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.
Len Guerrier	18	02/10/2025	Added training status PATCH endpoint.
Len Guerrier	19	05/11/2025	Added course_code to training GET, and courseCode to POST and PATCH endpoints.
Len Guerrier	20	24/02/2026	Added Alternative ID to the GET, PATCH and POST employee endpoints.
Curtis Rose-Nicholls	21	04/03/2026	Added Alternative ID to the DELETE employee endpoint
Len Guerrier	22	23/03/2026	Adding days calculation to the Training GET endpoint.
Len Guerrier	23	07/04/2026	Improved error handling for Training Status PATCH endpoint when using course code.
Len Guerrier	24	08/04/2025	Course code duplicate check removed as course codes are no longer unique.
Len Guerrier	25	08/04/2025	Updated Meta Codes with new permission levels.
Len Guerrier	26	22/05/2026	Fixed incorrect query when requesting training endpoint without parameters.
Len Guerrier	27	30/09/2027	Improved validation for training status endpoint.

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

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

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
AlternativeID	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
AlternativeID	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
AlternativeID	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
AlternativeID	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
AlternativeID	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
CourseCode	String
DateAdded	DateTime
Notes	String
Status	Array of Status Objects ordered by statusDate
Days	Calculation of days remaining/overdue for the latest status expiry date.
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)	
Documents	Array of Document Objects	PATCH training/status
URLs	Array of Strings	PATCH training/status

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
CourseCode	String / 100	Optional
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
CourseCode	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)

PATCH training status

https://api.visionmp.co.uk/training/status

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

Request Fields

Field	Type / Length	Validation
TrainingID	Int / 11	Optional
UserID	Int / 11	Optional – can be used instead of Email, if used, you must specify a CourseCode
Email	String / 100	Optional – can be used instead of UserID, if used, you must specify a CourseCode
CourseCode	String / 100	Optional works with UserID or Email.
Status	Array of Status Objects	Required (If StatusID is specified it will be ignored and the status will be appended)

Response Fields

Field	Type
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)