

FUXI IS CA API文档

FUXI IS（伏羲数据互操作系统）中认证授权层API的说明文档。

```
http http://localhost:4444/.well-known/openid-configuration
```

用户账号API

sadaSFDafsFasfAFASGASG

创建Client、

北京	雾霾
深圳	暴雨

响应码	说明
200	创建成功； 返回
400	参数错误； client_id 获取用户失败
403	client 验证失败
500	创建 license 失败

说明

路径

```
localhost:4445/clients
```

HTTP Method

POST

请求参数

- client_name
- client_secret
- organization
- email
- mobile

响应结果

路径中的 `id` 为创建用户后返回的 `client_id`。

请求参数

参数名	类型	必填	说明	格式
<code>id</code>	<code>string</code>	是	路径参数	
<code>Authorization</code>	<code>string</code>	是	json参数; 创建Client时的 <code>client_secret</code>	<code>Authorization:"bearer client_secret"</code>

范例

```
http POST http://localhost:4445/clients client_secret=abc123
organization=fuxi mobile=10010270253 client_name=fuyufan13
email=fuyufan13@fuxiinstitution.org
```

```
"allowed_cors_origins": [],
"audience": [],
"client_id": "did:fuxi:004d0e14fc43558baee34f15d4d0aad1a9e0217ab37ee8963d48cd192d8dbc57",
"client_name": "fuyufan13",
"client_secret": "abc123",
"client_secret_expires_at": 0,
"client_uri": "",
"contacts": null,
"created_at": "2021-12-10T05:49:06Z",
"email": "fuyufan13@fuxiinstitution.org",
"grant_types": null,
"jwks": {},
"logo_uri": "",
"metadata": {},
"mobile": "10010270253",
"organization": "fuxi",
"owner": "",
"policy_uri": "",
"redirect_uris": null,
"response_types": null,
"scope": "offline_access offline openid",
"subject_type": "public",
"token_endpoint_auth_method": "client_secret_basic",
"tos_uri": "",
"updated_at": "2021-12-10T13:49:06.624666+08:00",
"userinfo_signed_response_alg": "none"
```

```
http POST http://localhost:4445/clients client_secret=abc123
organization=fuxi mobile=20010270253 client_name=zhangyouyi2
email=zhangyouyi2@fuxiinstitution.org
```

创建License

```
http POST
http://localhost:4445/clients/did:fuxi:004d0e14fc43558baee34f15d4d0aad1a9e021
7ab37ee8963d48cd192d8dbc57/licenses Authorization:"bearer abc123"
```

```
{
  "apiKey": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiJkaWQ6ZnV4aTowMDRkMGUxNGZjNDM1NThiYWVlMzRmMTVknGQwYWFKMWE5ZTAyMTdhYjM3ZWU4OTYzZDQ4Y2QxOTJkOGRIYzU3IiwiaXNzIjoiznV4aSJ9.u1qVNUA03Cwoc41niZVAqlii8dU9V6SpimzFw0BjQaw",
  "clientId": "did:fuxi:004d0e14fc43558baee34f15d4d0aad1a9e0217ab37ee8963d48cd192d8dbc57",
  "id": "2216c5a7ae1a93db0be057891c9bd7277e0b31e4d6935fd2eb356776f2a82059"
}
```

```
http POST
http://localhost:4445/clients/did:fuxi:b9da7f3d70685270b49d5004e9e9f6997fb5a1
1ba84371674ee77cba7ec1f2a2/licenses Authorization:"bearer abc123"
```

查询License

```
http
http://localhost:4445/clients/did:fuxi:004d0e14fc43558baee34f15d4d0aad1a9e021
7ab37ee8963d48cd192d8dbc57/licenses Authorization:"bearer abc123"
```

查询可用的名字空间

```
http
http://localhost:4445/clients/did:fuxi:9299bf2084b3e28a9f63314c12bdc37ac0b052
1dc0b5d4cf625016c5084b147d/namespaces Authorization:"bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiJkaWQ6ZnV4aTowMDRkMGUxNGZjNDM1
NThiYWVlMzRmMTVknGQwYWFKMWE5ZTAyMTdhYjM3ZWU4OTYzZDQ4Y2QxOTJkOGRIYzU3IiwiaXNzI
joiznV4aSJ9.u1qVNUA03Cwoc41niZVAqlii8dU9V6SpimzFw0BjQaw"
```

```
[
  "fuxi.id"
]
```

```
http
http://localhost:4445/clients/did:fuxi:9da7f3d70685270b49d5004e9e9f6997fb5a11
ba84371674ee77cba7ec1f2a2/namespaces Authorization:"bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdWQiOiJkaWQ6ZnV4aTpiOWRhN2YzZDcwNjg1
MjcwYjQ5ZDUwMDRlOWU5ZjY5OTdmYjVhMTFiYTg0MzcxNjc0ZWU3N2NiYtYzFmMmEyIiwiaXNzI
joiznV4aSJ9.g1hE-fqjt4y3JhLgZPKpuh00vt7tIaFRQLFEUBDBQqs"
```

创建身份标识

说明

路径

```
localhost:4444/identity
```

HTTP Method

POST

请求参数

- apiKey
- id
- name
- email
- fuxi（可选）

响应结果

范例

```
http POST http://localhost:4444/identity Authorization:"bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdwQiOiJkaWQ6ZnV4aTowMDRkMGUXNGZjNDM1
NThiYWVlMzRmMTVknGQWYWFkMWE5ZTAyMTdhYmJ3ZmU4OTYzZDQ4Y2QxOTJkOGRiYzU3IiwiaXNzI
joiznV4aS5J9.u1qVNUA03Cwoc41nizVAqlii8duU9V6SpimzFw0BjQaw" id=fvan12.fuxi.id
name=fvan12.fuxi.id email=fvan12@fuxiinstitution.org owner=fuxi
```

```
{
  "creationTime": "2021-12-11T11:12:02Z",
  "email": "fvan0@fuxiinstitution.org",
  "id": "fvan6.fuxi.id",
  "lastModifiedTime": "2021-12-11T11:12:02Z",
  "name": "fvan6.fuxi.id",
  "owner": "fuxi",
  "privateKey": "MIIEpAIBAAKCAQEA35rtAYWURkL+cIzQcenLSbKfXCr6fThv1Z/Dp4qZIPkGm0sdKCzPb2IfHyjhw484TNzYtRQ90R6P9P+VUuamX0laqNL8
/KC7fByfFDHtxZ8bCHT60sxbxKMF/y2CXxhP0jwvC5k2UWQc00j0qbrpfN0pcgl+JBNIWwAPCeh2WfuApG1JfSTAVuu4sM1CzeM0C3IHgISM/MUjkkqcfabFw3boHMW
QCAHQLtAikTqxwZV0sI9m67WnzqaKiv4uw1+jVRj7Fpe0of8U8V12Ebr0g4W03bgjZJMphLYIJqsd4wJji56lfXpNeL1Iv00BxkxmnabLnQ2HVsQz0S30hcGAEwIDAQ
ABAoTBAQDawqJ/K6Wtu9tcV5eS6s11E6kvLeku20Mmd4CeIE1Z4ehfcr58cKkC8R1Lid6eS78mK6Zk0iKvGc3BVMc2oUGP1Lv+k0CE0p7+TB1PIfIT0n8uXkSz14hC
M1UIrz6tjjE256XNVTb+hrTZryxd2j5PRJ0PBNJziEVNhpY8jHelAsT1LoEm1/JSNge3uLS08ce/ya08920shTFw7X0zBs0d6TXYjDnJlpuqvjxCgI95ujrhHhPgJki
Su/rIXdAbVxBG06p7zYBAYFXcLtxJIMW9JofV842fJJy5RiHVKbA5ahX5xLThAgKARw+TKnyZXQ1vHD39vKYGU29p2/895AoGBAPK2JC6FXjRig+LvLB9K5HR/zIz
Qk3vWfPLs41RmCcOYL67pBR/7RKLHvu8bqjIfK7fbYY5bE5B4+cXR26PVY3bgBTkC2/yTpVXkI7GbYyLQnm0jQF0THYgtq8260x7wCLPu4r54SMsNl7HLjYrjGR257
pqdvZ7M1Xx53+PkyNLAoGBAA0vY/UGxFLTODZ5IbUjkpe9/rNn9F0VNXUazL0Kwzg679UaIfuJnQAgmbow61anI8aFB5xujcne5D5BGLm92NqwcCuI3aQ0mRR8EfVQGBB
w7x0H4g0CxCUQeAfdwF573gkG0LH8o6qxcAFZ5bL9M5+7ECkty9oe9h2kVtMxcyGoXAoGAKMZUucQKGX7bbUqE/RTV4IR/1sBLpqy2MikK3+jS1B15vYBELiVGnn10
JDNfmmAGNjMS5pmCzekM/jhaT+HPfe8QsY07a+laSL3S0Uo4QUiYMr2yDqZ9GfN0/Yp3EX00yt/sP+L04dvRlnY72znshcPww+TwMDd1Ph4zcnPEskCgYAlfNMciP
itnHhs99zE6zweZn0+HSndlmaMEcV0aafHu8osIuPjxvVb85ngUAPAbquibWk/4DlWmWJhdA7tU2RX8LX+ttZxLh96qfIE0s/579Rm0t01YgtsJX00Dt6qeQrBRide1
/0hzvIdNo0QAoyo5cWcSn5M90074GMbe3JNwKBgQDsu84p32oEY++Eot/pC9Zc0BUh/s15e7bq/nhWTRyIiNgJFTgeiRJirGUWxsWfktYJgUL4f5ewWYsDAKCDy4Nwd
SH3nhYS0fjii/omgDredGm27Z0W3fbn5KURNuxlskSAIgayTs7hBhJA0j0raAkspHzfp5j2y0wMHvtcXJH/g==",
  "publicKey": "MIIBBgKCAQEA35rtAYWURkL+cIzQcenLSbKfXCr6fThv1Z/Dp4qZIPkGm0sdKCzPb2IfHyjhw484TNzYtRQ90R6P9P+VUuamX0laqNL8/KC7f
ByfFDHtxZ8bCHT60sxbxKMF/y2CXxhP0jwvC5k2UWQc00j0qbrpfN0pcgl+JBNIWwAPCeh2WfuApG1JfSTAVuu4sM1CzeM0C3IHgISM/MUjkkqcfabFw3boHMWQCAH
QLtAikTqxwZV0sI9m67WnzqaKiv4uw1+jVRj7Fpe0of8U8V12Ebr0g4W03bgjZJMphLYIJqsd4wJji56lfXpNeL1Iv00BxkxmnabLnQ2HVsQz0S30hcGAEwIDAQAB"
}
```

```
http POST http://localhost:4444/identity Authorization:"bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdwQiOiJkawQ6ZnV4aTpiOWRhN2YzZDcwNjg1
MjcwYjQ5ZDUwMDRlOWU5ZjY5OTdmYjVhMTFiYTg0MzcxNjc0ZWU3N2NiYTdlYzFmMmEyIiwiaXNzI
joiznV4aSj9.g1hE-fqjt4y3JhLgZPKpuh0Ovt7tIaFRQLFEUBDBQqs" id=zyy2.fuxi.id
name=zyy2 email=zyy2@fuxiinstitution.org
```

查询身份标识（根据id）

说明

路径

```
localhost:4444/identity/:id
```

HTTP Method

GET

请求参数

- id

响应结果

范例

```
http GET http://localhost:4444/identity/fvan12.fuxi.id Authorization:"bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdwQiOiJkawQ6ZnV4aTowMDRkMGUXNGZjNDM1
NThiYWVlMzRmMTVknGQwYWFkMWE5ZTAyMTdhYjM3ZWU4OTYzZDQ4Y2QxOTJkOGRiYzU3IiwiaXNzI
joiznV4aSj9.u1qvNUA03Cwoc41niZVAqlii8du9V6SpimzFw0BjQaw"
```

```
{
  "creationTime": "2021-12-11T20:22:04+08:00",
  "email": "fvan11@fuxiinstitution.org",
  "id": "fvan11.fuxi.id",
  "lastModifiedTime": "2021-12-11T20:22:04+08:00",
  "name": "fvan11.fuxi.id",
  "publicKey": "MIIBCgKCAQEAuR8tB6EnnK0lhRS6C1Gp0ztTWauUXafphSmjG4B3brErq0veV0K+xz4761kruC6EwUAoSpNQgbHLepu+cV3bKGAla7533lMYk
CqVTymnqLX56scsR4zA/4B0dum5xlzM3c0SxugyHfM4+82BXB20w+myDXzwi0PX0SSbjFcwSfaL9CrI1yAf3nEXUnUY4uk6uD08vq0X0TdWlgBut2JFsyHLM5f85be
BRLkX1DAapPZBaKB/ZVL9RrTIqBZBGGxF0Vc0vIXEJaI0pvJ0Gk7fATRZgnBkUCK443ZS+0jkaQE1o2LNUxPd7bcUVGsrqag3Q0gs5i6eEM7qplcVIY0wIDAQAB"
}
```

```
http GET http://localhost:4444/identity/zyy2.fuxi.id Authorization:"bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdwQiOiJkawQ6ZnV4aTpiOWRhN2YzZDcwNjg1
MjcwYjQ5ZDUwMDRlOWU5ZjY5OTdmYjVhMTFiYTg0MzcxNjc0ZWU3N2NiYTdlYzFmMmEyIiwiaXNzI
joiznV4aSJ9.glhE-fqjt4y3JhLgZPKpuh0Ovt7tIaFRQLFEUBDBQqs"
```

```
// swagger:model createIdentityrequestbody
```

```
type createIdentityrequestbody struct {
```

```
    // The token of identity client.
```

```
    // required: true
```

```
    // in: query
```

```
    key string json:"authorization"
```

```
    // The id of the identity.
```

```
    // required: true
```

```
    // in: body
```

```
    Id string json:"id"
```

```
    // The name of the identity.
```

```
    // required: true
```

```
    // in: body
```

```
    Name string json:"name"
```

```
    // The email of the identity.
```

```
    // required: true
```

```
    // in: body
```

```
    Email string json:"email"
```

```
    // The owner of the identity.
```

```
    //
```

```
// in: body
```

```
Owner string json:"owner"
```

```
}
```

```
// swagger:parameters createIdentityrequest
```

```
type createIdentityrequest struct {
```

```
// in: body
```

```
Body createIdentityrequestbody
```

```
}
```

删除身份标识

说明

路径

```
localhost:4444/identity/:id
```

HTTP Method

DELETE

请求参数

- id

响应结果

范例

```
http DELETE http://localhost:4444/identity/fvan12.fuxi.id
Authorization:"bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdwQiOiJkawQ6ZnV4aTowMDRkMGUXNGZjNDM1
NThiYWVlMzRmMTVknGQwYWFkMWE5ZTAyMTdhYjM3ZWU4OTYzZDQ4Y2QxOTJkOGRiYzU3IiwiaXNzI
joiznV4aSj9.u1qVNUA03Cwoc41nizVAq1i8du9V6SpimzFw0BjQaw"
```

```
7/8 4/511 warning: SetLocation: EG_ALL: cannot change to
HTTP/1.1 204 No Content
Date: Sun, 12 Dec 2021 03:44:21 GMT
```

List身份标识

说明

路径

```
localhost:4444/identity
```

HTTP Method

GET

请求参数

- id

响应结果

范例

```
http GET http://localhost:4444/identity?
client_id=did:fuxi:004d0e14fc43558baee34f15d4d0aad1a9e0217ab37ee8963d48cd192d
8dbc57 Authorization:"bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdwQiOiJkawQ6ZnV4aTowMDRkMGUXNGZjNDM1
NThiYWVlMzRmMTVknGQwYWFkMWE5ZTAyMTdhYjM3ZWU4OTYzZDQ4Y2QxOTJkOGRiYzU3IiwiaXNzI
joiznV4aSj9.u1qVNUA03Cwoc41nizVAq1i8du9V6SpimzFw0BjQaw"
```



```
{
  "creationTime": "2021-12-11T19:39:11+08:00",
  "email": "fvan10@fuxiinstitution.org",
  "id": "fvan10.fuxi.id",
  "lastModifiedTime": "2021-12-11T19:39:11+08:00",
  "name": "fvan10.fuxi.id",
  "publicKey": "Qm9keVNuYXRjaGVy"
},
{
  "creationTime": "2021-12-12T14:32:24+08:00",
  "email": "fvan6@fuxiinstitution.org",
  "id": "fvan6.fuxi.id",
  "lastModifiedTime": "2021-12-12T14:32:24+08:00",
  "name": "fvan6.fuxi.id",
  "publicKey": "MIIBBgKCAQEAqRmDyrP46R2tEPfchb6c15aMf4aNMds+o4sq0P3Ga8d5W88rDNaFTynZxtLK9NEYVYxm3QU5cndAJ+bPvLmSELD8J4SCfelcex4/pz/efxI6QM5qPVv06fIS+5JUprBIV/vL419jIt9H4o+3aNEIoP0q42kdJ3JZk0g0ge fH+7mvD4PRt tW6JH*WpLg0qUKXc05IHBxCCIn5Pj gxDYtom5Nf fv4T9yaTrgLj 1weALWvpoLmjB5c7/UcyI7HDE3g5nAGTdgnebmra1h9xhyy1Lt2gm5ZQIDAQAAB"
},
{
  "creationTime": "2021-12-12T14:42:35+08:00",
  "email": "fvan12@fuxiinstitution.org",
  "id": "fvan12.fuxi.id",
  "lastModifiedTime": "2021-12-12T14:42:35+08:00",
  "name": "fvan12.fuxi.id",
  "publicKey": "MIIBBgKCAQEApil02ho05Hz8R2YdHtmDM2JJZEFoov6A8j8APi4N+sILkAwu/ALEkazWpU27LrRaX9hxiTojB+XX6tsH5cdXfcsFu3/mW8U05zVgUdd/9G+c1Hs izBt4Vt8aYm5+7ohpAea7jZicq83207SgdaH5YSGSSX/3zKaGyAC2Z/eL3 tG8pL8Rfe/4Yo6Aq0oaXMc faxrT5aJ5a4nVzZb9IKh tbsd+PhJ1Qx5P6fDIFLE/ Ljv6Ca/KkenSrQaDjwzGu3+F80tKjTLLWXumYELjxtlp0qnL9A2xQIDAQAAB"
}
}
```

```
http GET http://localhost:4444/identity?
client_id=did:fuxi:b9da7f3d70685270b49d5004e9e9f6997fb5a11ba84371674ee77cba7e
c1f2a2 Authorization:"bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdwQiOiJkawQ6ZnV4aTpiOWRhbnYyZDcwNjg1
MjcwYjQ5ZDUwMDRlOWU5ZjY5OTdmYjVhMTFiYXNjc0ZlYzFmMmEyIiwiaXNzI
joiznV4aSJ9.glhE-fqjt4y3JhLgZPKpuh0Ovt7tIaFRQLFEUBDBQqs"
```

创建数据标识

说明

路径

localhost:4444/identifier

HTTP Method

POST

请求参数

- id
- name
- owner
- dataAddress
- dataDigest
- tags: 数组，可选
- metadata: Map类型，可选

响应结果

范例

```
http POST localhost:4444/identifier Authorization:"bearer
eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdwQiOiJkawQ6ZnV4aTpiOWRhN2YzZDcwNjg1
MjcwYjQ5ZDUwMDRlOWU5ZjY5OTdmYjVhMTFiYTg0Mzc0ZWU3N2NiYTdlYzFmMmEyIiwiaXNzI
joiznV4aSJ9.glhE-fqjt4y3JhLgZPKpuh0Ovt7tIaFRQLFEUBDBQqs" id=news.zyy4.fuxi.id
name=zyy4_news owner=zyy4.fuxi.id dataAddress="https://scholars-stage.org/xi-
jinpings-war-on-spontaneous-order/" dataDigest="abc" subscriptionType="Free"
categoryID="education" tags='["News","Home"]' metadata:='{ "type": "test",
"site": "zhihu" }'
```

```
{
  "authAddress": "http://localhost:4444",
  "dataAddress": "https://scholars-stage.org/xi-jinpings-war-on-spontaneous-order/",
  "dataDigest": "abc",
  "id": "news.zyy4.fuxi.id",
  "metadata": {
    "site": "zhihu",
    "type": "test"
  },
  "name": "zyy4_news",
  "owner": "zyy4.fuxi.id",
  "subscriptionType": "Free",
  "tags": [
    "News",
    "Home"
  ]
}
```

查询数据标识（根据ID）

说明

路径

```
localhost:4444/identifier/:id
```

HTTP Method

GET

请求参数

- id

响应结果

范例

```
http GET localhost:4444/identifier/news.zyy4.fuxi.id Authorization:"bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdwQiOiJkawQ6ZnV4aTpiOWRhbn2YzZDcwNjg1MjcwYjQ5ZDUwMDRlOWU5ZjY5OTdmYjVhMTFiYTg0MzcxNjc0ZWU3N2NiYTdlYzFmMmEyIiwiaXNzIjoiznV4aSJ9.g1hE-fqjt4y3JhLgZPKpuh0Ovt7tIaFRQLFEUBDBQqs"
```

删除数据标识

说明

路径

```
localhost:4444/identifier/:id
```

HTTP Method

DELETE

请求参数

- id

响应结果

范例

```
http DELETE localhost:4444/identifier/news.zyy2.fuxi.id Authorization:"bearer eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJhdwQiOiJkawQ6ZnV4aTpiOWRhbn2YzZDcwNjg1MjcwYjQ5ZDUwMDRlOWU5ZjY5OTdmYjVhMTFiYTg0MzcxNjc0ZWU3N2NiYTdlYzFmMmEyIiwiaXNzIjoiznV4aSJ9.g1hE-fqjt4y3JhLgZPKpuh0Ovt7tIaFRQLFEUBDBQqs"
```

```
7/0m/sh: warning: setlocale: LC_ALL: cannot
HTTP/1.1 204 No Content
Date: Sat, 18 Dec 2021 07:26:44 GMT
```

查询某个用户名下的数据标识

说明

路径

```
localhost:4444/identifier?client_id=?
```

HTTP Method

GET

请求参数

- client_id

响应结果

范例

```
http GET http://localhost:4444/identifier?client_id=cat.fuxi.id
```

订阅数据标识

说明

路径

```
localhost:4444/subscriptions
```

HTTP Method

POST

请求参数

- identifier
- recipient

响应结果

范例

```
http POST localhost:4444/subscriptions Authorization:"bearer
eyJhbGciOiJSUzI1NiJ9.eyJhdwQiOiJiaWRlbnRpdHkiLCJkYXRhIGlkZW50awZpZXIiXSwiZXhw
IjoxNjMzOTMzMDAwLCJpYXQiOjE2MzY2MzY2MzY2MDAsImIzcyI6Ik9SWSBIewRyYSIsImp0aSI6ImNkM
jU3MTJiLTNmN2Q0NGMyOC05NWZLTm1YTnIzjRhNzgwNiIsInNjcCI6WyJkYXRhIGV4Y2hhbmdlIi
wiaWRlbnRpdHkiXSwic3ViIjoiyY2F0LmZleGkuawQiFQ.pofVstG8F5kn9dg6Mq6nmqqUCaZEsnIy
eFg_yvgN8AKVoy-jGIksmmuwzM-qLimNGo0-fs2ktumPbvYXl-
Ykw_9w6E8zvCA4FIIEfvDIFgCyOnp8LDlGRHrk6dfrw86mEIjJdABicxZjGck5hXIjP91-
bsvOj1A-yyxGjPlDlDFjoper_hfDQ2_3d6Z0oLXAZliAge199HjtV6R07UrEz6C3-
7HLIwvft01xLItSkblDg80XFhDr0WA1kRO5iVS-zNjLiU1SPSEEHVGoum9-
idEq6Y4eze59ojZo1VDWenq7jvCLBddm40omJzQ7IFhO-
xAjTo_EncCBktiH3d5NFrkn9puZ37c5viugMwm28iw1ohqMpFdyUXmx9zcwvqFbI4NTlmlwIqlt9x
qLQavS_Y1lCS09NkcZn5Qu4EDIRsfJekK5p15-
SPrkqTTSo_6ZW6Hk8WtXJAD3IoMFLJe9D23hx9uCDPQoSMxpDnNFQxsaG9Ckip32wb79Qx3wpCDX7
Cmt9IIRKCHZ4TopMTRGO4fmf0ssq_4viVy0Yj9ot9YycrX5yz261vasijUHhm3TjtaSmR4wcmY5Qy
dlGV10QosqiqtDfJZtJK9QdfGvfpaFQbh-tU2W8SJwwZOfsbag3Hii-IXaojpuU6L-0hKbNQ-
R1M0bi7S1AXgyUPFys_k" identifier=de1.fuxi.id recipient=cat.fuxi.id
```

查询某个订阅

说明

路径

```
localhost:4444/subscriptions/:id
```

HTTP Method

GET

请求参数

- id

响应结果

范例

As data requestor

```
http GET
http://localhost:4444/subscriptions/75208d8c58aa5312a4d0ea86053c216c.d2.elephant.fuxi.id Authorization:"bearer
eyJhbGciOiJSUzI1NiJ9.eyJhdwQiOiJsiawRlbnRpdHkiLCJkYXRhIGlkZW50awZpZXIiXSwiZXhwIjoxNjMzOTMzMDAwLCJpYXQiOjE2MzY2MzY2MzY2MDAsImZcyI6Ik9SWSBIeWRyYSIsImp0aSI6ImNkMjU3MTJiLTNmNzQ2NGMyOC05NWZLTm1YTnZjRHNzgwNiIsInNjcCI6WyJkYXRhIGV4Y2hhbmdlIiwiaWRlbnRpdHkiXSwic3ViIjoieY2F0LmZ1eGkuawQiFQ.pofVstG8F5kn9dg6Mq6nmqqUCaZEsniyeFg_yvgn8AKVoy-jGIksmmuwzM-qLimNGo0-fs2ktumPbvYXl-Ykw_9w6E8zvCA4FIIEfvDIFgCyoNp8LDlGRHrk6dfrw86mEIjJdABICxZjGck5hXIjP91-bSvOj1A-yyxGjPlDlDFjoper_hfDQ2_3d6ZooLXAZliAge199HjtV6R07UrEz6C3-7HLIwvft01xLItSkblDg80XFhDr0WA1kRO5iVS-zNjLiU1SPSEEHVGoum9-idEq6Y4eZe59ojZo1VDWenq7jvCLBddm40omJzQ7IFhO-xAjTo_EncCBktiH3d5NFrkn9puZ37c5vIugMwm28iw1ohqMpFdyUXmx9zcwvqFbI4NT1m1wIqlt9xqLQavS_Y1lCS09NkcZn5Qu4EDIRSfJekK5p15-SPrkqTTSo_6ZW6Hk8WtXJAD3IoMFLJe9D23hx9uCDPQoSMxpDnnFQxsag9Ckip32wb79Qx3wpCDX7Cmt9IIRKCHZ4TopMTRG04fmf0ssq_4vivy0Yj9ot9YycrX5yz261vasijUHhm3TjtaSmR4wcmy5Qyd1GV10QosqitdFJZtJK9QdfGvfpaFqbh-tU2W8SJwwZOfsbaG3Hii-IXaojpuU6L-0hkbnQ-R1M0bi7S1AXgyUPFys_k"
```

As data owner

```
http GET
http://localhost:4444/subscriptions/f4b26d7859c6a891404508a7df21cc41.d1.elephant.fuxi.id Authorization:"bearer
eyJhbGciOiJSUzI1NiJ9.eyJhdwQiOiIsciawRlbnRpdHkiLCJkYXRhIGlkZW50awZpZXIiXSwiZXhwIjoxNjMzNjcwNTAwLjYxQiojE2MzM0MTEzMDE5ZiIsInNjcCI6WyJkYXRhIGV4Y2hhbmdlIiwiaWNRlbnRpdHkiXSwic3ViIjoizWxlcmVhbnQuZnV4aS5pZCJ9.ox_9hL-
ls7gQEKtiJjFviD2fchskEUM0s4Ub0fkHhbuyTTK-fiCRowkJ2grmPwJ2JfhG2Z1l6P1gHogT-
S_KCb7IgrS7AbrhwocyFQddzwY0sTn6DECxOR1_KEbEGMZJHGfa_pFZseG7Hwhnkr9wwwkT5Q46md
BtZEvvorBKhroap2ADV-Va-
LLC7nYszAU1CL8IFtZ04amnHNq4barTNvgTa9jw4AG_naRDzZrBU3Yz7d74dhouP93oijtZouq-
eQndd6XrvHYbPw3-
JX2PQCqacJAclMDD56y05z_xwMGI3qyF80L0FLqEckOIpo09hodyUu6CnH65WX-Cxs9-
Q9SjBS6GFh6hPnKQ6_8FOHSocykxP8Tr11chMBmhdshpWB8Pin8sTr6Szd74yS0EO-
8N1WZWDpiZqyS0IgzL2ipfw4D_UGxCOWEG4AemTALNXlcn-7gm-
EOBgpC7IlsopPcm0H5LFz1s91KjXCAMUi2eP5nVLMG09j-
y4p0tFHso9LXguFtJsxwGeiQrIyy2PZeJFBzM0fAdcllYyp5uto6kzQbvV9PVJCGSj-
nwLm39Lbcvh8Jjxfc7Qklavf-
dx5Or9iuHOfxm9U_fjLSbbMa3y6V18vXUwp8I4beDvheYc21wamBlT0cgjvjvYq6VKSltSjs_j4qq
Z6-Rb7j740o"
```

删除订阅

说明

路径

```
localhost:4444/subscriptions/:id
```

HTTP Method

DELETE

请求参数

- id

响应结果

范例

```
http DELETE
localhost:4444/subscriptions/f4b26d7859c6a891404508a7df21cc41.d1.elephant.fux
i.id Authorization:"bearer
eyJhbGciOiJSUzI1NiJ9.eyJhdwQiOiI0IiwiaWVudCI6ImVhbmRlIiwiaWF0IjoiY2F0LmZleGkuawQifQ.QCYfQU1kdfGdzfI2wPRR3bw5lCAGju9f
7CVX__weY3hme7fPrfPx91YdG-ioVDpBNr-
xw71zYjIJe1M0BDWwGcKup1qRtvOWIOFTSYU4TA1tj59V-
CPw1taFXLg84P7kBgBRvZWD02l8p3utKtxPn0Qcnvg_wVo-
lBgurXhZ8Oct8ihe6ARzx8Ug3W4Eqgjx0cC5R9OVJAzQ75L_h4nJ_wMsOr8GxvsidQo63gfXpUx1a
4c1vGKva40CSFh4CVQDlK2zPRKNEV4amqvVm5mSqv2BUiMVEeDTD_qvfZEWVF9zGXxI_o_WIyIdJt
__iqKpo_AcDSYr7K0L-
5t4A5TK5HzQ39QNMlmHTtTimjHrdJgCsGgygKjoi901E0wF8b0urgZIXb8ety1iLhx7OzNAzus1sh
YnbRjgCoJQudOwebw8dk0fkdvSBHbT0q0yo1UvwhGX9H1dnC2_daK_Gbzq0x6l77J483Pew7CSrO6
PY1rz3M5dZ7Eu9BxpSFrScQ6zGv0kH6dJw5wzu_h0vWM6swwr337nfTdkLqNojDctIXnmj78nfqFd
kL_NI_pSjt0I9BeshoEXHB5xvNTxVA4MhMGMtjQzcfQMYunk44ZJI0fkFz8g7saokCJjsKw1mFwik
FVz4_lm1uEgGfqc5l5ks9YrHagROAbyiaQ2bEm-0UA"
```

查询订阅

说明

路径

```
localhost:4444/subscriptions
```

HTTP Method

GET

请求参数

- role, 取值为requesor或者owner
- limit
- offset

响应结果

范例

As data requestor

```
http GET http://localhost:4444/subscriptions?role=requestor
Authorization:"bearer
eyJhbGciOiJSUzI1NiJ9.eyJhdwQiOiIiawRlbnRpdHkiLCJkYXRhIGlkZW50awZpZXIiXSwiZXhw
IjoxNjMzNjAwODYxLCJpYXQiOjE2MzMzNDE2NjEsImIzcyI6Ik9SWSBIeWRYYSIsImp0aSI6ImVhM
jcxNTYxLTlkMGYtNDk5YS05YWY1LTMzMGI2ODhlZjdmYyIsInNjcCI6WyJkYXRhIGV4Y2hhbmdlIi
wiawRlbnRpdHkiXSwic3ViIjoIY2F0LmZ1eGkuawQiFQ.QCYfQU1kdfGdzfI2wPRR3bw5lCAGjU9f
7CVX__weY3hme7fPrfPx91YdG-ioVDpBNr-
xw71zYjIJe1M0BDWwGckup1qRtvOwIOftSYU4TA1tj59V-
CPw1taFXLg84P7kBqBRvZwD02l8p3utKtxPn0Qcnyg_wvo-
lBgurXhZ8oct8ihe6ARzx8Ug3W4Eqqjx0cc5R9OVJAzQ75L_h4nJ_wMsOr8GxVsiDqo63gfXpUx1a
4clVGkva40CSFh4CVQDlK2zPRKNEV4amqvVm5mSqv2BUiMVEeDTD_qVfZEWVF9zGXxI_o_wIyIdJt
__iqKpo_AcDSYr7K0L-
5t4A5TK5HzQ39QNMlMHTtTiMjHrdJgCsGgygKjoi901E0wF8b0urgZIXb8etyliLhX7OzNAzus1sh
YnBRjgCoJQudOwebw8dk0fkdvSBHBT0q0yo1UvwhGX9H1dnC2_daK_gbzq0x6177J483Pew7CSrO6
PY1rz3M5dZ7Eu9BxpSFrScQ6zGv0kH6dJw5Wzu_h0vWM6swwr337nftdkLqNojDctIXnmj78nfqFd
kL_NI_psJt0I9BeshOEXHB5xvNTxVA4MhMgmTjQzcfQMYunk44ZJI0fkFz8g7saokCjjskWlmFWik
FVz4_lmluEgGfqc5l5ks9YrHagROabyiaQ2bEm-0UA"
```

As data owner

```
http GET http://localhost:4444/subscriptions?role=owner&status=Applied
Authorization:"bearer
eyJhbGciOiJSUzI1NiJ9.eyJhdwQiOiIiawRlbnRpdHkiLCJkYXRhIGlkZW50awZpZXIiXSwiZXhw
IjoxNjMzNjcwNTAwLCJpYXQiOjE2MzM0MTEzMDAsImIzcyI6Ik9SWSBIeWRYYSIsImp0aSI6IjE1Z
GJjOTdkLTk4YwUtNDY4MS1iZGVmLTlmYjZmYTE1MDE5ZiIsInNjcCI6WyJkYXRhIGV4Y2hhbmdlIi
wiawRlbnRpdHkiXSwic3ViIjoIZWxlCGhhbnQuZnV4aS5pZCJ9.ox_9hL-
ls7gQEktiJjFviD2fchskEUM0s4Ub0fkHhbuyTTK-fiCRowkJ2grmPwJ2JfhGZl1l6P1gHogT-
S_KCb7IgrS7AbrhwocyFQddzWY0Stn6DECxOR1_KEbEGMZJHGfa_pfZseG7Hwhnkr9wwwkT5Q46md
BtZEVvorBKhroap2ADV-Va-
LLC7nYSzAU1CL8IFtZ04amnHNq4bartNvgTa9jw4AG_narDzZrBU3Yz7d74dhouP93oijtZouq-
eQndd6XrvHYbPw3-
JX2PQCQacJACLMDD56yO5z_xwMGI3qyF80L0FLqEckOIpo09hodyUu6CnH65WX-Cxs9-
Q9SjBS6GFh6hPnkQ6_8FOHSocykxP8Tr11ChMBmhdshpWB8Pin8sTr6Szd74ys0EO-
8N1WZWDPiZqys0IgzL2ipfw4D_UGxCOWEG4AemTALNXlCN-7gm-
EOBGpc7IlsopPcM0H5LFz1s91KjxCAMUi2eP5nVLMG09j-
y4p0tFHso9LXguFtjsxwGeiQrIyy2PZeJFBzM0fAdcllYp5uto6kZQbvV9PVJCGSj-
nwLm39Lbcvh8Jjxfc7Qklavf-
dx5Or9iuHOfxm9U_fjLSbbMa3y6V18vXUwp8I4bedVheYc21wamB1T0cgjvjvYq6VKSltSJs_j4qq
Z6-Rb7j740o"
```

审批订阅

说明

如果审批通过，订阅的状态将变为**Granted**，订阅的**Content**字段将包括生成的**Access Token**；否则，订阅的状态为**Refused**，**Content**字段或者为拒绝原因，或者为其他任何内容。

路径

```
localhost:4444/subscriptions/:id
```

HTTP Method

PATCH

请求参数

- status

响应结果

范例

```
http PATCH
localhost:4444/subscriptions/d0c3d423d1d1c3f5013a34c30aec7bdd.de1.fuxi.id
status=Granted Authorization:"bearer
eyJhbGciOiJSUzI1NiJ9.eyJhdWQiOiJsaWRlbnRpdHkiLCJkYXRhIGlkZW50awZpZXIiXSwiZXhw
IjojNjMzOTMxNjUyLCJpYXQiOiE2MzY2MzI0NTIsImIzcyI6Ikk9SWSBIeWRyYSIsImp0aSI6ImEyZ
TZhNGE5LTaxMmEtNDdlMi04MTdjLWZmY2M2NTF1ZmE1NyIsInNjcCI6WyJkYXRhIGV4Y2hhbmd1Ii
wiaWRlbnRpdHkiXSwic3ViIjoizWxlcmV4bGhbnQuZnV4aS5pZCJ9.T-
Zrx112tPbNGzCIVoeWXBZHALtcF4YYSba67NUN8VpiKeQ1V-xKT6L5SPMuLrLdJ98-
pkTb2WZ64pt3FyBXORz7WEygPR2svTLFoHPWvkeJLx1jd9d6BON6gd8IJIW2rr8LABUjNEPfbSa70
v7W0XvndzITTFg6Pg02jSQop1kOWxrSsuxfd2nAF55tpED3FCM1rgVsx8wV2GCoRngHBYR3tSkU_C
IpPB1CVjIdkvm6k95YuTijDMc7J_keiDDpSX62zJYFL6fy5qjnu9BvDoEJdNXBCjizFmnX2kxt6Pl
aNU_v9z39IcOT8hhuK_smRwL8sxY5T5IAk1p5u4lseJTzzcf3QSi_L22_wg335mj2WtyVp9FP715j
a2biThgxgsGJlIMGbxkxTnINgpZufUxK7xA3vj0qK1pi-
wyCgyPzFQuTrTMbp8DG8EdGWSC01lCCux-
1fEp8gv1aPf2r1i_13htNrs8Ujebu2VGSnfc3yBXa8EgoQo-
AE11NEIkA6UHJoauXDVAvm3fHLFaa09H_8Pg31AHnoit9m92vtKXThS6LQ2BTlxmZsjeEqI10Ish
t7SKww7jg4ODfFIKXWN0EydP45iHioSYD4NXQREKJAZ5SK4advRxf0yIDr4vqZAC2PQCfX9mOVNMZ
-8iF6vwfgT0JYcXCL1J8cukfg"
```

检验订阅后生成的Access Token

说明

路径

```
localhost:4445/oauth2/authenticate
```

HTTP Method

GET

请求参数

- HTTP Header: Authorization

响应结果

范例

```
http GET http://localhost:4445/oauth2/authenticate Authorization:"bearer
eyJhbGciOiJSUzI1NiJ9.eyJhdwQiOiIyF0LmZ1eGkuawQiXSwiZXhwIjoxNjMzOTM0Nzc1LCJp
YXQiOiJlMzZlMzU1NzU1ImZcyI6Ik9SWSBIewRyYSIsImp0aSI6Ijc3YzZlZAwLWRjMDctNDZkZ
i05YTYyLTk3MDA0OTkzMFlZiIsInJlcXVlc3RvcCI6ImNhdc5mdXhpLm1kiwiIiwic2NwIjpbImRlMS
5mdXhpLm1kiI0sInN1YiI6ImVsZXBoYW50LmZ1eGkuawQiLCJzdWJzY3JpcHRpb24iOiJkMGMzZDQ
yM2QxZDFjM2Y1MDEzYTM0YzMyYVJnNjJkZC5kZTEuZnV4aS5pZCJ9.Hay5HiKMuicPFjNyXgZKS5h
9RIqDmQHtnrCMg1gemCLDCn_CPPMT100Dj8gHAA3wPScd57KghHFV27iGFBA50_nSyUJ46bhBIGN0
IsX_z9XSjwof1K5GuhuD-
1MMAA5w5yG9NSGbH4NAZ9MpPDvs1SjvAI661Q0hedUpgw68uuwqCNiLd1bRksvH3wddxMX-
Iaw8488JDeXhC1nbTeiLd15GGyn1G7M5RAPzj90tk7kDZqtoTx79EPF6jQ7RU5KnykDLpkTr4jBzq
8EHXUUXhaa7rLiVMITD3WOQH1c9IAfSYtcPWF3np24P4pD060Iv2JqwESpc_MrN0nbc-
3lr2H5susA0H5HhvdGMvMdgexx3-
OIiFj2pMZvM8RwTf5jSXUZA7TcNDDsZTF0snZRgV2_8i9szT4j4-
ittjGmjPI_huiy30JI9mfBw1wsFcMPQ2fXxTJy0y8cIg4uitKEHZiGFza2BVymKlpttGoL1TF21vg
ns3JzgVBX8b060wuZ3LoAjFbVeruTjgx67D709VEJ-
g6ifdVY8E8wP2uTfwWjjf1RfOC2tIg7fxghduUJgwzvBKrrZC78lDn_DUCQLn_8nwYOVLgrgbvC6f
qnMomwQtglCBWG4MVPRZ-EKS2MFCxcAY5EVY3OHYwL6qlmmnVORFBTunmCb1CI1nhy2Y"
```