



ZAIDYN™ Field Planning- Segmentation API Guide

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About the Guide

This document provides technical guidance for integrating and using core APIs required for data import, export, job tracking, and summary validation in the ZAIDYN™ Segmentation module. Each section details the structure, expected inputs/outputs, and the object contracts relevant to segmentation workflows.

Key API Sections

Section	Description
Import API	Enables ingestion or update of segmentation data using structured object files.
Job Status API	Polls the status of import requests using JobId.
Import Summary & Validations	Provides post-import results including success counts, errors, and warnings.
Export API	Allows users to export segmented customer data for both segment-specific and master module scenarios.
Export Summary API	Returns the status and output file path for a specific export job.



Note:

1. All APIs must be authenticated and invoked using approved integration credentials. Field names and object structures are case-sensitive and must align with system expectations to avoid processing errors.
2. Always ensure your requests include appropriate headers and tokens as required. Unauthorized access will result in standard **401** or **403** errors

Import API

Below is a brief overview of the endpoint details, request format, and objects handled by the Import API.

Endpoint Details

Endpoint	URL	Type	Description
Import API	{baseUrl}/{instance}/file/ImportRequest	POST	Used to ingest new or update existing data in the system.

Endpoint

URL

{baseUrl}/{instance}/file/ImportRequest

Request Format

JSON

```
{
  "FilePath": "xxx",
  "EffectiveDate": "xxx"
}
```

Response

JSON

```
{
  "JobId": "xxx",
  "RequestId": xxx
}
```

Input Data

The following table shows the input parameters for the `import_data_files_from_S3` endpoint

Object	Description	Load Type
Customer Type	Unique identifier and label for types of customers (e.g., ACC).	Upsert and Delete
Customer	List of customers with IDs and names.	Upsert and Delete
Customer Address	Address details for customers.	Upsert and Delete

Object	Description	Load Type
Business Unit	Master list of business units (e.g., Oncology).	Upsert and Delete
Country	Master list of countries.	Upsert and Delete
Product	Master list of products.	Upsert and Delete
Customer Custom Metric/Field	Custom fields/metrics at customer level.	Upsert and Delete
Customer Product Custom Metric	Custom fields/metrics at customer-product level.	Upsert and Delete
Product Hierarchy	Product hierarchy details (e.g., BRAND, BRAND-INDICATION).	Upsert and Delete
Business Unit to Product	Mapping of business units to products.	Upsert and Delete
Country to Business Unit	Mapping of countries to business units.	Upsert and Delete
Cluster	Clusters grouping multiple countries.	Upsert and Delete
Cluster to Country	Mapping of clusters to countries.	Upsert and Delete
Time Period	Structured data object defining specific time intervals (e.g., quarters) used to drive data segmentation, and business planning cycles.	Upsert and Delete

Base Object Details

Customer Type Object

Unique identifier and label for types of customers (e.g., ACC).

Object Type	Type	Required	Default	Description	Example
CustomerTypeId	Text	Yes (Primary)	NA	Unique identifier of the customer type	ACC
CustomerTypeNa me	Text	Yes	NA	Label or name of the customer type	Account
RemoveCustomer Type	Boolean	No (Optional)	FALSE	Remove the customer type	FALSE

Customer

List of customers with IDs and names.

Object Type	Type	Required	Default	Description	Example
CustomerId	Text	Yes (Primary)	NA	Unique identifier of the customer	A00003G3
CustomerName	Text	Yes	NA	Name of the customer	Michelle Bauer
CustomerTypeId	Text	Yes	NA	Corresponding customer type identifier	ACC
RemoveCustomer	Boolean	No (Optional)	FALSE	Remove the customer	FALSE

Customer Address Object

Address details for customers.

Object Type	Type	Required	Default	Description	Example
CustomerId	Text	Yes (Primary)	NA	Unique identifier of the customer	A00003G3
CustomerAddressId	Text	Yes (Primary)	NA	Unique identifier of customer's address	123 North Terrace
CustomerAddress1	Text	Yes	Null	Address line1	Suite 456
CustomerAddress2	Text	No (Optional)	Null	Address line2	Suite 456
CustomerCity	Text	Yes	NA	City for the customer address	Evanston
CustomerState	Text	Yes	NA	State for the customer address	IL
CustomerCountry	Text	Yes	NA	Country for the customer address	USA
CustomerCounty	Text	No (Optional)	Null	County for the customer address	Fairfax County
PrimaryAddress	Boolean	Yes	FALSE	Flag indicating if this address is primary	TRUE
CustomerAddressType	Text	Yes	NA	Type of address (e.g., Work, Home)	Work

Object Type	Type	Required	Default	Description	Example
CustomerGeoCode	Text	Yes	NA	Geocode for the address	78901
RemoveCustomerAddress	Boolean	No (Optional)	FALSE	Remove the address	FALSE
CustomerLatitude	Numeric	No (Optional)	42.0502791	Latitude coordinate	42.0502791
CustomerLongitude	Numeric	No (Optional)	-87.6821998	Longitude coordinate	-87.6821998
EligibleForAlignment	Boolean	No (Optional)	FALSE	Can secondary address be used to generate ZIP-based alignment	FALSE

Business Unit

Master list of business units (e.g., Oncology).

Object Type	Type	Required	Default	Description	Example
BusinessUnitId	Text	Yes	NA	Unique identifier of the Business Unit	Oncology
BusinessUnitName	Text	Yes	NA	Name of the Business Unit	BU_Oncology
RemoveBusinessUnit	Boolean	No (Optional)	FALSE	Remove the business unit	FALSE

Country

Master list of countries.

Object Type	Type	Required	Default	Description	Example
CountryId	Text	Yes	NA	Defines the unique identifier of the Country being created.	FR
CountryName	Text	Yes	NA	Name of the country	France
RemoveCountry	Boolean	No (Optional)	FALSE	Remove the country	FALSE

Product Object

Master list of products.

Object Type	Type	Required	Default	Description	Example
ProductId	Text	Yes	NA	Unique identifier of the product	AGE 1
ProductName	Text	Yes	NA	Name of the product to be added in the system.	Agen
RemoveProduct	Boolean	No (Optional)	FALSE	Remove the product	FALSE

Custom Metric/Field Objects

Customer Custom Metric/Field

Custom fields/metrics at customer level.

Object Type	Type	Required	Default	Description	Example
CustomerId	Text	Yes (Primary)	NA	Indicates primary key/identifier.	A00003G3
CustomFieldId1	Text	No (Optional)	Null	Example custom text field	Tier 1
CustomFieldId2	Numeric	No (Optional)	Null	Example custom numeric field	100
CustomFieldId3	Date	No (Optional)	Null	Example custom date field	1/1/2025
CustomFieldId4	Boolean	No (Optional)	FALSE	Example custom boolean field	FALSE

Customer Product Custom Metric/Field

Custom fields/metrics at customer-product level.

Object Type	Type	Required	Default	Description	Example
CustomerId	Text	Yes (Primary)	NA	Unique identifier of the customer	A00003G2
ProductId	Text	Yes (Primary)	NA	Unique identifier of the product	AGE 1
CustomFieldId1	Text	No (Optional)	Null	Custom text field for customer-product combos	Tier 1

Object Type	Type	Required	Default	Description	Example
CustomFieldId2	Numeric	No (Optional)	Null	Custom numeric field for customer-product combos	100
CustomFieldId3	Date	No (Optional)	Null	Custom date field	1/1/2025
CustomFieldId4	Boolean	No (Optional)	FALSE	Custom boolean field	FALSE

New Data Contracts for Segmentation

Product Hierarchy

Product hierarchy details (e.g., BRAND, BRAND-INDICATION).

Object Types	Type	Required	Default	Description	Example
ProductId	Text	Yes	NA	Product ID for which hierarchy is added	Noblacion
LevelId	Text	Yes	NA	Hierarchy level (e.g., BRAND, BRAND-INDICATION)	BRAND
RemoveProductLevel	Boolean	No (Optional)	FALSE	Remove this product hierarchy	FALSE

Business Unit to Product

Mapping business units to products.

Object Types	Type	Required	Default	Description	Example
BusinessUnitId	Text	Yes	NA	Business unit to map to a product	Bu1
ProductId	Text	Yes	NA	Product to be mapped to a business unit	Noblacion
RemoveMapping	Boolean	No (Optional)	FALSE	Remove Business Unit-to-product mapping	FALSE

Country To Business Unit

Mapping of countries to business units.

Object Types	Type	Required	Default	Description	Example
CountryId	Text	Y	NA	Country ID to be mapped to a business unit.	Cu1
BusinessUnitId	Text	Yes	NA	Business Unit ID to map to a country	Bu1
RemoveMapping	Boolean	No (Optional)	FALSE	Remove country-to-Business Unit mapping	FALSE

Cluster

Clusters are grouping multiple countries.

Object Types	Type	Required	Default	Description	Example
ClusterId	Text	Yes	NA	Cluster ID (groups multiple countries)	Cu1
ClusterName	Text	Yes	NA	Name of the cluster	Cluster1
RemoveCluster	Boolean	No (Optional)	FALSE	Remove the cluster	TRUE

Cluster To Country

Mapping of clusters to countries.

Object Types	Type	Required	Default	Description	Example
ClusterId	Text	Yes	NA	Cluster ID for grouping countries	Cu1
CountryId	Text	Yes	NA	Country ID to be mapped to a cluster	Country1
RemoveMapping	Boolean	No (Optional)	FALSE	Remove the country from cluster	TRUE

Time Period

Representation of defined time intervals used for reporting or operational purposes.

Name	Type	Required	Default	Sample Value	Description
TimePeriodId	Text	Yes	NA	TP1	Time Period Id for a time period
TimePeriodName	Text	Yes	NA	FirstQuarter	Time Period Name for Given Time Period
EffectiveStartDate	Date	Yes	NA	1/1/2020	Time Period start Date
EffectiveEndDate	Date	Yes	NA	5/5/2020	Time Period End Date
RemoveTimePeriod	Boolean	No (Optional)	FALSE	TRUE	Remove flag to Time Period if No Scenario is created using it

Job Status API

Below is a brief description of how to check the current status of an import job using the Job Status API.

Endpoint Details

Endpoint	URL	Type	Description
Job Status API	{baseUrl}/{instance}/JobStatus?JobId=?	GET	Used to check the current status of an import or export job.

Endpoint

URL
{baseUrl}/{instance}/JobStatus?JobId=?

Request Format

JSON
{JobId: xxx}

Response

JSON
{ "StartTime": "xxx",

```
"Status": "xxx",  
  
"IsSuccess": xxx,,  
  
"FailureMessage": "xxx",  
  
"totalTask": xxx,  
  
"successTask": xxx,  
  
"RunTimeTicks": xxx  
  
}
```

Import Summary and Validations

Below is a brief description of how to retrieve a summary of results, errors, and warnings after an import completes.

Endpoint Details

Endpoint	URL	Type	Description
Import Summary & Validations	{baseUrl}/{instance}/file/ImportSummaryAndValidations?RequestId=?	GET	Used to retrieve a summary of results, errors, and warnings after an import completes.

Endpoint

URL

```
{baseUrl}/{instance}/file/ImportSummaryAndValidations?RequestId=?
```

Request Format

JSON

```
{ RequestId: xxx }
```

Response

JSON

```
{ "Summary": { "RequestId": xxx, "RequestTime": "", "TotalIgnoredRecords":  
xxx, "TotalErroredRecords": xxx, "TotalWarningRecords": xxx,  
"TotalProcessedRecords": xxx, "TotalConflictOverrideRecords": xxx,  
"TotalConflictEndDateRecords": xxx, "TotalRemovedRecords": xxx,  
"TotalConflictIgnoredRecords": xxx, "TotalGuardrailErrors": xxx,  
"TotalGuardrailWarnings": xxx, "SummaryMessage": xxx },  
"RecordErrorWarningDetailsFileBucketName": xxx,  
"RecordErrorWarningDetailsFileRelativePath": xxx }
```

Export APIs

This API enables the export of segmentation and master scenario data.

Endpoint Details

The following endpoint is the same for both the segmentation and master modules.


Endpoint Name	URL	Type	Description
Export API	{baseUrl}/{instance}/file/ExportRequest	POST	API to export data from the system

Segmentation Specific

Users can export segmented customer details based on predefined headers and input format.

This section outlines the structure of the request body and required headers.

Input Format Request Body

	<p>Notes:</p> <ul style="list-style-type: none">Dates are not required in the request body for segmentation-specific modules.The filter is optional.
---	--

JSON

```
{  
  "EffectiveStartDate": "XX/XX/XXXX",  
  "EffectiveEndDate": "XX/XX/XXXX",  
  "LastApprovedFrom": "XX/XX/XXXX",  
  "LastApprovedTo": "XX/XX/XXXX",  
  "ObjectDetails": [  

```

```
{
  "ObjectName": "xxx",
  "Filter": {
    "Condition": {
      "IN": [
        {
          "Col": {
            "Name": "xxx"
          }
        },
        [
          {
            "Literal": {
              "Value": "xxx"
            }
          }
        ]
      ]
    }
  }
}
]
```

Header Details

The header values are required to drive a successful export. All fields must match a single defined segmentation scenario; else export job will fail.

Header Name	Type	Sample Value	Description
SegmentationScenarioName	Text	Scenario A	Scenario name used for the export.
BusinessUnitId	Text	Oncology	Business Unit under which the segmentation was created.
EntityType	Text	Country	Defines the segmentation grouping type – must be either "Country" or "Cluster".
EntityId	Text	USA / Cluster1	Country ID or Cluster ID based on the selected entity type.

Response Format

JSON
<pre>{ "jobId": "xxx" }</pre>

Object Details

Segmented Customers

The following table shows the output parameters of the Segmented Customers Export.

Name	Type	Sample Value	Description
CustomerId	Text	A00003G3	Unique identifier of the customer.
CustomerName	Text	Michelle Bauer	Name of the type of customer.
ProductId	Text	AGE 1	Product Id for the scenario.
ProductName	Text	Agen	Product Name for the scenario.
Dimension1	Text	Potential	Label of Dimension 1, selected in the Scenario
Dimension 2	Text	Penetration	Label of Dimension 2, selected in the Scenario
<Dimension1>*	Text	value1	Value of Dimension 1 for the segment. Dimension could be at Customer-Product /Customer grain
<Dimension2>*	Text	value2	Value of Dimension 2 for the segment. Dimension could be at Customer-Product /Customer grain
<Dimension1>* Group	Text	Group A	Dimension 1 Group.
<Dimension2>* Group	Text	Group B	Dimension 2 Group.
SegmentName	Text	Segment A	Name of the segment generated by system.


FinalizedSegmentName	Text	Segment B	This is the final segment of customer (could be system- generated or override one)
----------------------	------	-----------	--

Master Module

This section outlines the structure of the request body, including a sample request body format.

Input Format Request Body

The following is an example of the request body:

	<p>Notes:</p> <ul style="list-style-type: none"> • EffectiveStartDate should be passed in request body. • The filter is optional.
---	--

JSON

```
{
  "EffectiveStartDate": "XX/XX/XXXX",
  "EffectiveEndDate": "XX/XX/XXXX",
  "LastApprovedFrom": "XX/XX/XXXX",
  "LastApprovedTo": "XX/XX/XXXX",
  "ObjectDetails": [
    {
      "ObjectName": "xxx",
      "Filter": {
        "Condition": {
          "IN": [
```

```
    {
      "Col": {
        "Name": "xxx"
      }
    },
    [
      {
        "Literal": {
          "Value": "xxx"
        }
      }
    ]
  ]
}
}
```

Sample Request Body for CountrytoBusinessunit with a Filter Applied

JSON

```
{
  "EffectiveStartDate": "2025-01-01",
  "ObjectDetails": [
    {
      "ObjectName": "CountryToBusinessUnit",
      "Filter": {
        "Condition": {
          "IN": [
            {
              "Col": {
                "Name": "businessunitid"
              }
            },
            [
              {
                "Literal": {
                  "Value": "BU_obj1"
                }
              }
            ]
          ]
        }
      }
    }
  ]
}
```

```
}  
]  
}
```

Response

```
JSON  
  
{  
  "JobId": "xxx"  
}
```

Object Details

This section shows the export details of the following objects.

Country

The table below lists the object parameters for the country.

Name	Type	Sample Value	Description
CountryId	Text	France	A unique identifier for the country.
CountryName	Text	France	The name of the country.
RemoveCountry	Boolean	False	
EffectiveStartDate	Date		The date from which the record becomes active in the system.
EffectiveEndDate	Date		The date from which the record will be inactive in the system.

Name	Type	Sample Value	Description
LastUpdatedDate	Date		The system date when the last change was made to the record.
RemovedStarting	Date		The date from which the record will be deleted or removed from the system.

Business Unit

The following table lists the object parameters for the business unit.

Name	Type	Sample Value	Description
BusinessUnitId	Text	Oncology	A unique identifier for the business unit.
BusinessUnitName	Text	BU_Oncology	The name of a business unit.
RemoveBusinessUnit	Boolean	False	A flag to remove business unit.
EffectiveStartDate	Date	NA	The date from which the record becomes active in the system.
EffectiveEndDate	Date	NA	The date from which the record will be inactive in the system.
LastUpdatedDate	Date	NA	The system date when the last change was made to the record.
RemovedStarting	Date	NA	The date from which the record will be deleted or removed from the system.

Cluster

The table below lists the object parameters for the Cluster.

Name	Type	Sample Value	Description
ClusterId	Text	Nordics	Unique identifier of the cluster.
ClusterName	Text	Nordics	Name of the cluster.

Cluster to Country

The table below lists the object parameters for the Cluster to Country.

Name	Type	Sample Value	Description
ClusterId	Text	NOR	Unique identifier of the cluster.
ClusterName	Text	Nordics	Name of the cluster.
CountryId	Text	FIN	Unique identifier of the country.
CountryName	Text	Finland	Name of the country.
EffectiveStartDate	Date	1/1/2025	Start date of the record.
EffectiveEndDate	Date	1/1/2030	End date of the record.
RemoveStarting	Date	1/2/2030	Date from which the record is not available.

Time Period

The table below lists the object parameters for the Time Period.

Name	Type	Sample Value	Description
TimePeriodId	Text	Q1_2025	Unique identifier of the time period.
TimePeriodName	Text	Q1 2025	Name of the time period.
EffectiveStartDate	Date	1/1/2025	Start date of the time period.
EffectiveEndDate	Date	3/31/2025	End date of the time period.

Customer Type

The following table lists the object parameters for the customer type.

Name	Type	Default	Sample Value	Description
CustomerTypeId	Text	NA	ACC	A unique identifier for the type of customer being created.
CustomerTypeName	Text	NA	Account	The name of the type of customer being created.
RemoveCustomerType	Boolean	False	False	Removes the customer type.
EffectiveStartDate	Date	NA		The date from which the record becomes active in the system.
RemovedStarting	Date	NA		The date from which the record will be inactive in the system.
EffectiveEndDate	Date	NA		The system date when the last change was made to the record.

Name	Type	Default	Sample Value	Description
LastUpdatedDateFrom	Date	NA		The date from which the record will be deleted or removed from the system.

Customer

The following table lists the object parameters for the customer.

Name	Type	Default	Sample Value	Description
CustomerId	Text	NA	A00003G3	A unique identifier that represents the customer.
CustomerName	Text	NA	Customer Name	Specifies the name of the customer type being created.
CustomerTypeId	Text	NA	ACC	Removes the customer type.
RemoveCustomer	Boolean	False	False	The date from which the record becomes active in the system.
EffectiveStartDate	Date	NA		The date from which the record will be inactive in the system.
RemovedStarting	Date	NA		The system date when the last change was made to the record.
EffectiveEndDate	Date			The date when the record becomes inactive in the system.
LastUpdatedDateFrom	Date	NA		The date from which the record will be deleted or removed from the system.



Note: To include a custom field, set the AddCustomFields parameter in the request body to True.

Customer Custom Fields Export

This table specifies fields for managing customer data entries, including identifiers, custom attributes, and dates for record activity.

Name	Type	Sample Value	Description
CustomerId	Text	A00003G3	A unique identifier that represents the customer.
CustomFieldID1 (e.g.: Specialty)	Text	Oncology	Contains values for custom fields (e.g., Specialty). There can be 'n' number of custom fields.
RemoveCustomer	Boolean	FALSE	It indicates whether the customer should be removed from the system.
EffectiveStartDate	Date	YYYY-MM-DD	The date when the record becomes active in the system.
RemovedStarting	Date	YYYY-MM-DD	The date when the record is marked as removed from the system.
EffectiveEndDate	Date	YYYY-MM-DD	The date when the record becomes inactive in the system.
LastUpdatedDateFrom	Date	YYYY-MM-DD	The date when the last update was made to the record.

Customer Address


The following table lists the object parameters for the customer address.

Name	Type	Required	Default	Sample Value	Description
CustomerId	Text	Yes (Primary)	NA	A00003G3	Defines the unique identifier of the customer being created.

Name	Type	Required	Default	Sample Value	Description
CustomerAddressId	Text	Yes (Primary)	NA	123 North Terrace	Since a customer can have multiple addresses, this property defines the unique identifier of the customer's address.
CustomerAddress1	Text	Yes	Null	Suite 456	Address line 1 for the address being added.
CustomerAddress2	Text	Optional	Null	Suite 456	Address line 2 for the address being added.
CustomerCity	Text	Yes	NA	Evanston	Since a customer can have multiple addresses, this property defines the city of the customer's address.
CustomerState	Text	Yes	NA	IL	Since a customer can have multiple addresses,

Name	Type	Required	Default	Sample Value	Description
					this property defines the state of the customer's address.
CustomerCountry	Text	Yes	NA	USA	Since a customer can have multiple addresses, this property defines the country of the customer's address.
CustomerCounty	Text	Optional	Null	Fairfax Country	Since a customer can have multiple addresses, this property defines the county of the customer's address.
PrimaryAddress	Boolean	Yes	False	True	Indicates whether the address is primary or not.
CustomerAddressType	Text	Yes	NA	Work, Home, Other, etc.	Type of address.
CustomerGeoCode	Text	Yes	NA	78901	Since a customer can have multiple addresses, this property defines the Geo code of

Name	Type	Required	Default	Sample Value	Description
					the customer's address.
RemoveCustomerAddress	Boolean	Optional	False	False	Remove the customer's address.
CustomerLatitude	Numberic	Optional	42.0502791	42.0502791	Default value from configuration setting.
CustomerLongitude	Numberic	Optional	-87.6821998	-87.6821998	Default value from configuration setting.
EligibleForAlignment	Boolean	Optional	False	False	This column will decide whether the secondary address can be used to generate ZIP-based alignment.

	<p>Note: You can configure Default Customer lat_long in configuration file. The configuration keys are default_customer_latitude and default_customer_longitude.</p>
---	---

Product

The table below lists the object parameters for the product.

Name	Type	Default	Sample Value	Description
ProductId	Text	NA	AGE 1	Defines the unique identifier of the product to be added in the system.
ProductName	Text	NA	Agen	Name of the product to be added in the system.
RemoveProduct	Boolean	False	False	Remove the product from the system.
EffectiveStartDate	Date	NA		Date from which the record should be active in the system.
RemovedStarting	Date	NA		Date from which the record will be deleted/removed from the system.
EffectiveEndDate	Date	NA		Date from which the record will be inactive in the system.
LastUpdatedDateFrom	Date	NA		System date on which the last change was made to the record.

Customer Product Custom Fields Export

This table describes the attributes required for customer-product data entries including identifiers, custom fields, and effective dates.

Name	Type	Sample Value	Description
CustomerID	Text	A000G3	Defines the unique identifier of the customer being created.
ProductID	Text	P1003V	Defines the unique identifier of the product to be added in the system.
CustomerCountry	Text	Germany	Defines the country of the customer.

Name	Type	Sample Value	Description
			Note: Only customers from the specified countries will be included in the output if the request includes filters for Country(ies) Name.
CustomFieldID1 (e.g Sales)	Text	1000	This column contains values of Custom field (e.g Sales). There can be 'n' number of custom fields
EffectiveStartDate	Date	1-Jan-20	Effective start date of the record(s) from which the data can be exported.
EffectiveEndDate	Date	31-Jan-99	Effective end date of the record(s) from which the data can be exported.
LastUpdatedDate	Date	1-Jan-20	System date on which the last change was made to the record.



Note: To include a custom field, set the AddCustomFields parameter in the request body to True.

Product Hierarchy

The following table lists the object parameters of the ProductHierarchy.

Name	Type	Sample Value	Description
ProductId	Text	NOB	A unique identifier for the product.
ProductName	Text	Noblacion	Name of the product.
LevelId	Text	BRAND	Product Level.
EffectiveStartDate	Date	1/1/2025	The start date of the record.
EffectiveEndDate	Date	1/1/2030	The end date of the record.
RemoveStarting	Date	1/2/2030	The date from which the record is no longer available.

Business Unit to Product Export

The following table lists the object parameters of the BusinessUnitToProduct.

Name	Type	Sample Value	Description
BusinessUnitId	Text	Primary_Care	A unique identifier for the business unit.
BusinessUnitName	Text	Primary Care	Name of the business unit.
ProductId	Text	NOB	A unique identifier for the product.
ProductName	Text	Noblacion	Name of the product.

Country to Business Unit Export

The following table lists the object parameters of the CountryToBusinessUnit.

Name	Type	Sample Value	Description
CountryId	Text	USA	Unique identifier of the country.
CountryName	Text	USA	Name of the country.
BusinessUnitId	Text	Primary Care	Unique identifier of the business unit.
BusinessUnitName	Text	Primary Care	Name of the business unit.

Product Hierarchy

Structure for exporting product hierarchy details, including product identity, level, effective dates, and removal timeline.

Name	Type	Sample Value	Description
ProductId	Text	NOB	Unique identifier of the product.
ProductName	Text	Noblacion	Name of the product.
LevelId	Text	BRAND	Product Level.

Name	Type	Sample Value	Description
EffectiveStartDate	Date	1/1/2025	Start date of the record.
EffectiveEndDate	Date	1/1/2030	End date of the record.
RemoveStarting	Date	1/2/2030	Date from which the record is not available.

Export Summary API

This API is used to poll the status of an export request and provides access to the generated export file.

Endpoint Details

Endpoint Name	URL	Type	Description
Export Summary API	{baseUrl}/{instance}/file/ExportSummary?JobId=xxx	GET	Retrieves the status and output path of the export job

Response

JSON
<pre>{ "StartTime": "2025-03-27 07:05:33.4532", "Status": "Success", "IsSuccess": true, "FailureMessage": "xxx", "totalTask": 1, "successTask": 1, }</pre>

```

"RunTimeTicks": 1280000,

"ExportFilePath": "s3://aws-a0078-use1-00-q-s3b-shrd-spm-ext01/out/seg-
x/exports/{jobId}/"
}

```

Performance Stats and Supported Volume

The following sections detail various parameters, records, and limitations applicable to the PSR for MVP.

Initial Setup- Records Supported for Bulk Import

This table defines the initial set of records that are supported for bulk imports in the system during the initial configuration.

I/P Objects	No. of records
Country	150
Cluster	25
Business Unit	50
Customer Type	25
Customer	9,600,000
Customer Attribute	9,600,000
Customer Address	13,370,000
Product	1,625

I/P Objects	No. of records
Product Hierarchy	1,625
Customer-Product	35,000,000
Cluster to Country	175
Business Unit to Products	6,500
Country to Business Unit	600
Time Periods	16

Delta Changes - Maximum Records Supported for Bulk Import

This table specifies the maximum allowable changes (additions, edits, deletions) for delta bulk imports.

Object	Add	Edit	Remove
Customer	85,000	85,000	10,000
Customer Attribute	60,000	60,000	NA
Customer Type	25	5	2
Customer Address	190,000	190,000	10,000
Customer Product Attributes	100,000	100,000	NA
Product	400	400	120

Object	Add	Edit	Remove
Product Hierarchy	400	400	120
Cluster to Country	50	50	10
Business Unit to Products	1,300	1,300	700
Country to Business Unit	150	150	60
Time Period	8	8	4

Maximum Custom Field Values

This table outlines the maximum custom field capacity for specific objects within the system.

Objects	Maximum Custom Field Volume
Customer	300
Customer Product	125

In-App Processing Limits

This table defines maximum limits for records and various conditions that can be processed simultaneously within the application.

Entity	Max Records
No. of HCPs for Scenario Execution (Filtered Universe)	1,500,000
Business Unit to Products	120
No. of Filter Conditions in Scenario	Primary Level: 10; Secondary Level: 5
No. of Dimensions	2

Entity	Max Records
No. of Groups for a Dimension	6
No. of Rule Conditions for a Dimension	36 (6x6)
No. of Segments in a Scenario	7-10
No. of Overrides via Bulk	300,000
No. of Overrides via UI	500
No. of Geo-Business Unit Tiles Created on System	65
No. of max scenarios (Published + Draft) under 'a' Geography- Business Unit tile	60
No. of Max Scenarios (Published + Draft) in System	2,600
No. of max Dimensions customized in a scenario	2
No. of max custom fields used in a customized dimension	10

User Support Limits

This table specifies the number of users supported for different operational roles and simultaneous operations within the system.

Operation	User Supported	Comments
Admin Users	50	
Business Users	350	
No. of Geo-Business Unit Tiles Assigned to a Business User	40	
Simultaneous User Logins	10	The system is designed and benchmarked to handle up to 10

Operation	User Supported	Comments
		simultaneous users logging at the same time.
Simultaneous Users with Read Operations	3	3 users can perform Read operations simultaneously over the course of an hour. Read operations generally involve viewing the analysis charts, scenarios, etc.
Simultaneous Users Performing Write/Change Operations	7	Up to 7 users can perform write operations simultaneously. This typically refers to actions such as setting up filters, dimension criteria, overwrites, etc.

Maximum Records Supported During File Export

The following detailed records are supported during file exports per object.

Objects	Records
Segmented Customers	1,500,000
Customer Type	24
Product / Product Hierarchy	1,625
Country	150
Customer/ Customer Attribute	9,600,000
Customer Address	13,370,000
Country to Business Unit	600
Business Unit to Products	6,500

Objects	Records
Customer-Product	8,500,000 *Note: This number could be across multiple countries. Also, there is an option to support larger exports (up to 25 million records) on demand. Kindly reach out to ZS Support
Business Unit	50
Time Periods	16
Cluster	25
Cluster to Country	175