MAGICBOX API GUIDE

1. MagicBox API Overview

If you're interested in integrating your System with MagicBox then you'll certainly be using our REST based Data API. You can explore MagicBox REST services on below link

http://api.getmagicbox.com/apiexplorer/index.jsp

Restful web services are available for all major user and license management entities. These APIs interfaces will give you flexibility to create Users and generate Licenses for these users without logging into the Admin interface.

2. Introduction

This document provides the steps for creating users, licenses and assigning license to users using the API restful services in MagicBox. Using the APIs, one would be able to consume web services to create a School Workflow in MagicBox that can also be achieved via the user interface.

The APIs are divided into two parts - User Management API and License Management API. User Management API caters to the creation, updating and deletion of the users whereas the License Management API caters to the license creation, updating, disabling, deletion and assignation of the license.

These APIs interfaces provide flexibility to create Users and generate Licenses without logging into the Admin interface.

3. API List

Below is the list of user and license management APIs:

- School related APIs
  - Add school
  - Update school
  - Delete school
  - Get school id

- Class related API
  - Add class
  - Update class
  - Delete class

    - Get class id

- User Management API
    - Add user
    - Update user
    - Delete user
    - Get user info

- School License / Access Code API
    - Add license / access code
    - Update license / access code
    - Disable license / access code
    - Delete license / access code
    - Consume license

- User Management API allows to create following types of users:
    - Publisher
    - School Administrators
    - Teachers
    - Students
    - Individual Teachers i.e. teachers not associated with any school, this user requires you to pass a valid access code
    - Individual Students i.e. students associated to individual teachers
    - Individual Users i.e. users who have directly purchased content from publishers, this user requires you to pass a valid access code

4. MagicBox REST MVC Service Calls Workflow Example

The following API sequence shows an example of a publisher's workflow when adding a user to a School. Each of the REST MVC calls performs an action that propels the publisher through the workflow. Note that depending on the actions required, the process may flow differently.

- Provide Token in request URL (as shared by Magic)
- Create Publisher (Optional) (/user/v1.0/addadmin)
- Create School (/school/v1.0/add)
- Create School Admin (/user/v1.0/addadmin)
- Create Class (/school/v1.0/class/add)
- Create a Purchase Order (License) (/license/v1.0/createlicense)
- Create Teachers / Students (/user/v1.0/add)
- Assign License to the Teachers / Students (/license/v1.0/consumelicense)

5. API Responses

Response Code	Meaning	Action
200	Success	Process the response
401	User cannot access the resource.	Check your API token.
402	Invalid input parameters provided in User API	Please see API message and correct you input parameter accordingly.
403	Not a valid user type	Please refer to model schema for correct User types
500	Server Error. API failure	Please wait and try again.
701	Invalid input parameters provided in License API	Please see API message and correct you input parameter accordingly.
703	PO number is either invalid or inactive or Invalid License type provided	Please correct input parameter
725	Start Date cannot be greater than Expiry Date	Please correct your date parameters
730	Invalid product code(s).	Please verify and try again.
771	License exhausted.	Please contact Magic to get more licenses