

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](#)

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