Product API Overview

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Product

Tags: API

Eyelit offers integration with third-party applications through the use of a Public API. A series of endpoints are exposed and can be called by an external system (normally a middleware provider) to make changes directly within a given instance of the Eyelit software. The calls to these endpoints are performed through the use of pre-formatted JSON packets and are authorised through OAuth 2.0. For detail on the authorisation process, see Authentication

This documentation provides technical information on the endpoints available to call through the Eyelit MES Public API relating specifically to the 'Product' functionality. The endpoints covered are listed in Table 1.

Table 1: Summary of Product-Related Public API Endpoints

API Endpoint	High Level Description
/api/ProductType/List	Reads existing Product Types within Eyelit MES and returns a payload
/api/ProductType/Upsert	Creates a Product Type or updates a Product Type that already exists within Eyelit MES
/api/ProductType/Delete	Deletes an existing Product Type if it has not been used
/api/ProductGroup/List	Reads existing Product Groups within Eyelit MES and returns a payload
/api/ProductGroup/Upsert	Creates a Product Group or updates a Product Group that already exists within Eyelit MES
/api/ProductGroup/Delete	Deletes an existing Product Group if it is not currently in use
/api/Product/List	Reads existing Products within Eyelit MES and returns a payload
/api/Product/Upsert	Creates a Product or updates a Product that already exists within Eyelit MES
/api/Product/Delete	Deletes an existing Product if it has not been used
/api/Product/Copy	Copies product from a template product
/api/ProductGroup/AssignProducts	Assigns a Product to a Product Group
/api/ProductGroup/UnassignProducts	Unassigns a Product from a Product Group

The documentation also covers a sample use case for a product interface and presents a sample flow diagram representing business logic.

Suggested New and Updated Product Process

Phase

Auth Token

Oauth 2.0
Grant Type: Password Credentials
Access Token URL: https://[Customer].mestec.net/Token
Username: [MESTEC username]
Password: [MESTEC Password]

12 Hour → Token Expiry

Product

Product Upsert

Product Type (Required)

Product Type List → Product Type Found → No → Product Type Upsert

Yes

Product Group (Optional)

Product Group List → Product Group Found → No → Product Group Upsert

Yes