General Information

The Yellowfin REST API is designed to allow for the Server code and Client code to evolve independently. This means Yellowfin will support API Clients developed using an earlier version of the API, even as new versions of the API are released. For example, Yellowfin 9.14 has REST API v3, but API v1.0 - 2.2 will work alongside it - API Clients developed using v1.3 would not need to change to work with Yellowfin 9.14.

The REST API versioning scheme uses major and minor version numbers.

- When new endpoints are added, or parameters are added to an existing endpoint request, or if fields are added to an existing endpoint response, the minor version of the API is incremented. API Clients can use the new version of the API without requiring any change. If an API Client was developed using v1.2, it will work with v1.3 as well.

- When there is a breaking change to an API such as when an endpoint is removed, or the endpoint request structure or data type is changed, or if a response field is removed or renamed, the major version of the API is incremented. API Clients cannot use the new version without refactoring to cater for the breaking changes. However, API Clients can continue to use the old version without any change. If an API Client was developed using v1.2 in Yellowfin 8, it can continue to use v1.2 of the API in Yellowfin 9.14.

- Defect fixes will not result in an API version change unless a breaking change is required to fix the defect.

API clients can decide which API version to consume using the HTTP `Accept` header. For example in Yellowfin 9.14, API Clients can pass `Accept=application/vnd.yellowfin.api-v2.2+json` to use the v2.2 REST API and `Accept=application/vnd.yellowfin.api-v3.0+json` to use the v3 REST API. As this header needs to be passed in each request, the API client may choose to consume v2.2 of one endpoint and v3 of another.

Migrating from v2.2 to v3.0

Yellowfin 9.14 comes with REST API v3.0. While there are a few new endpoints, this section is for listing the breaking changes which have necessitated a change in the major version. The following endpoints have breaking changes between the two versions:

- `GET     /admin/users`
- `POST    /admin/users`
- `GET     /admin/users/{userId}`
- `PATCH   /admin/users/{userId}`
- `PUT     /admin/users/{userId}/password`
- `GET     /users/{userId}`
- `PATCH   /users/{userId}`
- `GET     /rpc/users/user-details-by-email/{email}`
- `GET     /rpc/users/user-details-by-username/{username}`

The JSON objects returned by these endpoints have changed to adopt a more uniform definition for Users. In v2.2 and prior, the `/admin/users` endpoints had a significantly different structure for Users than `/users`.

Change Details

1. The breaking change in the response of the following endpoints, is the removal of the `name` field. This has been replaced by `firstName` and `lastName` fields. There are several new fields, but they do not cause any incompatibility when going from v2.2 and v3.0.

   - GET   /users/{userId}
   - PATCH   /users/{userId}
   - GET   /rpc/users/user-details-by-email/{email}
   - GET   /rpc/users/user-details-by-username/{username}

2. The request structure of the following endpoint has changed to support updating more fields.
   - PATCH   /users/{userId}

   Prior to v3.0, this endpoint would only allow the user's title and description to be updated, whereas now it accepts a JSON object in the Request Body for updating their First Name, Last Name, Time Zone, Job Title, Preferences etc.

3. There are several breaking changes in the response of the following endpoints:
   - GET   /admin/users
   - POST   /admin/users

   The changes are:
   a. Field `ipId` has been renamed as `userId`
   b. Field `userId` has been renamed as `userName`
   c. The field `initial` will not be returned if it is empty
   d. The links for `password`, `resetPassword`, `userSessions` and `orgAccess` have been removed. These links are accessible in `/admin/users/{userId}`
   e. There are several new fields, but they do not cause incompatibility when going from v2.2 and v3.0.

```
{                                                              {
    "userId": 5,                                                   "ipId": 5,
    "lastName": "Administrator",                                   "lastName": "Administrator",
    "firstName": "System",                                         "firstName": "System",
    "roleCode": "YFADMIN",                                         "roleCode": "YFADMIN",
    "userName": "admin@yellowfin.com.au",                          "userId": "admin@yellowfin.com.au",
    "status": "ACTIVE"                                             "status": "ACTIVE"
    "email": "admin@yellowfin.com.au",                             "initial": "",
    "preferredLanguageCode": "",
    "timeZoneCode": "AUSTRALIA/SYDNEY",
    "title": "Admin",
    "userPreferences": {
        "entryPage": "BROWSE",
        "draftContentItemCount": 5,
        "recentContentItemCount": 5,
        "retainContentTypeFilterOnBrowsePage": false,
        "allowUsersToConnect": "ALLOW",
        "allowUsersToViewTimeline": "ALLOW",
        "allowUsersToPostOnTimeline": "ALLOW"
    },
    " links": {                                                    " links": {
```

4. The request structure of the following endpoint has changed to support more fields during user creation.
    - POST   /admin/users

    The User object's schema changes, as detailed above, should be used in the request body of this endpoint.

5. There are several breaking changes in the response of the following endpoints:

    - GET   /admin/users/{userId}
    - PATCH   /admin/users/{userId}

    The changes are:
    a. Field ipId has been renamed as userId
    b. Field userId has been renamed as userName
    c. Field languageCode has been renamed as preferredLanguageCode
    d. Field emailAddress has been renamed as email
    e. There are several new fields, but they do not cause incompatibility when going from v2.2 and v3.0.

```
{                                                              {
    "userId": 5,                                                   "ipId": 5,
    "lastName": "Administrator",                                   "lastName": "Administrator",
    "firstName": "System",                                         "firstName": "System",
    "preferredLanguageCode": "",                                   "languageCode": "",
    "email": "admin@yellowfin.com.au",                             "emailAddress": "admin@yellowfin.com.au",
    "userName": "admin@yellowfin.com.au",                          "userId": "admin@yellowfin.com.au",
    "roleCode": "YFADMIN",                                         "roleCode": "YFADMIN",
    "timeZoneCode": "AUSTRALIA/SYDNEY",                            "timeZoneCode": "AUSTRALIA/SYDNEY",
    "status": "ACTIVE",                                            "status": "ACTIVE",
    "title": "Admin",
    "userPreferences": {
        "entryPage": "BROWSE",
        "draftContentItemCount": 5,
        "recentContentItemCount": 5,
        "retainContentTypeFilterOnBrowsePage": false,
        "allowUsersToConnect": "ALLOW",
        "allowUsersToViewTimeline": "ALLOW",
        "allowUsersToPostOnTimeline": "ALLOW"
    },
    " links": {                                                    " links": {
```

6. The request structure of the following endpoint has changed to support more fields during user updates.
    - PATCH   /admin/users/{userId}

    The User object's schema changes, as detailed above, should be used in the request body of this endpoint.