

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. |

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) |