

eBihr v2.1 » v3

MIGRATION GUIDE

Everything you need to understand, prepare and succeed in your migration to eBihr **v3**.



**NEW ARCHITECTURE
SIMPLIFIED**



**REDUCED &
OPTIMIZED
CATALOGS**



**ENRICHED DATA &
PRODUCT
RELATIONSHIPS**



**NEW AUTHENTICATION
& ENHANCED
SECURITY**



**BETTER SYNC
& PERFORMANCE**



**BUILT FOR
TOMORROW**



WHY MIGRATE?

Simplify integrations, enrich data, and unlock new capabilities.



COEXISTENCE

v2.1 and v3 coexist. Migrate at your pace without disruption.



FLEXIBLE & PROGRESSIVE

A migration strategy adapted to your needs and resources.



SUPPORTED

We're here to support you at every step of your journey.

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1. Introduction

1.1. Purpose of this Document

This document helps existing eBihr v2.1 customers understand, prepare, and execute the migration to eBihr v3.

It explains:

- the main differences between eBihr v2.1 and v3,
- catalog structure changes,
- API behavior changes,
- migration impacts,
- recommended migration strategies,
- and best practices depending on customer usage.

This guide is intended for both, business users downloading catalogs manually and technical teams integrating eBihr into ERP, eCommerce, PIM, or other systems.

1.2. Audience

This document is intended for:

- eCommerce integrators
- developers
- business users
- BIHR customers using catalog exports
- technical partners

1.3. Related Documents

- eBihr v3 Technical Mapping Guide
- eBihr v3 API Documentation: this document is available on eBihr portal: <https://api.bihr.net/>

2. What is eBihr?

eBihr is BIHR's API platform allowing customers to access:

- product information,
- prices,
- stock availability,
- sales categories,
- and order-related services.

eBihr enables customers to integrate BIHR data directly into their own systems in a secure and automated way.

3. Why eBihr v3?

eBihr v3 has been designed based on Customer's feedback to simplify integrations, enrich available data, and better align with BIHR's current architecture.

4. Coexistence Strategy

eBihr v2.1 and eBihr v3 will coexist.

Customers are not forced to migrate to v3. Existing v2.1 integrations will continue to operate.

However, new features and enriched data are only available through eBihr v3.

Important Notes

- No immediate end-of-life is planned for eBihr v2.1.
- BIHR recommends new developments to use eBihr v3.
- Migration can be performed progressively.
- Technical support remains available during migration.

5. High-Level Architecture Changes

eBihr v2.1

eBihr v2.1 is based on BIHR's previous architecture and relies on multiple catalogs to retrieve complete product information.

Customers often need to:

- download multiple catalogs,
- merge data manually,
- maintain complex mappings.

eBihr v3

eBihr v3 introduces:

- new authentication process (Swagger)
- simplified catalog structures,
- centralized product information,
- ERP-aligned hierarchy,
- richer product relationships,
- enhanced synchronization capabilities.

6. Catalog Structure Changes

Catalog Reduction

eBihr v2.1 used multiple catalogs:

- References
- Extended References
- Prices
- Images
- Attributes
- Inventory
- RiderGear
- HardParts
- Extended Catalog

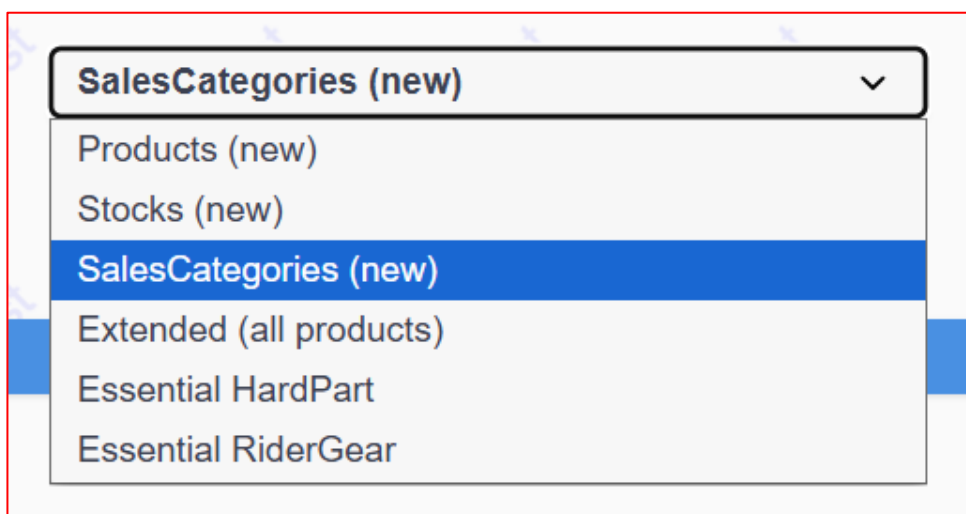
eBihr v3 reduces this to only 4 catalogs:

- Products
- Prices
- Stocks
- Sales Categories

7. Changes on catalog Download page

On the download pages, v2.1 and v3 catalogs will coexists.

eBihr v3 catalogs will be identified with (new) suffix.



8. Product Catalog Changes

8.1. Major Structural Changes

eBihr v2.1 distributed product information across several catalogs.

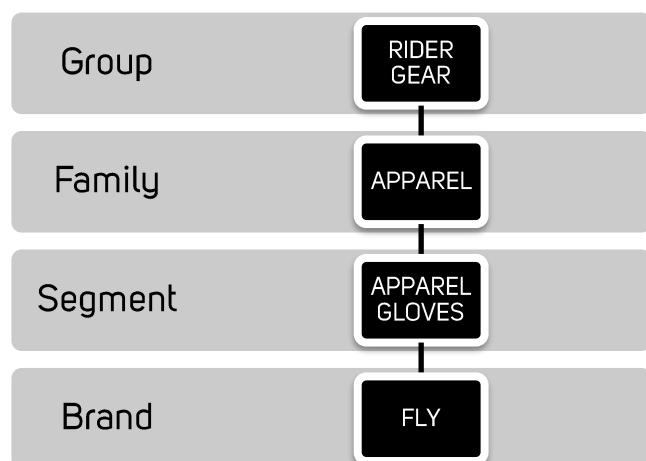
eBihr v3 centralizes most product information inside the Products catalog:

- attributes
- pictures
- documents
- universes
- generic products
- variants
- kit components
- predecessor/successor references

8.2. New Product Hierarchy

eBihr v3 introduces a new hierarchy aligned with BIHR ERP structure:

- Group
- Family
- Segment
- Brand



One product will always be assigned to a unique hierarchy.

This exact same product may be assigned to several sales categories.

Example:

```
"Groups": [
  {
    "Code": "A",
    "Name": "RIDER GEAR",
    "Families": [
      {
        "Code": "A001",
        "Name": "HELMET",
        "Segments": [
          {
            "Code": "A00101",
            "Name": "HELMET FULL FACE",
            "Brands": [
              {
                "Code": "1009",
                "Name": "AIROH",
                "ImageUrl": "https://api.bihr-ga.shop/medias/BRN-AIROH.png?context=bWFzdGVyfHJvb3R8NTg1NnNxbWFnZS9wbmd8YURBMEwyZ3haQzg1TURBMU9UVTJNV50yT1Rrd0ws1NubD1CU12KUFNDNXdiY",
                "Products": [
                  {
                    "PartNumber": "8004995001",
                    "OldPartNumber": "70EVC0385",
                    "SupplierPartNumber": "EC38XL",
                    "Name": "AIROH HELMT EVERGREEN, WHT, XL",
                    "Title": "Casque AIROH Evergreen - White Gloss",
                    "IsDiscontinued": true,
                    "UpdateDateTime": "2025-10-22T04:30:54.1170000"
                  }
                ]
              }
            ]
          }
        ]
      }
    ]
  }
]
```

8.3. Language Handling

eBihr v2.1 mixed all languages into the same catalog.

eBihr v3 uses language-specific catalogs:

- de (German)
- en (English)
- es (Spanish)
- fr (French)
- it (Italian)
- nl (Dutch)
- pt (Portuguese)

Language code will become a request parameter:

Request body

Example Value | Schema

```
{
  "catalogType": "Products",
  "compressionType": "LZMA",
  "language": "en",
  "serializationType": "JSON"
}
```

8.4. New fields/information at product level

Based on Customer request, new important information has been added to the product catalog and concept needs to be explained.

8.4.1. Generic/Variant

For some product, we are using the concept of generic and variant product. Generic product is a parent product and variants are the child. To define the child items we will define 1 or 2 attributes that will be used as splitter. (Example: color and size)

The generic product ID is composed of 7 digits, all variants linked to this generic material will have a product ID composed of the generic product ID + a suffix on 3 digits.

Example:

Generic Product ID: 1082738 - Variant suffix: 007

Variant product ID: 1082738007

Variation 1: Color

Variation 1 value: "Orange"

Code:

```
"genericProduct": {  
  "partNumber": "1082738",  
  "variations": [  
    {  
      "name": "Couleur",  
      "code": "COLOR_STD",  
      "value": "Orange"    }  
  ]  
}
```

Generic product: 1082738

Variant splitter: COLOR

Variant product 1: 1082738001
Color value: Blue



Variant product 2: 1082738002
Color value: Black



...

Variant product: 1082738007
Color value: Orange



8.4.2. Is discontinued

This field will indicate if a product is discontinued.

Bihr definition: a product is considered as discontinued in the following conditions:

- Product cannot be purchased anymore at supplier and there is no more available stock
- Product cannot be sold for quality reason
- Product sales are **temporarily** blocked
- Bihr decide to remove this product from the catalog

A discontinued item can be reactivated, following Product Manager decision or in case goods are back in stock.

Example:

```
"isDiscontinued": false,
```

8.4.3. Sales category

On eBihr v3, product classification will change and will be unique per product.

As a result, we will now have the possibility to provide all sales categories where the product is assigned.

Letting the User select the one that better fits its use.

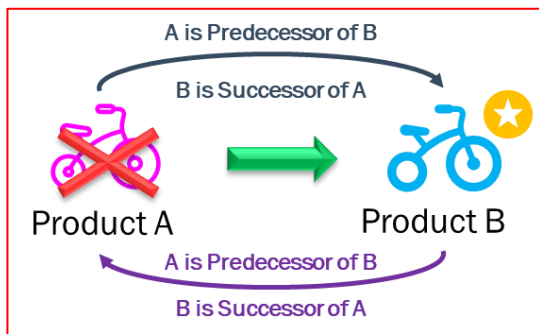
Example in FR language:

```
"salesCategories": [  
  {  
    "code": "1122",  
    "name": "Embouts de guidon"  
  },  
  {  
    "code": "2010",  
    "name": "Déstockage équipement du véhicule"  
  },  
  {  
    "code": "9500_Top_Deals",  
    "name": "Bons plans"  
  }  
]
```

The list of all Sales category are listed into the Sales categories Catalog.

8.4.4. Predecessor/successor

On eBihr v3 we will provide the relation for a given product with its predecessor product ID and its successor product ID when available.



If there is no relation, the fields will not be displayed.

Example:

```
{
  "PartNumber": "8005459",
  "OldPartNumber": "434001XXL",
  "SupplierPartNumber": "RM3102XL",
  "Title": "Combinaison de pluie OXFORD jaune fluo taille XXL",
  "IsDiscontinued": true,
  "PredecessorPartNumber": "8009003001",
  "UpdateDateTime": "2025-10-23T04:16:11.4470000"
},
```

```
,
{
  "PartNumber": "1124764",
  "OldPartNumber": "1124764",
  "SupplierPartNumber": "206.0351",
  "Title": "",
  "CommodityCode": "8714104000",
  "IsOnDemand": false,
  "IsDropShippingAllowed": true,
  "IsDiscontinued": false,
  "HtmlDescription": "",
  "SalesCategories": [
    {
      "Code": "929",
      "Name": "Segment"
    }
  ],
  "Volume": 1,
  "Length": 10,
  "Width": 10,
  "Height": 10,
  "Weight": 1,
  "FollowupPartNumber": "1011958",
  "CountryOfOrigin": "IT",
  "DeliveryPlant": "France Warehouse (Parts)",
}
```

8.4.5. Country of origin

We will provide country of origin of each product. Country code in 2 digits.

```
"countryOfOrigin": "IT",
```

8.4.6. Universes

When a product has vehicle links assign, we will provide vehicle Universe(s).

It may happen that a product will be assigned to several universes, in that case they will all be provided.

Example:

```
},
"Universes": [
  {
    "Code": "03",
    "Name": "50CC"
  },
  {
    "Code": "04",
    "Name": "MAXI SCOOTER"
  }
]
```

8.4.7. Bill of Material

For each kits, when possible, the bill of material will be provided.

We will provide the list of components included in the kit with each component quantity.

Example:

```
],
"BillOfMaterials": [
  {
    "Amount": 1,
    "PartNumber": "1018993"
  },
  {
    "Amount": 1,
    "PartNumber": "1018994"
  }
],
```

9. Stock Catalog Changes

eBihr v2.1

Stock information mainly relied on status codes:

- OutOfStock
- Short
- InStock

eBihr v3

The Stocks catalog now includes:

- stock level: available stock value
- estimated next availability date
- update date/time

```
{  
  "PartNumber": "1077823",  
  "Value": 0.000,  
  "ForecastAvailability": "2026-05-28T00:00:00",  
  "UpdateDateTime": "2026-05-23T00:00:00"  
},
```

Example above describe a case where available stock equal to "0".

Next availability date for this item is estimated to 28/05/2026.

Stock catalog will be refreshed twice a day.

10.Pricing catalog Changes

eBihr v3

Price will not be part of the product catalog but will be separated.

New information will also be provided:

- Boolean to indicate is product is part of an active promotion/discount (on top of your Customer base discount or Sales program)
- Recommended retail price excluding VAT

- Recommended retail price including VAT

Example Value | Schema

```
{
  "partNumber": "9005626",
  "dealerPriceExclTaxes": 60,
  "isCurrentlyDiscounted": true,
  "recommendedRetailPriceExclTaxes": 100,
  "recommendedRetailPriceInclTaxes": 120
}
```

11. Sales Categories - New Catalog

On eBihr v3, product classification will change.

As a result, we will be able to provide each sales categories where the product is assign too.

In order to help you with integration and mapping to your own systems, we will provide Bihr complete sales category structure in the Sales Categories catalog.

Example:

```
{
  "Code": "836",
  "Name": "Lubrifiants et nettoyeurs",
  "SubCategories": [
    {
      "Code": "1139",
      "Name": "Dégrippant"
    },
    {
      "Code": "1158",
      "Name": "Distribution et stockage"
    },
    {
      "Code": "2415",
      "Name": "Huile d'amortisseur"
    },
    {
      "Code": "3208",
      "Name": "Refroidissement"
    }
  ],
}
```

12.API Behavior Changes

Swagger Authentication

Available authorizations

Scopes are used to grant an application different levels of access to data on behalf of the end user. Each API may declare one or more scopes. API requires the following scopes. Select which ones you want to grant to Swagger UI.

OAuth (OAuth2, clientCredentials)

Token URL: /api/oauth/token
Flow: clientCredentials
client_id:

client_secret:

Authorize

Close

Bearer (apiKey)

JWT Authorization header using the Bearer scheme. Example of value: "bearer {token}"
Name: Authorization
In: header
Value:

New authentication method added, more user friendly for Swagger Users.

New Capabilities

eBihr v3 introduces:

- Last modifications fetching

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Powering your passion

- Advanced filtering

POST /api/v3/Products/PartNumbers Get a list of PartNumbers corresponding to several criteria

Parameters

No parameters

Request body

Example Value Schema

```

PartNumbersCriteria {
  description: The criteria to fetch relevant PartNumbers. If several lists are provided, partNumbers will comply every list.
  e.g.: Group code = 'B' AND Vehicle universe = 'OFFROAD' AND Brand name = 'ALL BALLS'
  brandNames > [...]
  groupCodes > [...]
  familyCodes > [...]
  segmentCodes > [...]
  saleCategoryCodes > [...]
  vehicleUniverseCodes > [...]
  since > [...]
  pageNumber > [...]
  listSize > [...]
}
  
```

- GraphQL support
- Language parameter: product catalog will contain only one language and language code become a request parameter. If language is empty, fallback language will be English.
- Cart simulation: allow you to ensure your order will be successful.

13. Frequently Asked Questions

Is migration mandatory?

No. eBihr v2.1 remains available. However, new features and enriched data are only available through eBihr v3.

Will eBihr v2.1 be discontinued?

No discontinuation date is currently planned.

Why migrate to v3?

v3 provides:

- enriched data
- simplified integration
- better performance
- new API features

Can v2.1 and v3 coexist during migration?

Yes.

14. Support

For migration assistance, please contact:

Technical support worldwide:

ebihr-support@mybihr.com

Customer care:

Name	Address
BE Customer Service	customercare.belgium@mybihr.com
CH Customer Service	customercare.swiss@mybihr.com
DE Customer Service	customercare.germany@mybihr.com
ES Customer Service	es-customercare@bihr.eu
FR Customer Service	customercare.france@mybihr.com
IT Customer Service	it-customercare@bihr.eu
NL Customer Service	customercare.netherlands@mybihr.com

PT Customer Service	pt-customer@bihr.eu
Others Customer Service	customer@mybihr.com

15. Appendix

Related documents:

- Access to eBihr v3 test version: <https://ebihr-qual.bihr.net/api-docs/index.html?urls.primaryName=eBihr+Web+API+V3>
- Detailed mapping comparison:
- eBihr v3: catalogs content: <https://ebihr-qual.bihr.net/api-docs/help/V3/CatalogsContent.pdf>