This operation calls the Laes operation on the SOAP service and returns error code 44 if the object does not exist.

#### 4.6.1 Request

No payload - read operations just take the UUID as a path parameter in the URL

#### 4.6.2 Response

```
"laesResponse1": {
 "laesOutput": {
    "filtreretOejebliksbillede": {
      "objektType": {
        "uuidIdentifikator": "ca039896-5325-4107-afb6-a28b1b7d77c5"
      },
      "registrering": [
          "attributListe": {
            "egenskab": [
              {
                "virkning": {
                  "fraTidspunkt": {
                    "item": "2019-11-19T00:00:00+01:00"
                  "tilTidspunkt": {
                    "item": true
                  },
                  "aktoerRef": {
                    "item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "itemElementName": "UUIDIdentifikator"
```

Digital Identity Aps 23 / 58



```
} ,
        "aktoerTypeKode": "Organisation",
        "aktoerTypeKodeSpecified": true,
        "noteTekst": null
      },
      "brugervendtNoegleTekst": "a10e4f46",
      "funktionNavn": "Ansat 4"
   }
 ],
  "lokalUdvidelse": null
},
"tilstandListe": {
  "gyldighed": [
   {
      "virkning": {
        "fraTidspunkt": {
          "item": "2019-11-14T00:00:00+01:00"
        },
        "tilTidspunkt": {
          "item": true
        "aktoerRef": {
          "item": "89cba575-d106-4732-87ab-45c09ac56874",
          "itemElementName": "UUIDIdentifikator"
        },
        "aktoerTypeKode": "Organisation",
        "aktoerTypeKodeSpecified": true,
        "noteTekst": null
      "gyldighedStatusKode": "Aktiv"
    }
 ],
 "lokalUdvidelse": null
},
"relationListe": {
  "adresser": null,
  "funktionstype": {
    "virkning": {
      "fraTidspunkt": {
        "item": "2019-11-14T00:00:00+01:00"
      } ,
      "tilTidspunkt": {
        "item": true
      },
      "aktoerRef": {
        "item": "89cba575-d106-4732-87ab-45c09ac56874",
        "itemElementName": "UUIDIdentifikator"
```

Digital Identity Aps 24 / 58



```
} ,
    "aktoerTypeKode": "Organisation",
    "aktoerTypeKodeSpecified": true,
    "noteTekst": null
 } ,
  "referenceID": {
    "item": "02e61900-33e0-407f-a2a7-22f70221f003",
    "itemElementName": "UUIDIdentifikator"
 }
},
"opgaver": null,
"tilknyttedeBrugere": [
    "virkning": {
      "fraTidspunkt": {
        "item": "2019-11-14T00:00:00+01:00"
      } ,
      "tilTidspunkt": {
       "item": true
      },
      "aktoerRef": {
        "item": "89cba575-d106-4732-87ab-45c09ac56874",
       "itemElementName": "UUIDIdentifikator"
      "aktoerTypeKode": "Organisation",
      "aktoerTypeKodeSpecified": true,
      "noteTekst": null
    },
    "referenceID": {
      "item": "ab88813b-9571-489a-a9ef-072bd6a5711d",
      "itemElementName": "UUIDIdentifikator"
    }
 }
"tilknyttedeEnheder": [
 {
    "virkning": {
      "fraTidspunkt": {
        "item": "2019-11-14T00:00:00+01:00"
      } ,
      "tilTidspunkt": {
       "item": true
      },
      "aktoerRef": {
        "item": "89cba575-d106-4732-87ab-45c09ac56874",
        "itemElementName": "UUIDIdentifikator"
      },
```

Digital Identity Aps 25 / 58



```
"aktoerTypeKode": "Organisation",
              "aktoerTypeKodeSpecified": true,
              "noteTekst": null
            },
            "referenceID": {
              "item": "58ba4f6c-3d0d-4d36-aa02-fd78a0f14317",
              "itemElementName": "UUIDIdentifikator"
          }
        "tilknyttedeInteressefaellesskaber": null,
        "tilknyttedeOrganisationer": [
            "virkning": {
              "fraTidspunkt": {
                "item": "2019-11-14T00:00:00+01:00"
              },
              "tilTidspunkt": {
               "item": true
              },
              "aktoerRef": {
                "item": "89cba575-d106-4732-87ab-45c09ac56874",
                "itemElementName": "UUIDIdentifikator"
              "aktoerTypeKode": "Organisation",
              "aktoerTypeKodeSpecified": true,
              "noteTekst": null
            },
            "referenceID": {
              "item": "89cba575-d106-4732-87ab-45c09ac56874",
              "itemElementName": "UUIDIdentifikator"
            }
          }
       "tilknyttedePersoner": null,
        "tilknyttedeItSystemer": null,
       "lokalUdvidelse": null
      },
      "noteTekst": null,
      "tidspunkt": "2019-11-19T10:48:08.824+01:00",
      "tidspunktSpecified": true,
      "livscyklusKode": "Importeret",
      "livscyklusKodeSpecified": true
 ]
"standardRetur": {
```

Digital Identity Aps 26 / 58

},



```
"statusKode": "20",
    "fejlbeskedTekst": "OK"
}
}
```

## 4.7 Search OrganisationFunktion

This operation calls the Soeg operation on the SOAP service. Note that searching works by supplying a template, and then the UUID of all objects that match the template is returned.

#### 4.7.1 Request

```
"AttributListe": {
 "Egenskab": null,
 "LokalUdvidelse": null
"TilstandListe": {
  "Gyldighed": null,
 "LokalUdvidelse": null
"RelationListe": {
  "Adresser": null,
 "Funktionstype": {
    "Virkning": null,
    "ReferenceID": {
      "Item": "7368482a-177e-4e04-8574-f558e6f1ef45",
      "ItemElementName": "UUIDIdentifikator"
    }
  },
  "Opgaver": null,
  "TilknyttedeBrugere": null,
  "TilknyttedeEnheder": [
      "Virkning": null,
      "ReferenceID": {
        "Item": "58ba4f6c-3d0d-4d36-aa02-fd78a0f14317",
        "ItemElementName": "UUIDIdentifikator"
      }
    }
 ],
 "TilknyttedeInteressefaellesskaber": null,
  "TilknyttedeOrganisationer": [
      "Virkning": null,
      "ReferenceID": {
        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
```

Digital Identity Aps 27 / 58



```
"ItemElementName": "UUIDIdentifikator"
        }
      }
    ],
    "TilknyttedePersoner": null,
    "TilknyttedeItSystemer": null,
    "LokalUdvidelse": null
  },
  "FoersteResultatReference": null,
  "MaksimalAntalKvantitet": null,
  "SoegRegistrering": null,
  "SoegVirkning": null
}
4.7.2 Response
  "soegResponse1": {
    "soegOutput": {
      "standardRetur": {
        "statusKode": "20",
        "feilbeskedTekst": "OK"
      } ,
      "idListe": [
        "a0de7fa6-bc50-4a12-bfec-4263f028cb6a"
    }
  }
}
```

## 4.8 Create Organisation

This method calls the Importer SOAP operation, which can only be used for new objects. If the object already exists, error code 49 is returned from the SOAP service.

Note that this should only be used for testing/development purposes, as the Organisation object is already created in production.

#### 4.8.1 Request

Digital Identity Aps 28 / 58



```
"TilTidspunkt": null,
        "AktoerRef": {
          "Item": "89cba575-d106-4732-87ab-45c09ac56874",
          "ItemElementName": "UUIDIdentifikator"
        },
        "AktoerTypeKode": "Organisation",
        "AktoerTypeKodeSpecified": true,
        "NoteTekst": null
      },
      "BrugervendtNoegleTekst": "Test Kommune",
      "OrganisationNavn": "Test Kommune"
    }
  ],
  "LokalUdvidelse": null
},
"TilstandListe": {
  "Gyldighed": [
    {
      "Virkning": {
        "FraTidspunkt": {
          "Item": "2020-08-06T00:00:00+02:00"
        },
        "TilTidspunkt": null,
        "AktoerRef": {
          "Item": "89cba575-d106-4732-87ab-45c09ac56874",
          "ItemElementName": "UUIDIdentifikator"
        },
        "AktoerTypeKode": "Organisation",
        "AktoerTypeKodeSpecified": true,
        "NoteTekst": null
      } ,
      "GyldighedStatusKode": "Aktiv"
    }
  ],
  "LokalUdvidelse": null
},
"RelationListe": {
 "Adresser": null,
 "Ansatte": null,
  "Branche": null,
  "Organisationstype": null,
  "Myndighed": null,
  "Myndighedstype": null,
  "Opgaver": null,
  "Overordnet": {
    "Virkning": {
      "FraTidspunkt": {
```

Digital Identity Aps 29 / 58



```
},
              "TilTidspunkt": null,
              "AktoerRef": {
                "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                "ItemElementName": "UUIDIdentifikator"
              "AktoerTypeKode": "Organisation",
              "AktoerTypeKodeSpecified": true,
              "NoteTekst": null
            },
            "ReferenceID": {
              "Item": "89cba575-d106-4732-87ab-45c09ac56874",
              "ItemElementName": "UUIDIdentifikator"
            }
          },
          "Produktionsenhed": null,
          "Skatteenhed": null,
          "Tilhoerer": null,
          "TilknyttedeBrugere": null,
          "TilknyttedeEnheder": null,
          "TilknyttedeFunktioner": null,
          "TilknyttedeInteressefaellesskaber": null,
          "TilknyttedeOrganisationer": null,
          "TilknyttedePersoner": null,
          "TilknyttedeItSystemer": null,
          "Virksomhed": null,
          "Virksomhedstype": null,
          "LokalUdvidelse": null
        },
        "NoteTekst": null,
        "Tidspunkt": "2020-08-06T15:33:49.0957244+02:00",
        "TidspunktSpecified": true,
        "LivscyklusKode": "Opstaaet",
        "LivscyklusKodeSpecified": true,
        "BrugerRef": {
          "Item": "89cba575-d106-4732-87ab-45c09ac56874",
          "ItemElementName": "UUIDIdentifikator"
        }
   ],
   "UUIDIdentifikator": "bb49bb3f-a96a-4398-b5a1-f1a507dae0c1"
  }
}
4.8.2 Response
```

"Item": "2020-08-06T00:00:00+02:00"

Digital Identity Aps 30 / 58



```
"importerResponsel": {
    "importOutput": {
        "standardRetur": {
            "statusKode": "20",
            "fejlbeskedTekst": "OK"
        }
    }
}
```

## 4.9 Update Organisation

This calls the Ret operation on the SOAP service and can only be used on existing objects. It returns error code 44 if the object does not exist.

#### 4.9.1 Request

```
"AttributListe": {
  "Egenskab": [
    {
      "Virkning": {
        "FraTidspunkt": {
          "Item": true
        },
        "TilTidspunkt": {
          "Item": true
        } ,
        "AktoerRef": {
          "Item": "2cc5ef32-69a2-4694-95dd-c74ed9ebf111",
          "ItemElementName": "UUIDIdentifikator"
        "AktoerTypeKode": "Organisation",
        "AktoerTypeKodeSpecified": true,
        "NoteTekst": null
      },
      "BrugervendtNoegleTekst": "Syddjurs Kommune",
      "OrganisationNavn": "Syddjurs Kommune"
    }
  ],
  "LokalUdvidelse": null
},
"TilstandListe": {
  "Gyldighed": [
      "Virkning": {
        "FraTidspunkt": {
          "Item": "2007-01-01T00:00:00+01:00"
        },
```



```
"TilTidspunkt": {
          "Item": true
        } ,
        "AktoerRef": {
          "Item": "2cc5ef32-69a2-4694-95dd-c74ed9ebf111",
          "ItemElementName": "UUIDIdentifikator"
        "AktoerTypeKode": "Organisation",
        "AktoerTypeKodeSpecified": true,
        "NoteTekst": null
      },
      "GyldighedStatusKode": "Aktiv"
 ],
 "LokalUdvidelse": null
},
"RelationListe": {
 "Adresser": null,
 "Ansatte": null,
 "Branche": null,
  "Organisationstype": null,
 "Myndighed": {
    "Virkning": {
      "FraTidspunkt": {
        "Item": true
      },
      "TilTidspunkt": {
        "Item": true
      } ,
      "AktoerRef": {
        "Item": "2cc5ef32-69a2-4694-95dd-c74ed9ebf111",
        "ItemElementName": "UUIDIdentifikator"
      },
      "AktoerTypeKode": "Organisation",
      "AktoerTypeKodeSpecified": true,
      "NoteTekst": null
    },
    "ReferenceID": {
      "Item": "5bd096bd-ef71-4e76-ad60-14b4202779a7",
      "ItemElementName": "UUIDIdentifikator"
    }
  },
  "Myndighedstype": null,
  "Opgaver": null,
  "Overordnet": {
    "Virkning": {
      "FraTidspunkt": {
```

Digital Identity Aps 32 / 58



```
"Item": "2020-08-06T00:00:00+02:00"
    },
    "TilTidspunkt": null,
    "AktoerRef": {
      "Item": "89cba575-d106-4732-87ab-45c09ac56874",
      "ItemElementName": "UUIDIdentifikator"
    },
    "AktoerTypeKode": "Organisation",
    "AktoerTypeKodeSpecified": true,
    "NoteTekst": null
  },
  "ReferenceID": {
    "Item": "89cba575-d106-4732-87ab-45c09ac56874",
    "ItemElementName": "UUIDIdentifikator"
  }
},
"Produktionsenhed": null,
"Skatteenhed": null,
"Tilhoerer": null,
"TilknyttedeBrugere": null,
"TilknyttedeEnheder": null,
"TilknyttedeFunktioner": null,
"TilknyttedeInteressefaellesskaber": null,
"TilknyttedeOrganisationer": null,
"TilknyttedePersoner": null,
"TilknyttedeItSystemer": null,
"Virksomhed": {
  "Virkning": {
    "FraTidspunkt": {
      "Item": true
    },
    "TilTidspunkt": {
      "Item": true
    } ,
    "AktoerRef": {
      "Item": "2cc5ef32-69a2-4694-95dd-c74ed9ebf111",
      "ItemElementName": "UUIDIdentifikator"
    "AktoerTypeKode": "Organisation",
    "AktoerTypeKodeSpecified": true,
    "NoteTekst": null
  },
  "ReferenceID": {
    "Item": "4b232431-e2eb-4438-8ab0-e7b3f7e00175",
    "ItemElementName": "UUIDIdentifikator"
  }
},
```

Digital Identity Aps 33 / 58



#### 4.10 Read Organisation

This operation calls the Laes operation on the SOAP service and returns error code 44 if the object does not exist.

#### 4.10.1 Request

No payload - read operations just take the UUID as a path parameter in the URL

#### 4.10.2 Response

```
"laesResponse1": {
 "laesOutput": {
    "filtreretOejebliksbillede": {
      "objektType": {
        "uuidIdentifikator": "89cba575-d106-4732-87ab-45c09ac56874"
      } ,
      "registrering": [
          "attributListe": {
            "egenskab": [
                "virkning": {
                  "fraTidspunkt": {
                    "item": true
                  },
                  "tilTidspunkt": {
                    "item": true
                  },
                  "aktoerRef": {
                    "item": "2cc5ef32-69a2-4694-95dd-c74ed9ebf111",
```

Digital Identity Aps 34 / 58



```
"itemElementName": "UUIDIdentifikator"
        },
        "aktoerTypeKode": "Organisation",
        "aktoerTypeKodeSpecified": true,
        "noteTekst": null
      },
      "brugervendtNoegleTekst": "abc1234",
      "organisationNavn": "Kommunenavn"
    }
  ],
 "lokalUdvidelse": null
},
"tilstandListe": {
  "gyldighed": [
    {
      "virkning": {
        "fraTidspunkt": {
          "item": "2007-01-01T00:00:00+01:00"
        },
        "tilTidspunkt": {
          "item": true
        },
        "aktoerRef": {
          "item": "2cc5ef32-69a2-4694-95dd-c74ed9ebf111",
          "itemElementName": "UUIDIdentifikator"
        },
        "aktoerTypeKode": "Organisation",
        "aktoerTypeKodeSpecified": true,
        "noteTekst": null
      },
      "gyldighedStatusKode": "Aktiv"
    }
 ],
 "lokalUdvidelse": null
},
"relationListe": {
  "adresser": null,
  "ansatte": null,
  "branche": null,
  "organisationstype": null,
  "myndighed": {
    "virkning": {
      "fraTidspunkt": {
        "item": true
      } ,
      "tilTidspunkt": {
        "item": true
```

Digital Identity Aps 35 / 58



```
} ,
    "aktoerRef": {
      "item": "2cc5ef32-69a2-4694-95dd-c74ed9ebf111",
     "itemElementName": "UUIDIdentifikator"
    } ,
    "aktoerTypeKode": "Organisation",
    "aktoerTypeKodeSpecified": true,
    "noteTekst": null
  },
  "referenceID": {
    "item": "5bd096bd-ef71-4e76-ad60-14b4202779a7",
    "itemElementName": "UUIDIdentifikator"
},
"myndighedstype": null,
"opgaver": null,
"overordnet": {
  "virkning": {
    "fraTidspunkt": {
     "item": "2020-08-05T00:00:00+02:00"
    "tilTidspunkt": {
     "item": true
    },
    "aktoerRef": {
      "item": "89cba575-d106-4732-87ab-45c09ac56874",
      "itemElementName": "UUIDIdentifikator"
    },
    "aktoerTypeKode": "Organisation",
    "aktoerTypeKodeSpecified": true,
    "noteTekst": null
  },
  "referenceID": {
    "item": "77ac1f09-a94e-4735-a030-93d11ded7f60",
    "itemElementName": "UUIDIdentifikator"
  }
},
"produktionsenhed": null,
"skatteenhed": null,
"tilhoerer": null,
"tilknyttedeBrugere": null,
"tilknyttedeEnheder": null,
"tilknyttedeFunktioner": null,
"tilknyttedeInteressefaellesskaber": null,
"tilknyttedeOrganisationer": null,
"tilknyttedePersoner": null,
"tilknyttedeItSystemer": null,
```

Digital Identity Aps 36 / 58



```
"virksomhed": {
                "virkning": {
                  "fraTidspunkt": {
                    "item": true
                  } ,
                  "tilTidspunkt": {
                    "item": true
                  "aktoerRef": {
                    "item": "2cc5ef32-69a2-4694-95dd-c74ed9ebf111",
                    "itemElementName": "UUIDIdentifikator"
                  },
                  "aktoerTypeKode": "Organisation",
                  "aktoerTypeKodeSpecified": true,
                  "noteTekst": null
                },
                "referenceID": {
                  "item": "4b232431-e2eb-4438-8ab0-e7b3f7e00175",
                  "itemElementName": "UUIDIdentifikator"
                }
              "virksomhedstype": null,
              "lokalUdvidelse": null
            },
            "noteTekst": null,
            "tidspunkt": "2020-08-05T08:29:28.352+02:00",
            "tidspunktSpecified": true,
            "livscyklusKode": "Importeret",
            "livscyklusKodeSpecified": true
        ]
      },
      "standardRetur": {
        "statusKode": "20",
        "fejlbeskedTekst": "OK"
    }
  }
}
```

#### 4.11 Create Adresse

This method calls the Importer SOAP operation, which can only be used for new objects. If the object already exists, error code 49 is returned from the SOAP service.

```
4.11.1 Request
{
    "Adresse": {
```

Digital Identity Aps 37 / 58



```
"Registrering": [
            {
                "AttributListe": [
                    {
                        "Virkning": {
                            "FraTidspunkt": {
                                "Item": "2020-08-06T00:00:00+02:00"
                            } ,
                            "TilTidspunkt": null,
                            "AktoerRef": {
                                "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                                "ItemElementName": "UUIDIdentifikator"
                            },
                            "AktoerTypeKode": "Organisation",
                            "AktoerTypeKodeSpecified": true,
                            "NoteTekst": null
                        },
                        "BrugervendtNoegleTekst": "73516c54",
                        "AdresseTekst": "PhoneValue"
                    }
                ],
                "TilstandListe": {},
                "RelationListe": {},
                "NoteTekst": null,
                "Tidspunkt": "2020-08-06T12:02:38.2737102+02:00",
                "TidspunktSpecified": true,
                "LivscyklusKode": "Importeret",
                "LivscyklusKodeSpecified": true,
                "BrugerRef": {
                    "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "ItemElementName": "UUIDIdentifikator"
                }
            }
        "UUIDIdentifikator": "b44dc620-48d7-46c8-b9f7-273d77f74140"
4.11.2 Response
  "importerResponse1": {
   "importOutput": {
      "standardRetur": {
       "statusKode": "20",
       "fejlbeskedTekst": "OK"
    }
```

Digital Identity Aps 38 / 58



}

}

# 4.12 Update Adresse

This calls the Ret operation on the SOAP service and can only be used on existing objects. It returns error code 44 if the object does not exist.

```
4.12.1 Request
{
    "AttributListe": [
        {
            "Virkning": {
                "FraTidspunkt": {
                    "Item": "2019-11-25T00:00:00+01:00"
                "TilTidspunkt": null,
                "AktoerRef": {
                    "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "ItemElementName": "UUIDIdentifikator"
                },
                "AktoerTypeKode": "Organisation",
                "AktoerTypeKodeSpecified": true,
                "NoteTekst": null
            },
            "BrugervendtNoegleTekst": "f5939b91",
            "AdresseTekst": "70707071"
        }
    ],
    "TilstandListe": {},
    "RelationListe": {},
    "UUIDIdentifikator": "c71ee20c-1c83-4b5e-b49f-f8ae6a3aac1e",
    "NoteTekst": null
}
4.12.2 Response
  "retResponse1": {
    "retOutput": {
      "standardRetur": {
        "statusKode": "20",
        "fejlbeskedTekst": "OK"
    }
  }
```

Digital Identity Aps 39 / 58



## 4.13 Read Adresse

This operation calls the Laes operation on the SOAP service and returns error code 44 if the object does not exist.

#### 4.13.1 Request

No payload - read operations just take the UUID as a path parameter in the URL

#### 4.13.2 Response

```
"laesResponse1": {
 "laesOutput": {
    "filtreretOejebliksbillede": {
      "objektType": {
        "uuidIdentifikator": "c71ee20c-1c83-4b5e-b49f-f8ae6a3aac1e"
     },
      "registrering": [
          "attributListe": [
              "virkning": {
                "fraTidspunkt": {
                  "item": "2019-11-25T00:00:00+01:00"
                },
                "tilTidspunkt": {
                  "item": true
                },
                "aktoerRef": {
                  "item": "89cba575-d106-4732-87ab-45c09ac56874",
                  "itemElementName": "UUIDIdentifikator"
                },
                "aktoerTypeKode": "Organisation",
                "aktoerTypeKodeSpecified": true,
                "noteTekst": null
              },
              "brugervendtNoegleTekst": "f5939b91",
              "adresseTekst": "70707070"
            }
          ],
          "tilstandListe": {},
          "relationListe": {},
          "noteTekst": null,
          "tidspunkt": "2019-11-25T11:05:47+01:00",
          "tidspunktSpecified": true,
          "livscyklusKode": "Importeret",
          "livscyklusKodeSpecified": true
```

Digital Identity Aps 40 / 58



### 4.14 Create Person

This method calls the Importer SOAP operation, which can only be used for new objects. If the object already exists, error code 49 is returned from the SOAP service.

```
4.14.1 Request
```

```
{
   "Person": {
        "Registrering": [
            {
                "AttributListe": [
                    {
                        "Virkning": {
                            "FraTidspunkt": {
                                 "Item": "2020-08-06T00:00:00+02:00"
                            },
                            "TilTidspunkt": null,
                            "AktoerRef": {
                                 "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                                 "ItemElementName": "UUIDIdentifikator"
                            },
                            "AktoerTypeKode": "Organisation",
                            "AktoerTypeKodeSpecified": true,
                            "NoteTekst": null
                        },
                        "BrugervendtNoegleTekst": "54ab0475",
                        "CPRNummerTekst": "000000000",
                        "NavnTekst": "PersonNameValue"
                    }
                ],
                "TilstandListe": {},
                "RelationListe": {},
                "NoteTekst": null,
                "Tidspunkt": "2020-08-06T12:02:38.2737102+02:00",
                "TidspunktSpecified": true,
                "LivscyklusKode": "Importeret",
                "LivscyklusKodeSpecified": true,
                "BrugerRef": {
```

Digital Identity Aps 41 / 58



```
"Item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "ItemElementName": "UUIDIdentifikator"
                }
            }
        ],
        "UUIDIdentifikator": "0e480b28-2933-4187-b5a9-0fbb6fcba2fc"
    }
}
4.14.2 Response
  "importerResponse1": {
    "importOutput": {
      "standardRetur": {
        "statusKode": "20",
        "fejlbeskedTekst": "OK"
    }
  }
```

# 4.15 Update Person

This calls the Ret operation on the SOAP service and can only be used on existing objects. It returns error code 44 if the object does not exist.

## 4.15.1 Request

```
{
    "AttributListe": [
        {
            "Virkning": {
                "FraTidspunkt": {
                    "Item": "2019-11-25T00:00:00+01:00"
                },
                "TilTidspunkt": null,
                "AktoerRef": {
                    "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "ItemElementName": "UUIDIdentifikator"
                "AktoerTypeKode": "Organisation",
                "AktoerTypeKodeSpecified": true,
                "NoteTekst": null
            } ,
            "BrugervendtNoegleTekst": "981533ba",
            "CPRNummerTekst": "0101701213",
            "NavnTekst": "Henrik Bojsen2"
   ],
```

Digital Identity Aps 42 / 58



### 4.16 Read Person

This operation calls the Laes operation on the SOAP service and returns error code 44 if the object does not exist.

#### 4.16.1 Request

No payload - read operations just take the UUID as a path parameter in the URL

## 4.16.2 Response

```
"laesResponse1": {
 "laesOutput": {
    "filtreretOejebliksbillede": {
      "objektType": {
        "uuidIdentifikator": "91ee0b2b-b8d0-4275-bb4c-3711d8b8c4b2"
      },
      "registrering": [
          "attributListe": [
            {
              "virkning": {
                "fraTidspunkt": {
                  "item": "2019-11-25T00:00:00+01:00"
                },
                "tilTidspunkt": {
                  "item": true
                },
                "aktoerRef": {
                  "item": "89cba575-d106-4732-87ab-45c09ac56874",
                  "itemElementName": "UUIDIdentifikator"
                },
```

Digital Identity Aps 43 / 58



```
"aktoerTypeKode": "Organisation",
              "aktoerTypeKodeSpecified": true,
              "noteTekst": null
            "brugervendtNoegleTekst": "981533ba",
            "cprNummerTekst": "0101701213",
            "navnTekst": "Henrik Bojsen"
          }
        ],
        "tilstandListe": {},
        "relationListe": {},
        "noteTekst": null,
        "tidspunkt": "2020-08-06T11:56:59.352+02:00",
        "tidspunktSpecified": true,
        "livscyklusKode": "Importeret",
        "livscyklusKodeSpecified": true
       }
    ]
  } ,
  "standardRetur": {
    "statusKode": "20",
    "fejlbeskedTekst": "OK"
}
```

# 4.17 Create Bruger

This method calls the Importer SOAP operation, which can only be used for new objects. If the object already exists, error code 49 is returned from the SOAP service.

# 4.17.1 Request

Digital Identity Aps 44 / 58



```
"ItemElementName": "UUIDIdentifikator"
                                 },
                                 "AktoerTypeKode": "Organisation",
                                 "AktoerTypeKodeSpecified": true,
                                 "NoteTekst": null
                             } ,
                             "BrugervendtNoegleTekst": "54625c00",
                             "BrugerNavn": "UserIdValue",
                             "BrugerTypeTekst": null
                    ],
                    "LokalUdvidelse": null
                },
                "TilstandListe": {
                    "Gyldighed": [
                             "Virkning": {
                                 "FraTidspunkt": {
                                     "Item": "2020-08-06T00:00:00+02:00"
                                 },
                                 "TilTidspunkt": null,
                                 "AktoerRef": {
                                     "Item": "89cba575-d106-4732-87ab-
45c09ac56874",
                                     "ItemElementName": "UUIDIdentifikator"
                                 },
                                 "AktoerTypeKode": "Organisation",
                                 "AktoerTypeKodeSpecified": true,
                                 "NoteTekst": null
                            },
                             "GyldighedStatusKode": "Aktiv"
                        }
                    ],
                    "LokalUdvidelse": null
                "RelationListe": {
                    "Adresser": [
                        {
                             "Rolle": {
                                 "Item": "5ef6be2d-59f4-4652-a680-585929924ba9",
                                 "ItemElementName": "UUIDIdentifikator"
                             } ,
                             "Type": {
                                 "Item": "71a08d28-3af7-4bb4-9964-bc2b76b93d64",
                                 "ItemElementName": "UUIDIdentifikator"
                             "Indeks": "1",
```

Digital Identity Aps 45 / 58

```
"Virkning": {
                                "FraTidspunkt": {
                                     "Item": "2020-08-06T00:00:00+02:00"
                                },
                                "TilTidspunkt": null,
                                "AktoerRef": {
                                    "Item": "89cba575-d106-4732-87ab-
45c09ac56874",
                                    "ItemElementName": "UUIDIdentifikator"
                                },
                                "AktoerTypeKode": "Organisation",
                                "AktoerTypeKodeSpecified": true,
                                "NoteTekst": null
                            },
                            "ReferenceID": {
                                "Item": "b44dc620-48d7-46c8-b9f7-273d77f74140",
                                "ItemElementName": "UUIDIdentifikator"
                            }
                        } ,
                            "Rolle": {
                                "Item": "5d13e891-162a-456b-abf2-fd9b864df96d",
                                "ItemElementName": "UUIDIdentifikator"
                            },
                            "Type": {
                                "Item": "71a08d28-3af7-4bb4-9964-bc2b76b93d64",
                                "ItemElementName": "UUIDIdentifikator"
                            },
                            "Indeks": "2",
                            "Virkning": {
                                "FraTidspunkt": {
                                    "Item": "2020-08-06T00:00:00+02:00"
                                },
                                "TilTidspunkt": null,
                                "AktoerRef": {
                                    "Item": "89cba575-d106-4732-87ab-
45c09ac56874",
                                    "ItemElementName": "UUIDIdentifikator"
                                },
                                "AktoerTypeKode": "Organisation",
                                "AktoerTypeKodeSpecified": true,
                                "NoteTekst": null
                            },
                            "ReferenceID": {
                                "Item": "72380f2e-e13d-4281-8a2c-3004dc7b1daf",
                                "ItemElementName": "UUIDIdentifikator"
                            }
```

Digital Identity Aps 46 / 58

```
},
                            "Rolle": {
                                 "Item": "ad04ac80-e24a-45a5-9dd9-8537a916ac74",
                                 "ItemElementName": "UUIDIdentifikator"
                            },
                            "Type": {
                                 "Item": "71a08d28-3af7-4bb4-9964-bc2b76b93d64",
                                 "ItemElementName": "UUIDIdentifikator"
                            },
                            "Indeks": "3",
                            "Virkning": {
                                 "FraTidspunkt": {
                                     "Item": "2020-08-06T00:00:00+02:00"
                                 },
                                 "TilTidspunkt": null,
                                 "AktoerRef": {
                                     "Item": "89cba575-d106-4732-87ab-
45c09ac56874",
                                     "ItemElementName": "UUIDIdentifikator"
                                },
                                 "AktoerTypeKode": "Organisation",
                                 "AktoerTypeKodeSpecified": true,
                                 "NoteTekst": null
                            },
                             "ReferenceID": {
                                 "Item": "2fae13d3-9577-4e56-9e15-828b52cb117c",
                                 "ItemElementName": "UUIDIdentifikator"
                            }
                        }
                    ],
                    "BrugerTyper": null,
                    "Opgaver": null,
                    "Tilhoerer": {
                        "Virkning": {
                            "FraTidspunkt": {
                                 "Item": "2020-08-06T00:00:00+02:00"
                            },
                            "TilTidspunkt": null,
                            "AktoerRef": {
                                 "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                                "ItemElementName": "UUIDIdentifikator"
                            } ,
                            "AktoerTypeKode": "Organisation",
                            "AktoerTypeKodeSpecified": true,
                            "NoteTekst": null
                        },
```

Digital Identity Aps 47 / 58



```
"ReferenceID": {
                            "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                            "ItemElementName": "UUIDIdentifikator"
                        }
                    },
                    "TilknyttedeEnheder": null,
                    "TilknyttedeFunktioner": null,
                    "TilknyttedeInteressefaellesskaber": null,
                    "TilknyttedeOrganisationer": null,
                    "TilknyttedePersoner": [
                        {
                            "Virkning": {
                                 "FraTidspunkt": {
                                     "Item": "2020-08-06T00:00:00+02:00"
                                 } ,
                                 "TilTidspunkt": null,
                                 "AktoerRef": {
                                     "Item": "89cba575-d106-4732-87ab-
45c09ac56874",
                                     "ItemElementName": "UUIDIdentifikator"
                                 "AktoerTypeKode": "Organisation",
                                 "AktoerTypeKodeSpecified": true,
                                 "NoteTekst": null
                            },
                             "ReferenceID": {
                                 "Item": "0e480b28-2933-4187-b5a9-0fbb6fcba2fc",
                                 "ItemElementName": "UUIDIdentifikator"
                            }
                        }
                    "TilknyttedeItSystemer": null,
                    "LokalUdvidelse": null
                },
                "NoteTekst": null,
                "Tidspunkt": "2020-08-06T12:02:38.2737102+02:00",
                "TidspunktSpecified": true,
                "LivscyklusKode": "Importeret",
                "LivscyklusKodeSpecified": true,
                "BrugerRef": {
                    "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "ItemElementName": "UUIDIdentifikator"
                }
            }
        ],
        "UUIDIdentifikator": "8947464f-e4df-4edd-a67b-269f63d5622b"
    }
```

Digital Identity Aps 48 / 58



# 4.18 Update Bruger

This calls the Ret operation on the SOAP service and can only be used on existing objects. It returns error code 44 if the object does not exist.

```
4.18.1 Request
```

```
{
    "AttributListe": {
        "Egenskab": [
            {
                "Virkning": {
                    "FraTidspunkt": {
                        "Item": "2019-11-25T00:00:00+01:00"
                    },
                    "TilTidspunkt": null,
                    "AktoerRef": {
                        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                        "ItemElementName": "UUIDIdentifikator"
                    "AktoerTypeKode": "Organisation",
                    "AktoerTypeKodeSpecified": true,
                    "NoteTekst": null
                "BrugervendtNoegleTekst": "sdfsadf",
                "BrugerNavn": "bsg",
                "BrugerTypeTekst": null
            }
        ],
        "LokalUdvidelse": null
    },
    "TilstandListe": {
        "Gyldighed": [
            {
                "Virkning": {
```

Digital Identity Aps 49 / 58



```
"FraTidspunkt": {
                    "Item": "2019-11-09T00:00:00+01:00"
                } ,
                "TilTidspunkt": {
                    "Item": true
                },
                "AktoerRef": {
                    "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "ItemElementName": "UUIDIdentifikator"
                "AktoerTypeKode": "Organisation",
                "AktoerTypeKodeSpecified": true,
                "NoteTekst": null
            },
            "GyldighedStatusKode": "Aktiv"
        }
   ],
    "LokalUdvidelse": null
},
"RelationListe": {
    "Adresser": [
        {
            "Rolle": {
                "Item": "5ef6be2d-59f4-4652-a680-585929924ba9",
                "ItemElementName": "UUIDIdentifikator"
            },
            "Type": {
                "Item": "71a08d28-3af7-4bb4-9964-bc2b76b93d64",
                "ItemElementName": "UUIDIdentifikator"
            },
            "Indeks": "4",
            "Virkning": {
                "FraTidspunkt": {
                    "Item": "2019-11-25T00:00:00+01:00"
                "TilTidspunkt": {
                    "Item": true
                },
                "AktoerRef": {
                    "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "ItemElementName": "UUIDIdentifikator"
                },
                "AktoerTypeKode": "Organisation",
                "AktoerTypeKodeSpecified": true,
                "NoteTekst": null
            },
            "ReferenceID": {
```

Digital Identity Aps 50 / 58



```
"Item": "c71ee20c-1c83-4b5e-b49f-f8ae6a3aac1e",
        "ItemElementName": "UUIDIdentifikator"
    }
},
{
    "Rolle": {
        "Item": "5d13e891-162a-456b-abf2-fd9b864df96d",
        "ItemElementName": "UUIDIdentifikator"
    },
    "Type": {
        "Item": "71a08d28-3af7-4bb4-9964-bc2b76b93d64",
        "ItemElementName": "UUIDIdentifikator"
    },
    "Indeks": "5",
    "Virkning": {
        "FraTidspunkt": {
            "Item": "2019-11-25T00:00:00+01:00"
        },
        "TilTidspunkt": {
            "Item": true
        },
        "AktoerRef": {
            "Item": "89cba575-d106-4732-87ab-45c09ac56874",
            "ItemElementName": "UUIDIdentifikator"
        },
        "AktoerTypeKode": "Organisation",
        "AktoerTypeKodeSpecified": true,
        "NoteTekst": null
    },
    "ReferenceID": {
        "Item": "c4625f65-a50b-4841-a0d9-f30653ff48ef",
        "ItemElementName": "UUIDIdentifikator"
    }
},
    "Rolle": {
        "Item": "ad04ac80-e24a-45a5-9dd9-8537a916ac74",
        "ItemElementName": "UUIDIdentifikator"
    },
    "Type": {
        "Item": "71a08d28-3af7-4bb4-9964-bc2b76b93d64",
        "ItemElementName": "UUIDIdentifikator"
    },
    "Indeks": "6",
    "Virkning": {
        "FraTidspunkt": {
            "Item": "2019-11-25T00:00:00+01:00"
```

Digital Identity Aps 51 / 58



```
} ,
            "TilTidspunkt": {
                "Item": true
            } ,
            "AktoerRef": {
                "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                "ItemElementName": "UUIDIdentifikator"
            },
            "AktoerTypeKode": "Organisation",
            "AktoerTypeKodeSpecified": true,
            "NoteTekst": null
        },
        "ReferenceID": {
            "Item": "652ddcb0-b747-40cb-a5a7-42e1c4e8ab81",
            "ItemElementName": "UUIDIdentifikator"
        }
    }
],
"BrugerTyper": null,
"Opgaver": null,
"Tilhoerer": {
    "Virkning": {
        "FraTidspunkt": {
            "Item": "2019-11-09T00:00:00+01:00"
        },
        "TilTidspunkt": {
            "Item": true
        },
        "AktoerRef": {
            "Item": "89cba575-d106-4732-87ab-45c09ac56874",
            "ItemElementName": "UUIDIdentifikator"
        "AktoerTypeKode": "Organisation",
        "AktoerTypeKodeSpecified": true,
        "NoteTekst": null
    },
    "ReferenceID": {
        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
        "ItemElementName": "UUIDIdentifikator"
    }
},
"TilknyttedeEnheder": null,
"TilknyttedeFunktioner": null,
"TilknyttedeInteressefaellesskaber": null,
"TilknyttedeOrganisationer": null,
"TilknyttedePersoner": [
   {
```

Digital Identity Aps 52 / 58



```
"Virkning": {
                    "FraTidspunkt": {
                        "Item": "2019-11-09T00:00:00+01:00"
                    "TilTidspunkt": {
                        "Item": true
                    },
                    "AktoerRef": {
                        "Item": "89cba575-d106-4732-87ab-45c09ac56874",
                        "ItemElementName": "UUIDIdentifikator"
                    },
                    "AktoerTypeKode": "Organisation",
                    "AktoerTypeKodeSpecified": true,
                    "NoteTekst": null
                },
                "ReferenceID": {
                    "Item": "91ee0b2b-b8d0-4275-bb4c-3711d8b8c4b2",
                    "ItemElementName": "UUIDIdentifikator"
                }
            }
        "TilknyttedeItSystemer": null,
        "LokalUdvidelse": null
    "UUIDIdentifikator": "ab88813b-9571-489a-a9ef-072bd6a5711d",
    "NoteTekst": null
4.18.2 Response
  "retResponse1": {
    "retOutput": {
      "standardRetur": {
        "statusKode": "20",
        "fejlbeskedTekst": "OK"
    }
  }
```

# 4.19 Read Bruger

This operation calls the Laes operation on the SOAP service and returns error code 44 if the object does not exist.

### 4.19.1 Request

No payload - read operations just take the UUID as a path parameter in the URL



### 4.19.2 Response

```
"laesResponse1": {
 "laesOutput": {
    "filtreretOejebliksbillede": {
      "objektType": {
        "uuidIdentifikator": "ab88813b-9571-489a-a9ef-072bd6a5711d"
      } ,
      "registrering": [
          "attributListe": {
            "egenskab": [
              {
                "virkning": {
                  "fraTidspunkt": {
                    "item": "2019-11-19T00:00:00+01:00"
                  "tilTidspunkt": {
                    "item": true
                  },
                  "aktoerRef": {
                    "item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "itemElementName": "UUIDIdentifikator"
                  },
                  "aktoerTypeKode": "Organisation",
                  "aktoerTypeKodeSpecified": true,
                  "noteTekst": null
                "brugervendtNoegleTekst": "shortKey",
                "brugerNavn": "bsg",
                "brugerTypeTekst": null
              }
            1,
            "lokalUdvidelse": null
          },
          "tilstandListe": {
            "gyldighed": [
              {
                "virkning": {
                  "fraTidspunkt": {
                    "item": "2019-11-09T00:00:00+01:00"
                  } ,
                  "tilTidspunkt": {
                    "item": true
                  },
                  "aktoerRef": {
```

Digital Identity Aps 54 / 58



```
"item": "89cba575-d106-4732-87ab-45c09ac56874",
          "itemElementName": "UUIDIdentifikator"
        },
        "aktoerTypeKode": "Organisation",
        "aktoerTypeKodeSpecified": true,
        "noteTekst": null
      "gyldighedStatusKode": "Aktiv"
    }
 "lokalUdvidelse": null
},
"relationListe": {
  "adresser": [
    {
      "rolle": {
        "item": "5ef6be2d-59f4-4652-a680-585929924ba9",
        "itemElementName": "UUIDIdentifikator"
      },
      "type": {
        "item": "71a08d28-3af7-4bb4-9964-bc2b76b93d64",
        "itemElementName": "UUIDIdentifikator"
      },
      "indeks": "4",
      "virkning": {
        "fraTidspunkt": {
          "item": "2019-11-25T00:00:00+01:00"
        },
        "tilTidspunkt": {
         "item": true
        } ,
        "aktoerRef": {
          "item": "89cba575-d106-4732-87ab-45c09ac56874",
         "itemElementName": "UUIDIdentifikator"
        } ,
        "aktoerTypeKode": "Organisation",
        "aktoerTypeKodeSpecified": true,
        "noteTekst": null
      },
      "referenceID": {
        "item": "c71ee20c-1c83-4b5e-b49f-f8ae6a3aac1e",
        "itemElementName": "UUIDIdentifikator"
      }
    },
    {
      "rolle": {
        "item": "5d13e891-162a-456b-abf2-fd9b864df96d",
```

Digital Identity Aps 55 / 58



```
"itemElementName": "UUIDIdentifikator"
  },
  "type": {
    "item": "71a08d28-3af7-4bb4-9964-bc2b76b93d64",
    "itemElementName": "UUIDIdentifikator"
  },
  "indeks": "5",
  "virkning": {
    "fraTidspunkt": {
      "item": "2019-11-25T00:00:00+01:00"
    },
    "tilTidspunkt": {
     "item": true
    } ,
    "aktoerRef": {
      "item": "89cba575-d106-4732-87ab-45c09ac56874",
      "itemElementName": "UUIDIdentifikator"
    },
    "aktoerTypeKode": "Organisation",
    "aktoerTypeKodeSpecified": true,
    "noteTekst": null
  },
  "referenceID": {
    "item": "c4625f65-a50b-4841-a0d9-f30653ff48ef",
    "itemElementName": "UUIDIdentifikator"
 }
} ,
  "rolle": {
   "item": "ad04ac80-e24a-45a5-9dd9-8537a916ac74",
   "itemElementName": "UUIDIdentifikator"
  },
  "type": {
    "item": "71a08d28-3af7-4bb4-9964-bc2b76b93d64",
    "itemElementName": "UUIDIdentifikator"
  },
  "indeks": "6",
  "virkning": {
    "fraTidspunkt": {
      "item": "2019-11-25T00:00:00+01:00"
    },
    "tilTidspunkt": {
      "item": true
    } ,
    "aktoerRef": {
      "item": "89cba575-d106-4732-87ab-45c09ac56874",
      "itemElementName": "UUIDIdentifikator"
```

Digital Identity Aps 56 / 58



```
"aktoerTypeKode": "Organisation",
      "aktoerTypeKodeSpecified": true,
      "noteTekst": null
    },
    "referenceID": {
      "item": "652ddcb0-b747-40cb-a5a7-42e1c4e8ab81",
      "itemElementName": "UUIDIdentifikator"
],
"brugerTyper": null,
"opgaver": null,
"tilhoerer": {
  "virkning": {
    "fraTidspunkt": {
     "item": "2019-11-09T00:00:00+01:00"
    "tilTidspunkt": {
     "item": true
    "aktoerRef": {
      "item": "89cba575-d106-4732-87ab-45c09ac56874",
      "itemElementName": "UUIDIdentifikator"
    "aktoerTypeKode": "Organisation",
    "aktoerTypeKodeSpecified": true,
    "noteTekst": null
 },
  "referenceID": {
    "item": "89cba575-d106-4732-87ab-45c09ac56874",
    "itemElementName": "UUIDIdentifikator"
 }
},
"tilknyttedeEnheder": null,
"tilknyttedeFunktioner": null,
"tilknyttedeInteressefaellesskaber": null,
"tilknyttedeOrganisationer": null,
"tilknyttedePersoner": [
  {
    "virkning": {
      "fraTidspunkt": {
        "item": "2019-11-09T00:00:00+01:00"
      },
      "tilTidspunkt": {
       "item": true
      },
```

Digital Identity Aps 57 / 58



```
"aktoerRef": {
                    "item": "89cba575-d106-4732-87ab-45c09ac56874",
                    "itemElementName": "UUIDIdentifikator"
                  },
                  "aktoerTypeKode": "Organisation",
                  "aktoerTypeKodeSpecified": true,
                  "noteTekst": null
                },
                "referenceID": {
                  "item": "91ee0b2b-b8d0-4275-bb4c-3711d8b8c4b2",
                  "itemElementName": "UUIDIdentifikator"
              }
            ],
            "tilknyttedeItSystemer": null,
            "lokalUdvidelse": null
          },
          "noteTekst": null,
          "tidspunkt": "2019-11-25T11:06:11.028+01:00",
          "tidspunktSpecified": true,
          "livscyklusKode": "Importeret",
          "livscyklusKodeSpecified": true
      ]
    },
    "standardRetur": {
     "statusKode": "20",
      "fejlbeskedTekst": "OK"
    }
 }
}
```

Digital Identity Aps 58 / 58