

## Document Version

Author	Version	Date	Notes
Len Guerrier	1	28/11/2023	
Len Guerrier	2	02/01/2024	Updated endpoint URL to ensure request signatures can be identified.
Len Guerrier	3	12/02/2024	Added email as an option to check if an employee exists. Add create employee endpoint
Len Guerrier	4	23/05/2024	Renamed pagination parameter names to camel-case format without dashes.
Len Guerrier	5	24/05/2024	Simplified endpoint URL all employee queries -> employees and all training queries -> training. Using method to clarify request.
Len Guerrier	6	24/05/2024	Added validation to POST employee request fields. Added instructions for testing tool.
Len Guerrier	7	28/05/2024	Added lengths to datatypes for validation.
Len Guerrier	8	04/06/2024	Status object id becomes optional. Added specification for location endpoints.
Len Guerrier	9	28/06/2024	Corrected spelling and incorrect example for location 'Specific'
Len Guerrier	10	16/08/2024	Added delete and hide employees. Added more fields including avatar to employee post and patch. Added a switch to include avatar in get employees.
Len Guerrier	11	03/09/2024	Added delete avatar and updated hide employee to set or unset the hide status.
Len Guerrier	12	24/09/2024	Added the Master switch for GET training.
Len Guerrier	13	27/09/2024	All date and time fields must include time (no longer optional).
Len Guerrier	14	09/10/2024	Renamed the pageNumber parameter to pageNo.
Len Guerrier	15	24/10/2024	Added Cache-Control to response header. End points are no longer case sensitive.
Len Guerrier	16	17/02/2025	Added meta codes for modules and corresponding access levels. Added permissions and roles to employee PATCH and POST.
Len Guerrier	17	11/03/2025	Fixed issue with roles clearing when roles parameter not supplied with employee PATCH. Updated PATCH definition how to clear existing entries.

## Overview

The VISION Client API is a RESTful service that can be accessed at <https://api.visionmp.co.uk> followed by an endpoint detailed below.

## Requests

All requests should use the JSON format for all submitted data. The Content-Type should be set to: `application/json`

## Authentication

An API token can be created within the VISION settings area. Every request must supply this API token.

You can send the token in a header as follows:

**Authorization: Bearer API\_TOKEN**

Alternatively, the token can be used as a URL query parameter as follows:

[https://api.visionmp.co.uk/endpoint?authentication=API\\_TOKEN](https://api.visionmp.co.uk/endpoint?authentication=API_TOKEN)

### Data fields

Each API method has its own set of fields which are detailed below. The response from the method is also detailed below.

### Response Format

The Content-Type of the response will be `application/json`. Either an array of objects for multiple results or a single object for an individual result.

### Pagination

If the response data is a list of multiple objects, we will return a pagination object containing the `currentPageNumber`, `totalPages`, `pageSize`. A `pageNo` parameter can be included in the request to retrieve further pages. A `pageSize` parameter can be included in the request up to 200. The default will be set to 100.

### Testing Tool

To help test our API, we have a test tool where you can perform all methods and endpoints by adding required/optional parameters. You must include your `API_TOKEN` when using this tool.

[https://api.visionmp.co.uk/test?authentication=API\\_TOKEN](https://api.visionmp.co.uk/test?authentication=API_TOKEN)

### Endpoints

Each endpoint below is preceded with one of the following HTTP methods: GET, POST, PATCH or DELETE.

#### GET meta-codes

<https://api.visionmp.co.uk/meta-codes>

Returns lookup data relevant to other queries. For example, a list of training types, and training statuses.

## POST/PATCH employees

<https://api.visionmp.co.uk/employees>

To add a basic employee onto VISION.

### Request Fields

Field	Type / Length	Validation
UserId	Int	For PATCH Required
Firstname	String / 100	Required for POST
Lastname	String / 100	Required for POST
Email	String / 100	Optional
EmployeeID	String / 100	Optional
Avatar	Document Object, delete	Optional
JobTitle	String / 100	Optional
ReportsTo	String ([UserId, Userid...]) *	Optional
Locations	String ([LocationId, LocationID...]) *	Optional
Roles	String ([RoleId, RoleId...]) *	Optional
Permissions	Array of Permission Objects	Optional

\* leave empty or specify [] to remove existing entries.

### Response Fields

Field	Type
UserID	Int
Firstname	String
Lastname	String
Email	String
EmployeeID	String

### Permission Object

Using permissions replaces all permissions for the employee. If module ids are not included in the array then access is set to 'No Access'.

Field	Type
Id	Int (from meta codes / modules)
Acc	Float (from meta codes / modules)

## GET employees

<https://api.visionmp.co.uk/employees>

Returns active customer employees. Specifying a UserID or Email in the request will return a single employee object.

### Request Fields

Field	Type / Length	Validation
UserID	Int / 11	Optional
Email	String / 100	Optional
IncludeAvatar	Boolean (true/false or 1/0)	Optional

#### Response Fields

Field	Type
UserID	Int
Firstname	String
Lastname	String
Email	String
EmployeeID	String
Avatar (when requested)	Binary (base64)
JobTitle	String
ReportsTo	String
Locations	String

#### DELETE employees

<https://api.visionmp.co.uk/employees>

Returns active customer employees. Specifying a UserID in the request will return a single employee object.

#### Request Fields

Field	Type / Length	Validation
UserID	Int / 11	Optional

#### Response Fields

Field	Type
UserID	Int
Firstname	String
Lastname	String
Email	String
EmployeeID	String

#### PATCH employees/hide

<https://api.visionmp.co.uk/employees/hide>

Specifying a UserID and the request will return a single employee object.

#### Request Fields

Field	Type / Length	Validation
UserID	Int / 11	Required
Hide	Boolean (true/false or 1/0)	Required

#### Response Fields

Field	Type
UserID	Int
Firstname	String
Lastname	String
Email	String
EmployeeID	String

## GET training

<https://api.visionmp.co.uk/training>

Returns employee training. Specifying a UserID in the request will return a list of training objects for that employee. Specifying a TrainingID will return a single training object. Using the Master switch will return training in the master record.

### Request Fields – Mutually Exclusive

Field	Type / Length	Validation
UserID	Int / 11	Optional
TrainingID	Int / 11	Optional
IncludeDocuments	Boolean (true/false or 1/0)	Optional (Default false)
Master	Boolean (true/false or 1/0)	Optional

### Response Fields

Field	Type
TrainingID	Int
UserID	Int
TrainingName	String
Accredited	String
Type	Int (from meta-codes)
Category	String
DateAdded	DateTime
Notes	String
Status	Array of Status Objects ordered by statusDate
Documents	Array of Document Objects

### Status Object

Field	Type / Length
StatusID	Int / 11 (optional)
StatusDate	DateTime / (YYYY-MM-DD HH:MI:SS time optional)
dateStart	DateTime / (YYYY-MM-DD HH:MI:SS)
dateExpires	DateTime / (YYYY-MM-DD HH:MI:SS)
Status	Int (from meta-codes)
RecDuration	String (0d0m0y) each 0:int /11
Cost	Decimal / (18, 2)
GrantApplied	Boolean (true/false or 1/0)
GrantAmount	Decimal / (18, 2)

### Document Object

Field	Type
Filename	String
Size	Bytes
File	Base64 (Binary)

## POST training

<https://api.visionmp.co.uk/training>

Used to add training to VISION.

### Request Fields

Field	Type / Length	Validation
UniqueReference	String / 255	Optional (custom identifier can be used to validate response)
UserID	Int / 11	Required
TrainingName	String / 100	Required
Accredited	String / 100	Optional
Type	Int / 11 (from meta-codes)	Required
Category	String / 100	Required
DateAdded	DateTime (YYYY-MM-DD HH:MI:SS)	Required
Notes	String / up to 2 GB	Optional
Status	Array of Status Objects	Optional (if blank a To-Do status in VISION is automatically created) (If StatusID is specified it will be ignored and the status will be appended)
Documents	Array of Document Objects	Optional

### Response Fields

Field	Type
UniqueReference	String
TrainingID	Int
TrainingName	String
InputStatus	Int (from meta-codes)

## PATCH training

<https://api.visionmp.co.uk/training>

Used to update training in VISION. Any of the optional fields can be specified in the request body.

### Request Fields

Field	Type / Length	Validation
UniqueReference	String / 255	Optional (custom identifier can be used to validate response)
TrainingID	Int / 11	Required
TrainingName	String / 100	Optional
Accredited	String / 100	Optional
Type	Int (from meta-codes) / 11	Optional
Category	String / 100	Optional
DateAdded	DateTime (YYYY-MM-DD HH:MI:SS)	Optional
Notes	String / up to 2GB	Optional
Status	Array of Status Objects	Optional (If StatusID is specified it will be ignored and the status will be appended)
Documents	Array of Document Objects	Optional (Files will be appended unless filename matches existing where it will overwrite)

### Response Fields

Field	Type
UniqueReference	String
TrainingID	Int
TrainingName	String
UpdateStatus	Int (from meta-codes)

## DELETE training

<https://api.visionmp.co.uk/training>

Used to remove training from VISION including all documents and status history. Any of the optional fields can be specified in the request body.

### Request Fields

Field	Type / Length	Validation
UniqueReference	String / 255	Optional (custom identifier can be used to validate response)
TrainingID	Int / 11	Required

### Response Fields

Field	Type
UniqueReference	String
TrainingID	Int
TrainingName	String
UpdateStatus	Int (from meta-codes)

## DELETE Document

<https://api.visionmp.co.uk/training>

Used to remove a document associated with training record in VISION.

### Request Fields

Field	Type / Length	Validation
UniqueReference	String / 255	Optional (custom identifier can be used to validate response)
TrainingID	Int / 11	Required
Filename	String / 1 - 500	Required

### Response Fields

Field	Type
UniqueReference	String
TrainingID	Int
Filename	String
UpdateStatus	Int (from meta-codes)



## GET Locations

<https://api.visionmp.co.uk/locations>

Returns a list of locations. Using LocationID or Name will return a single location object.

### Request Fields

Field	Type / Length	Validation
LocationID	Int / 11	Optional
Name	String / 255	Optional

### Response Fields

Field	Type
LocationID	Int
Name	String
Map	Boolean
Specific	String
Zoom	Int
GroupName	String

## POST Locations

<https://api.visionmp.co.uk/locations>

Used to add locations to VISION.

### Request Fields

Field	Type / Length	Validation
Name	String / 255	Required
Map	Boolean (true/false or 1/0)	Optional (Default false)
Specific	String ({lat: num, lng: num})	Optional, Required if Map is true.
Zoom	Int (0-22)	Optional, Required if Map is true.
GroupName	String / 255	Optional

### Response Fields

Field	Type
LocationID	Int
Name	String
Map	Boolean
Specific	String
Zoom	Int
GroupName	String

## PATCH Locations

<https://api.visionmp.co.uk/locations>

Used to update a location in VISION.

### Request Fields

Field	Type / Length	Validation
LocationID	Int / 11	Required
Name	String / 255	Optional
Map	Boolean (true/false or 1/0)	Optional (Default false)
Specific	String ({lat: num, lng: num})	Optional, Required if Map is true.
Zoom	Int (0-22)	Optional, Required if Map is true.
GroupName	String / 255	Optional

### Response Fields

Field	Type
LocationID	Int
Name	String
Map	Boolean
Specific	String
Zoom	Int
GroupName	String

## DELETE Locations

<https://api.visionmp.co.uk/locations>

Used to update a location in VISION.

### Request Fields

Field	Type / Length	Validation
UniqueReference	String / 255	Optional
LocationID	Int / 11	Required

### Response Fields

Field	Type
UniqueReference	String
LocationID	Int
Name	String
UpdateStatus	Int (from meta-codes)