VisualSearch API definition

Version: v1.6
BasePath: 'https://datamachine.nl/visualSearch'

Methods

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`POST /add`

Description

Add an image to the index.

Curl

```
curl --location 'https://datamachine.nl/visualSearch/add' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"' \
--form 'uuid="[UUID]"' \
--form 'file=@"[/PATH/TO/FILE]"'
```

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request headers

apikey (required)

Header Parameter — format: apikey

Query parameters

client (optional)

Query Parameter — format: alphanumeric

uuid (optional)

Query Parameter — format: uuid

file (required)

Query Parameter — supported images formats:

- AVIF
- BLP
- BMP
- CUR
- DCX
- DDS
- DIB
- EPS
- FITS
- FLI, FLC
- FPX
- FTEX
- GBR
- GD
- GIF
- HEIF, HEIC
- ICNS
- ICO
- IM
- IMT
- IPTC/NAA
- JPEG
- JPEG 2000
- MCIDAS

- MIC
- MPO
- MSP
- PCD
- PCX
- PFM
- PIXAR
- PNG
- PPM
- PSD
- QOI
- SGI
- SPIDER
- SUN
- TGA
- TIFF
- WAL
- WebP
- WMF,EMF
- XBM
- XPM

Return type
UUID
Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses
200
OK UUID

400
api_error

`POST /addFilm`

Description

Add a video to the index. During processing, the video is automatically split into scenes. You can save these frames in a dedicated video index or merge them into an existing photo index. Once processing is complete, retrieve the scenes via the `retrieveScenes` API call with the supplied UUID from the addFilm call.

Curl

```
curl --location 'https://datamachine.nl/visualSearch/addFilm' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"' \
--form 'uuid="[UUID]"' \
--form 'file=@"[/PATH/TO/FILE]"'
```

Consumes

This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request headers

apikey (required)

Header Parameter — format: apikey

Query parameters

client (optional)

Query Parameter — format: alphanumeric

uuid (optional)

Query Parameter — format: uuid

file (required)

Query Parameter — supported video codecs:

- .3GP
- .4XM
- .AGM
- .AMV
- .ANIM
- .ANM
- .ANS
- .APV
- .ASF
- .AVI
- .AVS
- .BFI
- .BIK
- .BK2
- .BMV
- .C93
- .CDG
- .CDT
- .CDXL
- .CIN
- .CMV

- .DFA
- .DIF
- .DRC
- .DV
- .DXA
- .EVO
- .F4V
- .FLC
- .FLI
- .FLV
- .GDV
- .H261
- .HEVC
- .HNM
- .IFF
- .ILBM
- .IMM
- .IMM4
- .JV
- .KGV
- .KMV
- .M1V
- .M2TS
- .M2V
- .M4V
- .MAD
- .MJ2
- .MJP2
- .MKV
- .MM
- .MMF
- .MOV
- .MP4
- .MPEG
- .MPG
- .MVE
- .MVI
- .MXF
- .MXG
- .MXPEG
- .NUV
- .OGG
- .OGM
- .OGV
- .PAF
- .QPG
- .RL2
- .RM
- .RMVB

- .ROQ
- .RV
- .SAN
- .SEQ
- .SMK
- .STR
- .TGQ
- .TGV
- .THP
- .TMV
- .TQI
- .TS
- .TXD
- .TXT
- .VB
- .VID
- .VMD
- .VOB
- .VQA
- .WEBM
- .WMV
- .XESC
- .Y4M
- .YOP
- .YUV

Return type
UUID
Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `*/*`

Responses
200
OK UUID

400
api_error

`post /createClient`

Description

Create new client index.

Curl

```
curl --location 'https://datamachine.nl/visualSearch/createClient' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"'
```

Request headers

apikey (required)

Header Parameter — format: apikey

Query parameters

client (required)

Query Parameter — format: alphanumeric reserved word: Default

Return type

String

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `*/*`

Responses

200

OK String

400

api_error

503

api_error

`POST /delete`

Description
Delete an image from the index. Returns true if delete command has been executed and false if delete command has not been executed.

Curl

```
curl --location 'https://datamachine.nl/visualSearch/delete' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"' \
--form 'uuid="[UUID]"'
```

Request headers
apikey (required)
Header Parameter — format: apikey
Query parameters
client (optional)
Query Parameter — format: alphanumeric
uuid (required)
Query Parameter — format: uuid
Return type
String
Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `*/*`

Responses
200
String

400
api_error

503
api_error

`post /deleteClient`

Description

The client index will be marked for deletion and will be purged at the next maintenance cycle.

Curl

```
curl --location 'https://datamachine.nl/visualSearch/deleteClient' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"'
```

Request headers

apikey (required)

Header Parameter — format: apikey

Query parameters

client (required)

Query Parameter — format: alphanumeric

Return type

String

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `*/*`

Responses

200

OK String

400

api_error

`POST /getAllUUID`

Description
A paged listing of all uuid's in the index with a maximum 10.000 uuid's per page.

Curl

First page

```
curl --location 'https://www.datamachine.nl/visualSearch/getAllUUID' \
--header 'apikey: [APIKEY]'
--form 'client="[CLIENT]"'
```

Next page

```
curl --location 'https://www.datamachine.nl/visualSearch/getAllUUID' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"' \
--form 'page="[nextPage from previous response]"'
```

Request headers
apikey (required)
Header Parameter — format: apikey

Query parameters

client (optional)
Query Parameter —format: alphanumeric

page (optional)
Query Parameter — format: nextPage from previous response

Return type
UuidResponse

Example data
Content-Type: */*


```
{
  "nextPage" : "nextPage",
  "uuids" : [ "046b6c7f-0b8a-43b9-b35d-6489e6daee91", "046b6c7f-0b8a-
43b9-b35d-6489e6daee91" ]
}
```


Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `*/*`

Responses

200
OK UuidResponse

400
api_error

`POST /getUUID`

Description
Retrieve the information for a single uuid from the specified index. If no index is choosen, then the default index is selected. If the uuid does not exist in the choosen index then the id and name field will be null

Curl
```
curl --location 'https://www.datamachine.nl/visualSearch/getUUID' \
--header 'apikey: [KEY]' \
--form 'uuid="[UUID]"'\
--form 'client="[CLIENT]"'
```

Request headers

apikey (required)
Header Parameter — format: apikey

Query parameters

client (optional)
Query Parameter —format: alphanumeric

uuid (required)
Query Parameter — format: uuid

Return type
GetResponse

Example data
Content-Type: */*

```
{
  "id" : "8adb4d1f-259f-4f6e-8d8a-d3fcd0db4f77",
  "name" : "example.jpg"
}
```

Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `*/*`

Responses
200
OK GetResponse

400
api_error

`POST /retrieve`

Description

Retrieve scores form an image present in the index. The array with results has a maximum length of 200. If the uuid is not present in the index an empty list will be returned.

Curl

```
curl --location 'https://datamachine.nl/visualSearch/retrieve' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"' \
--form 'uuid="[UUID]"'
```

Request headers

apikey (required)
Header Parameter —format: apikey

Query parameters

client (optional)
Query Parameter —format: alphanumeric

uuid (required)
Query Parameter —format: uuid

Return type

array[RankedVector]

Example data

Content-Type: */*

```
[ {
  "score" : 0.8008281904610115,
  "name" : "name",
  "id" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
}, {
  "score" : 0.8008281904610115,
  "name" : "name",
  "id" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
} ]
```

Produces

This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200
OK Rankedvector

400
api_error

503
api_error

`POST /retrieveMultiple`

Description
Retrieve scores form an image present in the selected indexes [clientList]. The array with results has a maximum length of 200 for each index selected. If the uuid is not present in the index an empty list will be returned.

Curl
```
curl --location 'https://datamachine.nl/visualSearch/retrieveMultiple' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"' \
--form 'uuid="[UUID]"' \
--form 'clientList="[CLIENTLIST]"'
```

Request headers

apikey (required)
Header Parameter — format: apikey

Query parameters

client (optional)
Query Parameter — format: alphanumeric. Select the index where the [uuid] can be found. If left blank the Default index is selected

uuid (required)
Query Parameter — format: uuid

clientList (required)
Query Parameter — format: csv list of clients. The default index is addressed as “Default”

Return type
array[RankedVectorList]

Example data
Content-Type: */*


```
[
    {
        "index": "CLIENT NAME",
        "results": [
            {
                "id": "a0f12bac-1ef8-424d-98f4-efcf40a8422e",
                "name": "name",
                "score": 0.4599033296108246
            },
            {
                "id": "a0ad434d-36c6-463b-aef1-69c8a2c94f1a",
                "name": "NAME",
                "score": 0.4510851800441742
            }
        ]
    },
    {
        "index": "CLIENT NAME",
        "results": [
```

```
            {
                "id": "fac226b4-4313-401f-b31d-4205d665dad7",
                "name": "NAME",
                "score": 1.000000238418579
            },
            {
                "id": "fac226b4-4313-401f-b31d-4205d665dad9",
                "name": "NAME",
                "score": 0.5279961824417114
            },
            {
                "id": "fac226b4-4313-401f-b31d-4205d665dad6",
                "name": "3.webp",
                "score": 0.37893128395080566
            }
        ]
    }
]
```


Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `*/*`

Responses

200
OK RankedVectorList

400
api_error

503
api_error

`POST /retrieveScenes`

Description
When a video is indexed, it produces a set of still frames. Each stills entry in de returned list shows its frame number and the scene's start and end times (in seconds). If the video is still being analyzed, the stills list isn't yet available and the status is shown as "Pending."

Curl
```
curl --location 'https://datamachine.nl/visualSearch/retrieveScenes' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"' \
--form 'uuid="[UUID]"' \
```

Request headers

apikey (required)
Header Parameter — format: apikey

Query parameters

client (optional)
Query Parameter — format: alphanumeric. Select the index where the stills can be found. If left blank the Default index is selected

uuid (required)
Query Parameter — format: uuid

Return type
StillList

Example data
Content-Type: */*


```
{
    "film": "4f35a0dc-9bcf-4b99-8e77-5631d1605e38",
    "stills": [
        {
            "uuid": "ff7b0acd-c89f-4892-8e5a-4c22a5f7914a",
            "scenenumber": 1,
            "framenumber": 28,
            "status": "200",
            "beginScene": 0.0,
            "endScene": 1.868
        },
        {
            "uuid": "713212cc-3f68-4607-bbe1-c6c298ea1ac3",
            "scenenumber": 2,
            "framenumber": 70,
            "status": "200",
            "beginScene": 1.868,
            "endScene": 2.836
        },
        {
            "uuid": "5ae7852f-d368-4804-a21f-b585990fe1f5",
            "scenenumber": 3,
            "framenumber": 144,
```

```
            "status": "200",
            "beginScene": 2.8361666666666667,
            "endScene": 6.773
        },
        {
            "uuid": "ef67f91f-8e07-48d5-bb4b-bb3add6f1592",
            "scenenumber": 4,
            "framenumber": 241,
            "status": "200",
            "beginScene": 6.773,
            "endScene": 9.342
        },
        {
            "uuid": "9ce54ecc-0c20-42e9-aa6f-108e2b63962d",
            "scenenumber": 5,
            "framenumber": 291,
            "status": "200",
            "beginScene": 9.342,
            "endScene": 10.110
        }
    ]
}
```


Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `*/*`

Responses

200
OK StillList

400
api_error

503
api_error

```
POST /search
```

Description
Retrieve scores form an image not present in [client] index. The array with results has a maximum length of 200

Curl

```
curl --location 'https://datamachine.nl/visualSearch/search' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"' \
--form 'file=@"[/PATH/TO/FILE]"'
```

Consumes
This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request headers

apikey (required)
Header Parameter — format: apikey

Query parameters

client (optional)
Query Parameter — format: alphanumeric

file (required)
Query Parameter — supported images formats:

- AVIF
- BLP
- BMP
- CUR
- DCX
- DDS
- DIB
- EPS
- FITS
- FLI, FLC
- FPX
- FTEX
- GBR
- GD
- GIF
- HEIF, HEIC
- ICNS
- ICO
- IM
- IMT
- IPTC/NAA
- JPEG
- JPEG 2000
- MCIDAS

- MIC
- MPO
- MSP
- PCD
- PCX
- PFM
- PIXAR
- PNG
- PPM
- PSD
- QOI
- SGI
- SPIDER
- SUN
- TGA
- TIFF
- WAL
- WebP
- WMF,EMF
- XBM
- XPM

Return type
array[RankedVector]

Example data
Content-Type: */*

```
[ {
  "score" : 0.8008281904610115,
  "name" : "name",
  "id" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
}, {
  "score" : 0.8008281904610115,
  "name" : "name",
  "id" : "046b6c7f-0b8a-43b9-b35d-6489e6daee91"
} ]
```

Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `*/*`

Responses

200
OK RankedVector

400
api_error

503
api_error

`POST /searchFace`

Description
Retrieve scores form an image of a face not present in [client] index. The array with results has a maximum length of 200. The boundingbox is the region to be returned as a sequence of percentages of the full image's dimensions. Thus, `x` represents the number of pixels from the 0 position on the horizontal axis, calculated as a percentage of the reported width. `w` represents the width of the region, also calculated as a percentage of the reported width. The same applies to `y` and `h` respectively

Curl

```
curl --location 'https://datamachine.nl/visualSearch/search' \
--header 'apikey: [APIKEY]' \
--form 'client="[CLIENT]"' \
--form 'file=@"[/PATH/TO/FILE]"'
```

Consumes
This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request headers

apikey (required)
Header Parameter — format: apikey

Query parameters

client (optional)
Query Parameter — format: alphanumeric

file (required)
Query Parameter — supported images formats:

- AVIF
- BLP
- BMP
- CUR
- DCX
- DDS
- DIB
- EPS
- FITS
- FLI, FLC
- FPX
- FTEX
- GBR
- GD
- GIF
- HEIF, HEIC
- ICNS
- ICO
- IM
- IMT

- IPTC/NAA
- JPEG
- JPEG 2000
- MCIDAS
- MIC
- MPO
- MSP
- PCD
- PCX
- PFM
- PIXAR
- PNG
- PPM
- PSD
- QOI
- SGI
- SPIDER
- SUN
- TGA
- TIFF
- WAL
- WebP
- WMF,EMF
- XBM
- XPM

Return type
array[RankedFaceVector]

Example data
Content-Type: */*


```
[
{
        "original_image_id": "7e01cdb3-07e7-46b8-9c37-04d85d4a8789",
        "boundingbox": {
            "x": 74.9,
            "y": 47.6,
            "w": 7.0,
            "h": 5.7
        },
        "score": 0.486
    }
]
```


Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- */*

Responses

200
OK RankedFaceVector

400
api_error

503
api_error

```
POST /searchMultiple
```

Description
Retrieve scores form an image not present in any index and can be searched in multiple indexes. The array with results has a maximum length of 200 for each selected index in [clientList]

Curl
```
curl --location 'https://datamachine.nl/visualSearch/searchMultiple' \
--header 'apikey: [APIKEY]' \
--form 'clientList="[CLIENTLIST]"' \
--form 'file=@"[/PATH/TO/FILE]"'
```

Consumes
This API call consumes the following media types via the Content-Type request header:

- `application/json`

Request headers

apikey (required)
Header Parameter — format: apikey

Query parameters

clientList (required)
Query Parameter — format: csv list of clients. The default index is addressed as “Default”

file (required)
Query Parameter — supported images formats:

- AVIF
- BLP
- BMP
- CUR
- DCX
- DDS
- DIB
- EPS
- FITS
- FLI, FLC
- FPX
- FTEX
- GBR
- GD
- GIF
- HEIF, HEIC
- ICNS
- ICO
- IM
- IMT
- IPTC/NAA
- JPEG
- JPEG 2000
- MCIDAS

- MIC
- MPO
- MSP
- PCD
- PCX
- PFM
- PIXAR
- PNG
- PPM
- PSD
- QOI
- SGI
- SPIDER
- SUN
- TGA
- TIFF
- WAL
- WebP
- WMF,EMF
- XBM
- XPM

Return type
array[RankedVectorList]

Example data
Content-Type: */*


```
[
    {
        "index": "CLIENT NAME",
        "results": [
            {
                "id": "a0f12bac-1ef8-424d-98f4-efcf40a8422e",
                "name": "name",
                "score": 0.4599033296108246
            },
            {
                "id": "a0ad434d-36c6-463b-aef1-69c8a2c94f1a",
                "name": "NAME",
                "score": 0.4510851800441742
            }
        ]
    },
    {
        "index": "CLIENT NAME",
        "results": [
            {
                "id": "fac226b4-4313-401f-b31d-4205d665dad7",
                "name": "NAME",
                "score": 1.000000238418579
            },
```

```
            {
                "id": "fac226b4-4313-401f-b31d-4205d665dad9",
                "name": "NAME",
                "score": 0.5279961824417114
            },
            {
                "id": "fac226b4-4313-401f-b31d-4205d665dad6",
                "name": "3.webp",
                "score": 0.37893128395080566
            }
        ]
    }
]
```


Produces
This API call produces the following media types according to the Accept request header; the media type will be conveyed by the Content-Type response header.

- `*/*`

Responses

200
OK RankedVectorList

400
api_error

503
api_error

Models

Table of Contents

RankedVector

id (optional)
UUID format: uuid
name (optional)
String
score (optional)
Double format: double

RankedFaceVector

original_image_id (optional)
UUID format: uuid
boudingbox
Boundingbox format: boundingbox
score
Double format: double

RankedVectorList

index
String
results
[RankedVector]

GetResponse

id (optional)
UUID format: uuid | null
name format: string | null
String

UuidResponse

uuids (optional)
array[UUID] format: uuid
nextPage (optional)

String

search_request

file
File format: binary

api_error

status
String
message
String
errors
String

Boundingbox

x
Float
y
Float
w
Float
h
Float

StillList

film
UUID format: uuid | null
stills
[Still]
status
String

Still

uuid
UUID format: uuid | null
scenenumber
Integer
framenumber
Integer
status
Integer
beginScene
Float
endScene
Float