

MS Registry REST API Resources

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Welcome to the MS Registry REST API. Below, you'll find a full listing of all the available endpoints. As we add more endpoints, they will be automatically documented here.

The endpoint's documentation section includes what query parameters the endpoint will accept, what the JSON object's parameters will be in the response, and an example query/response.

This documentation is for most recent version of the MS Registry REST API, version **v0.3.0**.

GET /auth/test

Test Bearer Token authentication.

Resource Information

Method	GET
URL	/auth/test
Requires authentication?	Yes
Requires Role?	Every Role can access

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user

Example

```
curl \
-H 'authorization: Bearer YOUR_API_TOKEN' \
'https://ws.msregistry.s3it.uzh.ch/auth/test'
```

Response

```
{
  "code": "authorization_success",
  "description": "All good. You only get this message if you're authenticated."
}
```

GET /user

Get metadata about the current user.

Resource Information

Method	GET
URL	/api/v1.0/user
Requires authentication?	Yes
Requires Role?	Every Role can access

Response Parameters

Parameter	Type	Description
uniqueID	(string)	That's the unique ID of the user, received from OAuth server
consent	(bool)	Has the Informed Consent been accepted?
member__since	(iso 8601 datetime)	Datetime the user joined
last__seen	(iso 8601 datetime)	Datetime last seen user. This field is updated on every user interaction

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user

HTTP Code	Error Identifier	Error Message
404	not_found	User not found

Example

```
curl \
-H 'authorization: Bearer YOUR_API_TOKEN' \
'https://ws.msregistry.s3it.uzh.ch/api/v1.0/user'
```

Response

```
{
  "uniqueID": "auth0|569cf82bfc02d8a0339beef4",
  "consent": true,
  "member_since": "2016-03-04T17:03:37",
  "last_seen": "2016-03-04T17:05:12"
}
```

GET /user/consent

Get information about user acceptance of Informed Consent.

Resource Information

Method	GET
URL	/api/v1.0/user/consent
Requires authentication?	Yes
Requires Role?	Patient, Relative

Response Parameters

Parameter	Type	Description
consent	(bool)	Has the Informed Consent been accepted?

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected

HTTP Code	Error Identifier	Error Message
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user
401	unauthorized	Insufficient Roles

Example

```
curl \
-H 'authorization: Bearer YOUR_API_TOKEN' \
'https://ws.msregistry.s3it.uzh.ch/api/v1.0/user/consent'
```

Response

```
{
  "consent": true
}
```

POST /user/consent

Set user acceptance of Informed Consent.

Resource Information

Method	POST
URL	/api/v1.0/user/consent
Requires authentication?	Yes
Requires Role?	Patient, Relative

Request Parameters

Parameter	Type	Description
consent	(bool)	Set True is Informed Consent has been accepted, False otherwise

Response Parameters

Parameter	Type	Description
success	(bool)	Return True if content was accepted and registered, False otherwise

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user
401	unauthorized	Insufficient Roles

Example

```
curl \
-i -H "Accept: application/json" \
-H "Content-Type: application/json" \
-X POST -d '{"consent': true}" \
-H 'authorization: Bearer YOUR_API_TOKEN' \
'https://ws.msregistry.s3it.uzh.ch/api/v1.0/user/consent'
```

Response

```
{
  "success": true
}
```

GET /user/roles

Get User's Roles.

Resource Information

Method	GET
URL	/api/v1.0/user/roles
Requires authentication?	YES
Requires Role?	Every Role can access

Response Parameters

Parameter	Type	Description
roles	(array)	Return user's roles stored on OAuth Server. Returned values are: 'doctor', 'guest', 'patient', 'relative', 'researcher'. If no roles are stored on OAuth Server, return empty array.

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user
401	unauthorized	Insufficient Roles

Example

```
curl \
-H 'authorization: Bearer YOUR_API_TOKEN' \
'https://ws.msregistry.s3it.uzh.ch/api/v1.0/user/roles'
```

Response

```
{
  "roles": [
```



```

    "doctor",
    "patient"
  ]
}

```

GET /user/lang

Get User's Language.

Resource Information

Method	GET
URL	/api/v1.0/user/lang
Requires authentication?	YES
Requires Role?	Every Role can access

Response Parameters

Parameter	Type	Description
lang	(string)	Return user's language setting stored on OAuth Server. Returned values are: 'de', 'fr', 'it'. If no language setting is stored on OAuth Server, return default language 'de'.

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user
401	unauthorized	Insufficient Roles

Example

```
curl \
-H 'authorization: Bearer YOUR_API_TOKEN' \
'https://ws.msregistry.s3it.uzh.ch/api/v1.0/user/lang'
```

Response

```
{
  "lang": "de"
}
```

GET /diary

Get User's Diary.

Resource Information

Method	GET
URL	/api/v1.0/diary
Requires authentication?	YES
Requires Role?	Patient, Relative

Response Parameters

Parameter	Type	Description
diary	(json file)	Return user's Diary. Returned value is a RAW JSON file
timestamp	(iso 8601 datetime)	Datetime the diary was updated

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired

HTTP Code	Error Identifier	Error Message
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user
401	unauthorized	Insufficient Roles

Example

```
curl \
-H 'authorization: Bearer YOUR_API_TOKEN' \
'https://ws.msregistry.s3it.uzh.ch/api/v1.0/diary'
```

Response

```
{
  "diary": {
    "value": "any"
  },
  "timestamp": "2016-03-23T15:03:41.643000"
}
```

POST /diary

Write User's Diary or Update it. In case of Update, Backend keeps track of previous Diary versions.

Resource Information

Method	POST
URL	/api/v1.0/diary
Requires authentication?	Yes
Requires Role?	Patient, Relative
Requires IC Accepted?	Yes

Request Parameters

Parameter	Type	Description
diary	(json file)	RAW JSON file

Response Parameters

Parameter	Type	Description
success	(bool)	Return True if diary was accepted, False if JSON File is not well formatted

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user
401	unauthorized	Insufficient Roles
401	unauthorized	Consent Information not accepted

Example

```
curl \
-i -H "Accept: application/json" \
-H "Content-Type: application/json" \
-X POST -d '{"value': 'any'}" \
-H 'authorization: Bearer YOUR_API_TOKEN' \
'https://ws.msregistry.s3it.uzh.ch/api/v1.0/diary'
```

Response

```
{
  "success": true
}
```

GET /survey

Get All Surveys compiled by User.

Resource Information

Method	GET
URL	/api/v1.0/survey
Requires authentication?	YES
Requires Role?	Patient, Relative

Response Parameters

Parameter	Type	Description
surveys	(array)	Return list of all Surveys compiled by User as JSON array
id	(string)	Return Survey ID
survey	(json file)	Return User's Survey. Returned value is a RAW JSON file
timestamp	(iso 8601 datetime)	Datetime the survey was inserted

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user
401	unauthorized	Insufficient Roles

Example

```
curl \
-H 'authorization: Bearer YOUR_API_TOKEN' \
'https://ws.msregistry.s3it.uzh.ch/api/v1.0/survey'
```

Response

```
{
  "surveys": [
    {
      "id": "56f2c662ec71bc2c6b001040",
      "survey": {
        "value": "any"
      },
      "timestamp": "2016-03-23T16:37:54.765000"
    },
    {
      "id": "56f2c7cdec71bc2c6b001041",
      "survey": {
        "value": "any"
      },
      "timestamp": "2016-03-23T16:43:57.800000"
    }
  ]
}
```

GET /survey/get/<id>

Get All Surveys compiled by User.

Resource Information

Method	GET
URL	/api/v1.0/survey/get/<id>
Requires authentication?	YES
Requires Role?	Patient, Relative

Request Parameters

Parameter	Type	Description
id	(string)	Survey ID

Response Parameters

Parameter	Type	Description
id	(string)	Return Survey ID
survey	(json file)	Return user's Survey. Returned value is a RAW JSON file

Parameter	Type	Description
timestamp	(iso 8601 datetime)	Datetime the survey was inserted

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user
401	unauthorized	Insufficient Roles

Example

```
curl \
-H 'authorization: Bearer YOUR_API_TOKEN' \
'https://ws.msregistry.s3it.uzh.ch/api/v1.0/survey/get/56f2c662ec71bc2c6b001040'
```

Response

```
{
  "id": "56f2c662ec71bc2c6b001040",
  "survey": {
    "value": "any"
  },
  "timestamp": "2016-03-23T16:37:54.765000"
}
```

POST /survey

Insert a new User's Survey.

Resource Information

Method	POST
URL	/api/v1.0/survey
Requires authentication?	Yes
Requires Role?	Patient, Relative
Requires IC Accepted?	Yes

Request Parameters

Parameter	Type	Description
survey	(json file)	RAW JSON file

Response Parameters

Parameter	Type	Description
success	(bool)	Return True if survey was accepted, False if JSON File is not well formatted

Resource Errors

These are the possible errors returned by this endpoint.

HTTP Code	Error Identifier	Error Message
403	authorization_required	Authorization header is expected
401	invalid_header	Authorization header must start with Bearer
401	invalid_header	Token not found
401	invalid_header	Authorization header must be Bearer + token
400	token_expired	Token is expired
400	invalid_audience	Incorrect audience
400	invalid_signature	Token signature is invalid
500	internal_server_error	An error occurred while adding this user
401	unauthorized	Insufficient Roles
401	unauthorized	Consent Information not accepted

Example

```
curl \
-i -H "Accept: application/json" \
```



```
-H "Content-Type: application/json" \  
-X POST -d '{"value': 'any'}' \  
-H 'authorization: Bearer YOUR_API_TOKEN' \  
'https://ws.msregistry.s3it.uzh.ch/api/v1.0/survey'
```

Response

```
{  
  "success": true  
}
```