

Shipment integrations

- [How to send shipment data to Cloudex TMS via API?](#)
- [How to send shipment milestones to Cloudex TMS via API?](#)
- [How to send shipment documents to Cloudex TMS via API?](#)

How to send shipment data to Cloudex TMS via API?

Use the **Cloudex TMS API** when shipments created in another system need to be automatically imported into Cloudex TMS.

This is typically the first step of a shipment integration between an external TMS, ERP, customer system, or another application and Cloudex TMS.

Before you start

You need:

- access to the Cloudex TMS API;
- a valid **Cloudex API key**;
- access to the Cloudex TMS API documentation.

See: **How to create API key**

Full Cloudex TMS API documentation: <https://my.cloudex.lv/cloudex-api/swagger/index.html>

Which endpoint should be used?

To create/import a shipment in Cloudex TMS, use the: **shipment-manifest** endpoint.

The external system sends the shipment information to Cloudex TMS using this endpoint.

Parameters

Name	Description
key * required string (query)	The API key for authentication.

Request body

The shipment data (manifest).

Example Value | Schema

```
{
  "ManifestId": "string",
  "CarrierVatCode": "string",
  "CarrierPersonEmail": "string",
  "CompanyName": "string",
  "CompanyRegNumber": "string",
  "CompanyVatCode": "string",
  "CompanyPersonFirstName": "string",
  "CompanyPersonLastName": "string",
  "CompanyPersonGSM": "string",
  "CompanyPersonPhone": "string",
  "CompanyPersonEmail": "string",
  "IsMultibooking": 0,
  "OrderNumber": "string",
  "TruckNumber": "string",
  "TrailerNumber": "string",
  "OrderPaymentDays": 0,
  "OrderPaymentTypeId": 0,
  "Shipment": [
    {
      "ShipmentSource": "string",
      "ShipmentId": "string",
      "ManifestId": "string",
      "Date": "2026-02-11T09:00:55.852Z",
      "Number": "string",
      "SenderName": "string",
      "SenderVatCode": "string",

```

Integration flow

A typical shipment integration works as follows: **External system** → **Shipment manifest** → **Cloudex TMS**

Related articles

- [How to create API key](#)

How to send shipment milestones to Cloudex TMS via API?

Use the **Cloudex TMS API milestones endpoint** when an external system needs to update Cloudex TMS about the progress of an existing shipment.

Examples include shipment milestone/status updates such as:

- Shipment loaded;
- Shipment delivered.

Before you start

The shipment must already exist in Cloudex TMS and the external system must be able to identify which Cloudex TMS shipment the milestone belongs to.

You also need:

- access to the Cloudex TMS API;
- a valid Cloudex API key.

Full Cloudex TMS API documentation: <https://my.cloudex.lv/cloudex-api/swagger/index.html>

Which endpoint should be used?

To send shipment milestone/status updates to Cloudex TMS, use the: **milestones** endpoint.

POST

/api/shipments/milestones Receives actual cargo milestones from a carrier.



This endpoint is intended for carriers that need to report actual operational cargo events back to ClouDEX.

AUTHENTICATION

- Supply the ClouDEX API key in the query parameter "key".
- The API key MUST be active.
- The API key MUST have RestrictionVatCode configured.
- Generic/unrestricted API keys are NOT accepted.
- CarrierVatNumber in the request MUST match the API key RestrictionVatCode.
- ClouDEX additionally verifies that the mapped order/trip is assigned to the same carrier VAT.

SHIPMENT IDENTIFICATION Each milestone is mapped using:

- CarrierVatNumber = carrier VAT number;
- OrderNumber = ClouDEX order/trip number (tkexp.code);
- ShipmentNumber = ClouDEX shipment number (tkcrg.code).

Carriers must NOT send ClouDEX internal IDs such as tkexp_id, tkorg_id or tkspk_id.

SUPPORTED MILESTONES

- LOADED = cargo was actually loaded;
- DELIVERED = cargo was actually delivered.

Additional milestone types may be introduced later.

EVENT TIME EventDateTime is the actual time when the operational event occurred, not the time when this API request is sent. ISO-8601 with UTC offset is strongly recommended, for example: 2026-09-18T09:15:00+03:00.

OPTIONAL OPERATIONAL VALUES The milestone may also contain actual pallet count, stackable pallet count, temperature, gross weight, loading metres, volume, pallet exchange count, notes and GPS coordinates. If an optional numeric value is unknown, omit it or send null. Do NOT use 0 to mean unknown; 0 means the actual value is zero.

BATCH PROCESSING The request may contain multiple milestones. Every milestone is mapped and processed independently, and the response contains a result row for every input item. Internal ClouDEX database IDs are not exposed.

Parameters

[Try it out](#)

Name	Description
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key * required

Active ClouDEX API key restricted to the same VAT number as request.CarrierVatNumber. Generic/unrestricted API keys are not accepted.

string

(query)

Request body required[application/json](#)

Carrier VAT number and one or more milestones.

[Example Value](#) | [Schema](#)

```
{
  "CarrierVatNumber": "string",
  "Milestones": [
    {
      "OrderNumber": "string",
      "ShipmentNumber": "string",
      "MilestoneType": "LOADED",
      "EventDateTime": "2026-09-21T09:14:58.426Z",
      "PalletCount": 2147483647,
      "StackablePalletCount": 2147483647,
      "TemperatureC": 100,
      "GrossWeightKg": 99999999.99,
      "LoadingMeters": 99999.99,
      "VolumeM3": 9999.999,
      "PalletExchangeCount": 0,
      "Notes": "string",
      "Latitude": 90,
      "Longitude": 180,
      "ExternalEventId": "string"
    }
  ]
}
```

Integration flow

A typical integration works as follows: **External system → Shipment milestone/status → Cloudex TMS**

For example, when the shipment is marked as delivered in the connected external system, the corresponding milestone can be sent to Cloudex TMS.

This allows Cloudex TMS to keep the shipment status synchronized with the connected system without requiring users to update the shipment manually.

Related articles

- [How to send shipment documents to Cloudex TMS via API?](#)
- [How to create API key](#)

How to send shipment documents to Cloudex TMS via API?

Use the **Cloudex TMS API documents endpoint** when documents from an external system need to be attached to a shipment in Cloudex TMS.

Typical examples are:

- POD (Proof of Delivery);
- CMR;
- other shipment-related documents.

Before you start

The shipment must already exist in Cloudex TMS and the external system must be able to identify which shipment the document belongs to.

You also need:

- access to the Cloudex TMS API;
- a valid Cloudex API key.

Full Cloudex TMS API documentation: <https://my.cloudex.lv/cloudex-api/swagger/index.html>

Which endpoint should be used?

To send shipment documents to Cloudex TMS, use the: **documents** endpoint.

POST

/api/shipments/documents

Uploads a shipment document from a carrier.

This endpoint uses multipart/form-data and accepts the actual file as a normal file upload. Base64 is intentionally NOT required in the public API.

AUTHENTICATION

- Supply the ClouDEX API key in the query parameter "key".
- The API key MUST be active and MUST have RestrictionVatCode configured.
- Generic/unrestricted API keys are NOT accepted.
- CarrierVatNumber MUST match the API key RestrictionVatCode.
- ClouDEX also verifies that the mapped trip is assigned to the same carrier VAT.

SHIPMENT IDENTIFICATION

- OrderNumber = ClouDEX order/trip number (tkexp.code);
- ShipmentNumber = ClouDEX shipment number (tkorg.code).

DOCUMENT TYPES

- PHOTO = general cargo/shipment photo;
- POL = Proof Of Loading;
- POD = Proof Of Delivery;

FILE RULES

- Allowed extensions: .pdf, .jpg, .jpeg, .png;
- Maximum file size: 20 MB;
- The original filename is sanitized with Path.GetFileName before storage.

Parameters

Try it out

Name	Description
key * required string (query)	Active ClouDEX API key restricted to the same VAT number as request.CarrierVatNumber.

Request body

multipart/form-data

CarrierVatNumber * required
string

VAT registration number of the carrier uploading the document. Must match RestrictionVatCode of the API key. Example: LV40001234567.

OrderNumber * required
string

ClouDEX order/trip number (tkexp.code). Example: E266.

ShipmentNumber * required
string

ClouDEX shipment number (tkorg.code). Example: 71.

DocumentType * required
string

Type of document being uploaded: PHOTO = general cargo/shipment photo; POL = Proof Of Loading; POD = Proof Of Delivery.

ExternalDocumentId
string

Optional document identifier from the carrier's own system. Example: doc-123456.

Notes
string

Optional note about the document. Maximum 200 characters.

File * required
string(\$binary)

File to upload. Allowed file extensions: .pdf, .jpg, .jpeg, .png. Maximum file size in the supplied controller code: 20 MB.

Integration flow

A typical document integration works as follows: **External system → Shipment document → ClouDEX TMS shipment**

For example, once a signed POD or CMR becomes available in the connected system, it can be sent automatically to ClouDEX TMS and linked to the corresponding shipment.

This reduces the need to manually download documents from one system and upload them again into ClouDEX TMS.

Related articles

- [How to send shipment milestones to Cloudex TMS via API?](#)
- [How to create API key](#)