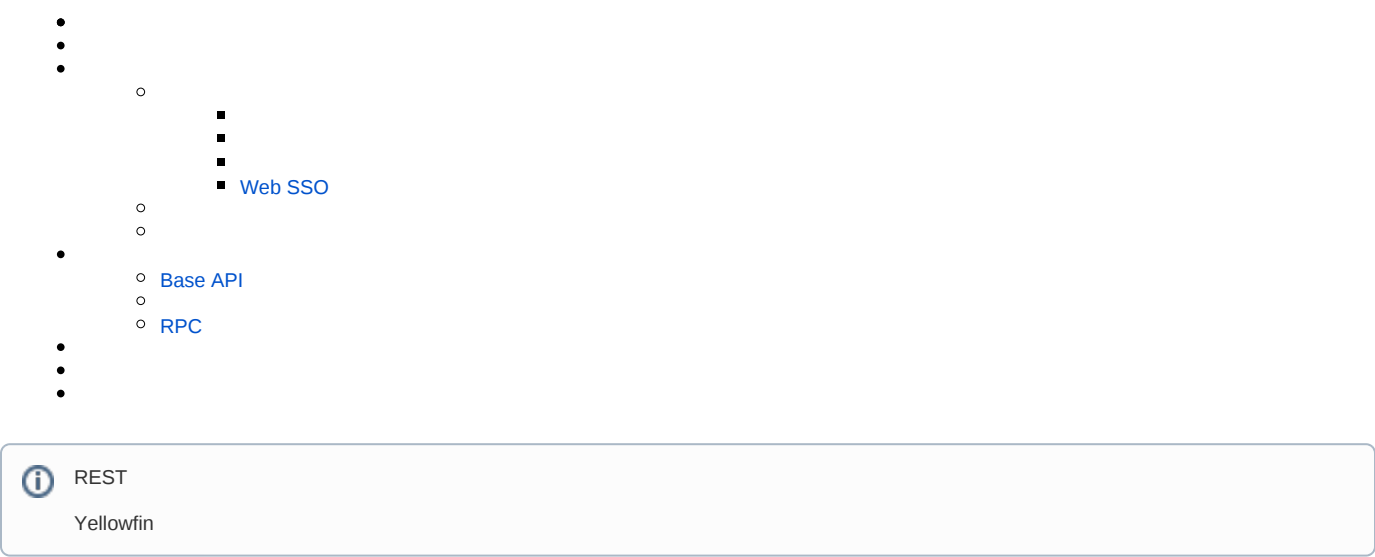


REST API



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

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": "admin@yellowfin.com.au",
3   "password": "test",
4   "clientOrgRef": "test"
5 }

```

Leave blank if you're logging-in to the default org

_embedded

Pretty Raw Preview Visualize JSON

```

1 {
2   "securityToken": "1Cdu/tp3lUwFQ158RL1/9WtYB8286G0C49bB8Zs1wK21FVLmKQ8wX5CgDnQ18Kc7Zp8m5mFqj5ubdgmE64T0V11uVwV1xKf2ERD0edINZBh1mQ=Q1Phayr5+uqasKF2aucHEUCWet1t051v251g3fbaulmKry+u8F6gim+
3     +8VWt18cmguE5s0PCAB3hBQGu1CH8AQ+tdquw18wB8C1E5s2da08E05f6ry/ds77geBt39A/XEETac87bTiu+1K5a0yE1a62VVF1E31uWfY0nHfU/ovr1ot874AmW58FpnF9Lco38E7gnPHOXa+",
4   "_links": {
5     "menu": {
6       "href": "/api/menus/mobile-menu",
7       "options": {
8         "GET": true
9       }
10    },
11    "self": {
12      "href": "/api/refresh-tokens/180015",
13      "options": {
14        "DELETE": true
15      }
16    }
17  },
18  "_embedded": {
19    "accessToken": {
20      "securityToken": "ey30eXA1O1KV1Q1C3h0c1017Iu0wN19.eyJ3bG11bmQ1O1x1w1w9s25161110QURNSU41C31eW10JE2J0AYHtgc3csInR1JowDAmFUsImndI6HfYw01yHzEzYwLc0Yvc29u1Jo1NS19.
21        f_3P0u0m2Zc5phzE11c0EAcqUfVr2Nb3y3ak1IFq10EYsYU4mEP-3zo18Xo6BR3Q_v_Rh2K63m40c3Ia-kg",
22        "expiry": 1200,
23        "_links": {
24          "menu": {
25            "href": "/api/access-tokens",
26            "options": {
27              "GET": true
28            }
29          }
30        }
31      }
32    }
33  }
34 }

```

Refresh Token

Access Token



self

APIREST API (SSO) RESTREST () APISSO REST (SSO no Password SSO)

Web SSO POST (REST SSO) Web

Web SSO

Web JavaScript APIREST APIWeb SSO (REST API) 3

	/login-tokensWeb SSO
REST	JS APIWeb
	/rpc/login-tokens

APIWeb SSO2API YellowfinRPC POST /login-tokens/create-sso-token

- HTTPPOSTURL/login-tokens/create-sso-token
-

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

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

Headers 9 hidden

KEY	VALUE
☒ Accept	application/vnd.yellowfin.api-v1+json;
☒ Content-Type	application/json
☒ Authorization	YELLOWFIN ts=1600237189247, nonce=ad269b0-0e34-4d15-919b-512e4143fb71
Key	Value

- 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+qquxwj8MmBXBcJESsZdaG8EW05Fy6ry/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+qquxwj8MmBXBcJESsZdaG8EW05Fy6ry/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.eyJjbGlnbnQiOiJxIiwicm9sZSI6IiIGQURNSU4iLCJleHAiOiJlMjMDAwNDAwMjM1IiwiaWF0IjoxNjA0MjM1MDAwMDAwMTU5mlhdCI6MTYyMDIzODgyMywiczGVyc29uIjo1NSJ9.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