

Express REST API Documentation

Version: 1.0.0 — OAS 3.1

Logistics Management API - MED AFRICA

Description

REST API for managing manifest import operations and package tracking.

Available Modules

Module	Description
Authentication	Secure connection and JWT token generation
Import Manifest	Import of manifests and plots via JSON
Package Tracking	Checking the status and history of packages

Authentication

The API uses JWT (JSON Web Token) to secure the endpoints.

1. Call POST /auth/authenticate using your login details.
2. Copy the token from the response.
3. Click on Authorize and enter: Bearer {your_token}.

Server

http://integrateur.ddns.net:5050/express-rest

Endpoint: POST /auth/authenticate

Authenticates a user with their credentials and returns a JWT token.

Request body example

```
{ "username": "admin@medafrica-log.com", "password": "MedAfrica@Log" }
```

cURL Example

```
curl -X POST http://integrateur.ddns.net:5050/express-rest/auth/authenticate -H  
"Content-Type: application/json" -d  
'{"username":"admin@medafrica-log.com","password":"MedAfrica@Log"}'
```

Import Manifest

Endpoint: POST /importManifest/json

Importing a manifest and its parcels from a JSON request.

Limits

Setting	Limit
Max lines	60 000
Max size	100 MB

Required fields per line

Field	Description	Example
pkgSn	Unique parcel number	BG-2505175JA6RVHX88
twbSn	Tracking number	710250063902
mawbSn	MAWB Number	157-00680438

Request JSON example

```
{ "fileName": "manifest_2025.json", "rows": [ { "pkgSn": "BG-2505175JA6RVHX88", "twbSn": "710250063902", "mawbSn": "157-00680438", "consigneeName": "Mohamed Alami", "consigneeCity": "AGADIR", "consigneeAddress1": "123 Avenue Hassan II", "consigneeCountry": "MA", "senderName": "ABC Trading Co.", "senderCity": "Shenzhen", "senderCountry": "CN", "pkgTotalWeight": 2.5, "pkgTotalPrice": 150, "currency": "MAD" } ] }
```

Responses

```
200 - Successful import { "success": true, "totalLines": 500, "totalImports": 500, "totalErrors": 0 }
400 - Validation error { "success": false, "totalErrors": 2, "errors": [{"rowNumber":5,"columnName":"pkgSn","errorMessage":"pkgSn est obligatoire"}] }
401 - Unauthorized { "status":401, "message":"Full authentication is required to access this resource" }
422 - Partial import { "totalImports":498, "totalErrors":2 }
500 - Server error { "status":500, "message":"Internal server error" }
```

Parcel Status – Get Current Status

Endpoint

GET /parcelStatusHistorys/{trackingNumber}/status/current

Description

Retrieves the latest recorded status of a parcel, to quickly know its current location.

Parametres

Name	Type	Description	Required
trackingNumber	integer	Parcel tracking number	Yes

Exemple cURL

```
curl -X GET \
'http://integrateur.ddns.net:5050/express-rest/parcelStatusHistorys/823716958098/status/current' \
-H 'accept: application/json' \
-H 'Authorization: Bearer <accessToken>'
```

Reponses possibles

200 OK

```
{
  "id": 15234,
  "parcel": {
    "id": 456,
    "code": "BG-2505175JA6RVHX88",
    "trackingNumber": "710250063902"
  },
  "status": {
    "id": 3,
    "code": "IN_TRANSIT",
    "description": "In Transit"
  },
  "event": {
    "id": 5,
    "code": "Received from Customs Agent",
    "description": "Received from Customs Agent"
  },
  "location": "..",
  "comment": "...",
  "receivedAt": "2025-01-15T10:30:00",
  "source": "SYSTEM"
}
```

401 Unauthorized

```
{
  "path": "/express-rest/parcelStatusHistorys/823716958098/status/current",
  "error": "Unauthorized",
  "message": "Full authentication is required to access this resource",
  "status": 401,
  "timestamp": "2026-01-22T15:35:33.592518378"
}
```

Parcel Status API Documentation

Endpoint

GET /parcelStatusHistorys/parcel/{trackingNumber}

Description

Retrieves the complete status history of a parcel. Returns all recorded events for the package, from newest to oldest.

Parameters

Name	Type	Description	Required
trackingNumber	integer (int64)	Parcel tracking number	Yes

Example cURL

```
curl -X GET 'http://integrateur.ddns.net:5050/express-rest/parcelStatusHistorys/parcel/823716958098' -H 'accept: application/json'
```

Reponses possibles

200 OK

```
{
  "data": [
    {
      "id": 15234,
      "parcel": {
        "id": 456,
        "code": "BG-2505175JA6RVHX88",
        "trackingNumber": "710250063902"
      },
      "status": {
        "id": 3,
        "code": "IN_TRANSIT",
        "description": "En transit"
      },
      "location": "..",
      "receivedAt": "2025-01-15T10:30:00"
    },
    {
      "id": 15200,
      "parcel": {
        "id": 456,
        "code": "BG-2505175JA6RVHX88",
        "trackingNumber": "710250063902"
      },
      "status": {
        "id": 2,
        "code": "Arrived Hub",
        "name": "Arrived Hub"
      },
      "location": "...",
      "receivedAt": "2025-01-14T18:00:00"
    }
  ]
}
```

```
},
{
  "id": 15100,
  "parcel": {
    "id": 456,
    "code": "BG-2505175JA6RVHX88",
    "trackingNumber": "710250063902"
  },
  "status": {
    "id": 1,
    "code": "Out For Delivery",
    "name": "Out For Delivery"
  },
  "location": "....",
  "receivedAt": "2025-01-14T08:00:00"
}
]
```

401 Unauthorized

```
{
  "path": "/express-rest/parcelStatusHistorys/823716958098/status/current",
  "error": "Unauthorized",
  "message": "Full authentication is required to access this resource",
  "status": 401,
  "timestamp": "2026-01-22T15:35:33.592518378"
}
```