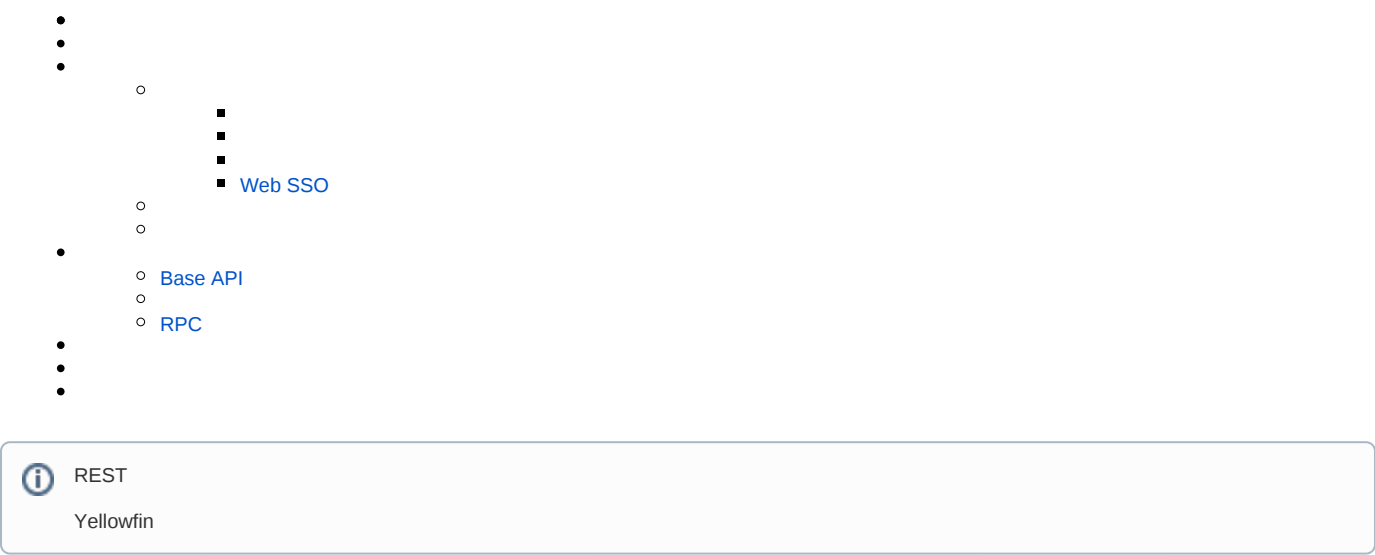


REST API



YellowfinREST APIYellowfinJS APISOAP API

API () /Yellowfin

API

- Yellowfin
- Web Yellowfin
- Yellowfin

REST API/api https://yellowfin.myapp.com/api/stories

RPC (Remote Procedure Call:) REST/api/rpc

API

YELLOWFIN ts=1600224140615 nonce=3370ddc4-37d9-41b9-9f24-ada181fdc4bf token=securityToken

YELLOWFIN	Yellowfin YELLOWFINBigFishReportingBIGFISHREPORTING
ts	197011000UTCUNIXAPI
nonce	UUID
token	()

APIAccept

- API
- APIJSONv1 JSONapplication/vnd.yellowfin.api-v1+json
- APIv1Yellowfin APIv2

API2

	JSON Web Token (JWT)20API

API_links_links

-
- href
- optionsHTTPGETPOSTcommentsDELETE

```
"_links": {
  "menu": {
    "href": "/api/menus/mobile-menu",
    "options": [
      "GET"
    ]
  },
  "self": {
    "href": "/api/stories/fcf269b0-0e14-4d15-919b-712b4143fb70",
    "options": [
      "GET"
    ]
  },
  "comments": {
    "href": "/api/stories/fcf269b0-0e14-4d15-919b-712b4143fb70/comments",
    "options": [
      "GET",
      "POST"
    ]
  },
  "share": {
    "href": "/api/stories/fcf269b0-0e14-4d15-919b-712b4143fb70/content-shares",
    "options": [
      "POST"
    ]
  }
}
```

API_embedded

```
"_embedded": {
  "thumbnail": {
    "isPlaceholder": false,
    "_links": {
      "self": {
        "href": "/api/images/101170?thumbSize=THUMB_240_140&imageLoadType=IMAGE_THUMBNAIL",
        "options": [
          "GET"
        ]
      }
    }
  }
}
```

API

- base /apiapiapi
- (REST API)

REST API

REST

1. HTTPPOSTPOST

POST

http://localhost:8080/api/refresh-tokens

ParamsAuthorizationHeaders (12)BodyPre-request ScriptTestsSettings

Headers9 hidden

KEY	VALUE
☒ Authorization	YELLOWFIN ts=1600238168493, nonce=3370ddc4-37d9-41b9-9f24-ada181fdc4bf
☒ Content-Type	application/json
☒ Accept	application/vnd.yellowfin.api-v1+json;
Key	Value

2. URLURLhttp://yellowfin.myapp.com/api/...IPhttp://127.0.0.1/api/...)http://yellowfin.myapp.com:8080/api/...

POST

http://localhost:8080/api/refresh-tokens

ParamsAuthorizationHeaders (12)BodyPre-request ScriptTestsSettings

Headers9 hidden

KEY	VALUE
☒ Authorization	YELLOWFIN ts=1600238168493, nonce=3370ddc4-37d9-41b9-9f24-ada181fdc4bf
☒ Content-Type	application/json
☒ Accept	application/vnd.yellowfin.api-v1+json;
Key	Value

3. API

POST

http://localhost:8080/api/refresh-tokens

ParamsAuthorizationHeaders (12)BodyPre-request ScriptTestsSettings

Headers9 hidden

KEY	VALUE
☒ Authorization	YELLOWFIN ts=1600238168493, nonce=3370ddc4-37d9-41b9-9f24-ada181fdc4bf
☒ Content-Type	application/json
☒ Accept	application/vnd.yellowfin.api-v1+json;
Key	Value

4. JSONJSON

Web SSOPOST (REST SSO) Web

- JSON

POST http://localhost:8080/api/rpc/login-tokens/create-sso-token

Params Authorization Headers (12) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "signOnUser": {
3     "userName": "tom.sawyer@yellowfin.com.au", Credentials of the user being logged-in
4     "password": "tom'sPassw0rd",
5     "clientOrgRef": "" Set it to blank to login to the default org
6   },
7
8   "noPassword": false, true if no-password SSO is enabled
9   "adminUser": {
10    "userName": "admin@yellowfin.com.au", Admin user's credentials
11    "password": "test"
12  }
13 }
```

- API

Body Cookies (1) Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "securityToken": "2ce4ca3c9d81d85387a83f93291fd5cd",
3   "_links": {
4     "self": {
5       "href": "/api/rpc/login-tokens/terminate-sso-token/ee0bc15d-dca7-4b26-85e2-d0982d888fd5",
6       "options": [
7         "POST"
8       ]
9     }
10  }
11 }
```

- Yellowfin Web UIJavaScript API

- HTTPPOST
- URL
- token

POST http://localhost:8080/api/access-tokens

Params Authorization Headers (11) Body Pre-request Script Tests Settings

Headers 8 hidden

KEY	VALUE
☒ Authorization	YELLOWFIN ts=1600238721870, nonce=3601cfca-8be5-4c48-bfda-187a0328ca32, token=iCdu/NpJLWFwAfQ158RLI/9mNIYBR28GGUZ49b8N5Zkjrwkf2jFVLmdXQ8mX58CgQhqlM0cCZpz6H5mfqUsU0oEgM6EdlGY11WlvAwYixKFp2EBDDedlhZ8Hj+Mp+QjfNAYr5+uqasKFzWucHEUCVNeTjtO5iy25Jgv1fbauVm4rXy+v8F6gWm++RYMMi8cHHg xWE5suDMCA0jkHbQSWziCN5AQz+txuxwj8MmBxBcJESsZdaG8EW05Fy6ry/dsT/geB Mz9A/XEETacBjTW++1XSkGDyE1a62VVfLE3lWFy9nHftN/ovr1ot874AnMAtSRfpnF9Lzo3BE7ghPHjXA== Refresh Token
☒ Content-Type	
☒ Accept	
Key	

API

(SLO: Single Log-off) /refresh-tokens ID
() ID/login-tokens DELETE Web SSOSLO

POST/refresh-tokens REST APIPOST/refresh-tokens _links

Body Cookies (1) Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "securityToken": "iCdu/NpJLWfWafQ158RL1/9mN1YBR28GGUZ49b8N5Zkjrwkf2jFVLmdXQ8mX58CgQhq1M0cCZpz6H5mfqUsU0oEgM6EdIG
3   +RYMMi8cHHgxwE5suDMCA0JkHbQSWziCN5AQz+tquxwj8MmBXBcJESsZdaG8EW05Fy6ry/dsT/geBMz9A/XEETacBJbTW++1XSkGDyE1a62V
4   "_links": {
5     "menu": {
6       "href": "/api/menus/mobile-menu",
7       "options": [
8         "GET"
9       ]
10    },
11    "self": {
12      "href": "/api/refresh-tokens/100015",
13      "options": [
14        "DELETE"
15      ]
16    }
17  },
18 }
```

Refresh Token

selfDELETEDELETE/refresh-tokensREST API
token

DELETE http://localhost:8080/api/refresh-tokens/100015 Refresh Token ID

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Headers 7 hidden

KEY	VALUE
Authorization	YELLOWFIN ts=1600239485022, nonce=1625c69b-6d52-4cd3-9ebe-0262d99e261f, token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzUxMiJ9.eyJjbGllbnQiOiIibXlicm9sZSIsImVudCI6ImN1YBR28GGUZ49b8N5Zkjrwkf2jFVLmdXQ8mX58CgQhq1M0cCZpz6H5mfqUsU0oEgM6EdIG+RYMMi8cHHgxwE5suDMCA0JkHbQSWziCN5AQz+tquxwj8MmBXBcJESsZdaG8EW05Fy6ry/dsT/geBMz9A/XEETacBJbTW++1XSkGDyE1a62V", MywicGVyc29uljoiNSJ9.N-S32iECYLWxM2ulRynjxBisOyk6Dh9S6L45trH75kLMZMrZjuIMLsj6LA9x-fCpFxbwDH4CFdeZsqZwpPkEpQ Access Token
Content-Type	
Accept	
Key	

Body Cookies (1) Headers (4) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "_links": {
3     "login": {
4       "href": "/api/refresh-tokens",
5       "options": [
6         "POST"
7       ]
8     }
9   }
10 }
```

API

Base API

RESTAPIAPIAPI () ()

 RESTAPI

JSON ([REST API](#)) _links_embedded

JSON/metadata [REST API](#)

APIJSON[REST API](#)

RPC

RPC (Remote Procedure Call:) (RPC [REST API](#)) REST RPCPOST

RESTSOAPWeb RESTful

POST2

- application/form-dataform-dataform-dataJSON
- JSON

[REST API](#)

APIREST APIREST API

1. API
 - base/api GET ([Base API](#)) APIAPI
 - base/api 1.01.11.01.1100% () 404v1v1.1
- 2.
- 3.
4. API

- - ±5API

GET localhost:8080/api/stories

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Headers 7 hidden

KEY	VALUE
Authorization	YELLOWFIN ts=1598348855338, nonce
Accept	application/vnd.yellowfin.api-v1+json
Content-Type	application/json
Key	Value

Body Cookies (1) Headers (6) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 403,
3   "reason": "CLOCK_SKEW"
4 }
```

- API

GET localhost:8080/api/stories

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Headers 7 hidden

KEY	VALUE
Authorization	YELLOWFIN ts=1600240721743, nonce=f26dbcbb-8de8-4882-8ad7-f1a789028e69, token=eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzUxMiJ9.eyJjbGlnbnQiOiJxIiwicm9sZSI6IiIGQURNSU4iLCJleHAiOiJlMMDyNDAwMjM1bnRlaj9xMDAwMTU5mlhdCI6MTYyMDIzODgyMywiczGVyc29uIjo1NSJ9.N-S32IECVLWxM2ulRynJxBisOyk6Dh956L45trH75kLMZMrZjuiMLsJ6LA9x-fCpFxbwDH4CFdeZsqZwpPkEpQ Expired Access Token
Accept	
Content-Type	
Key	Value

Body Cookies (1) Headers (6) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 401,
3   "reason": "EXPIRED_TOKEN"
4 }
```

-

POST http://localhost:8080/api/refresh-tokens

Params Authorization Headers (12) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

```
1 {
2   "userName": "wrongadmin@yellowfin.com.au",
3   "password": "wrongpassword",
4   "clientOrgRef": "test"
5 }
```

Body Cookies (1) Headers (3) Test Results

Pretty Raw Preview Visualize JSON

```
1 {
2   "code": 401,
3   "reason": "INVALID_CREDENTIALS",
4   "description": "COULD_NOT_AUTHENTICATE_USER"
5 }
```

- Accept API

GET localhost:8080/api/stories

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Headers 7 hidden

KEY	VALUE
Authorization	YELLOWFIN ts=1600241123844, nonce=d40147ec-b06d-4b28-9363-689c30797ae5
Accept	application/vnd.yellowfin.api-v1+json
Content-Type	application/json
Key	Value

Body Cookies (1) Headers (5) Test Results

Pretty Raw Preview Visualize JSON

```

1 {
2   "code": 400,
3   "reason": "UNKNOWN_VERSION"
4 }

```

- GET /stories/uuidAPI401 Unauthorized error

GET localhost:8080/api/stories/uuidAPI401

Params Authorization Headers (10) Body Pre-request Script Tests Settings

Headers 7 hidden

KEY	VALUE	DESCRIPTION
Authorization	YELLOWFIN ts=1600242505268, nonce=2e3a0f5d-01ed-4c3f-9631-5058a6d10abf, ...	
Accept	application/vnd.yellowfin.api-v1+json	
Content-Type	application/json	
Key	Value	Description

Body Cookies (1) Headers (4) Test Results

Pretty Raw Preview Visualize Text

Status: 401 Unauthorized

- CORS - CORSREST APIWebREST
- SSO - Org ReferencenoPasswordYellowfin

INSERT INTO Configuration values (1, 'SYSTEM', 'SIMPLE_AUTHENTICATION', 'TRUE');

POST http://localhost:8080/api/rpc/login-tokens/create

Params Authorization Headers (12) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw

```

1 {
2   "signOnUser": {
3     "userName": "tom.sawyer@yellowfin.com.au",
4     "password": "tom'sPassw0rd",
5     "clientOrgRef": ""
6   },
7   "noPassword": true,
8   "adminUser": {
9     "userName": "admin@yellowfin.com.au",
10    "password": "test"
11  }
12 }
13

```

- Error 500 Internal Server Error -

REST

Yellowfin