

Import/Export API Overview

The Import/Export tool can be used through the API as well as through the user interface in the KCCP Admin. Using the APIs you can write integrations that can upload data into KCCP at blazing speed. Any bulk data load into KCCP should use the Import/Export APIs if the data resource is supported.

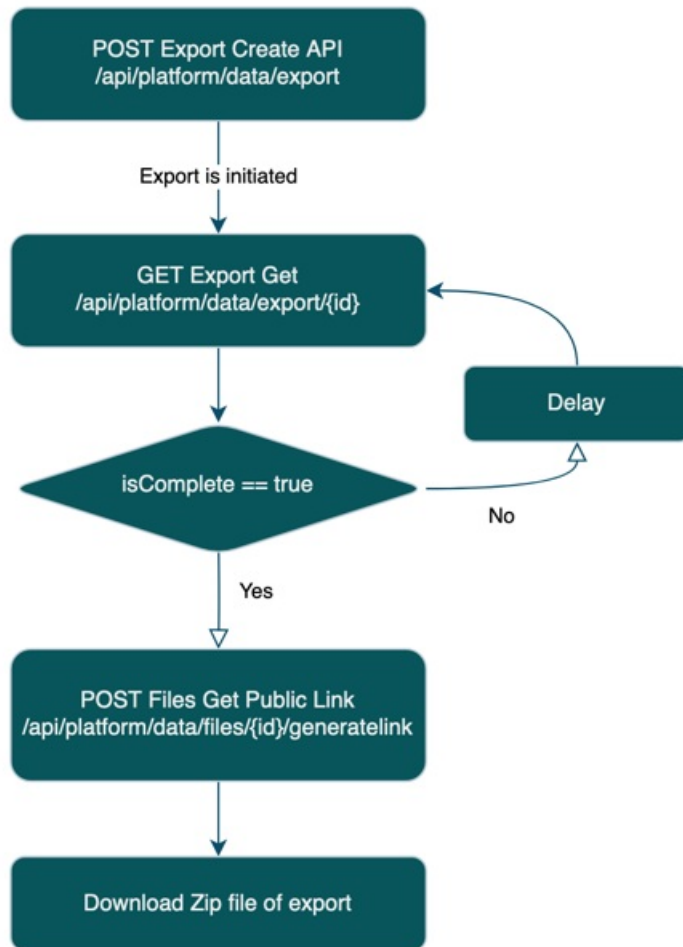
These APIs are used internally by the Import/Export 3.0 UI, so you can use the UI to export files which can then be modified and imported by the API. Similarly, you can create an export via API, and import it in the [Import/Export 3.0 UI](#).

Overview

The import and export APIs use a series of API calls to coordinate the process of getting data in and out of Kibo. File upload and download is handled separately than the creation of the jobs themselves. The API calls for the jobs are asynchronous in that none of the API calls will block for the jobs to complete, you must poll for the results.

The following diagrams show the general process of the series of API calls needed for both export and import:

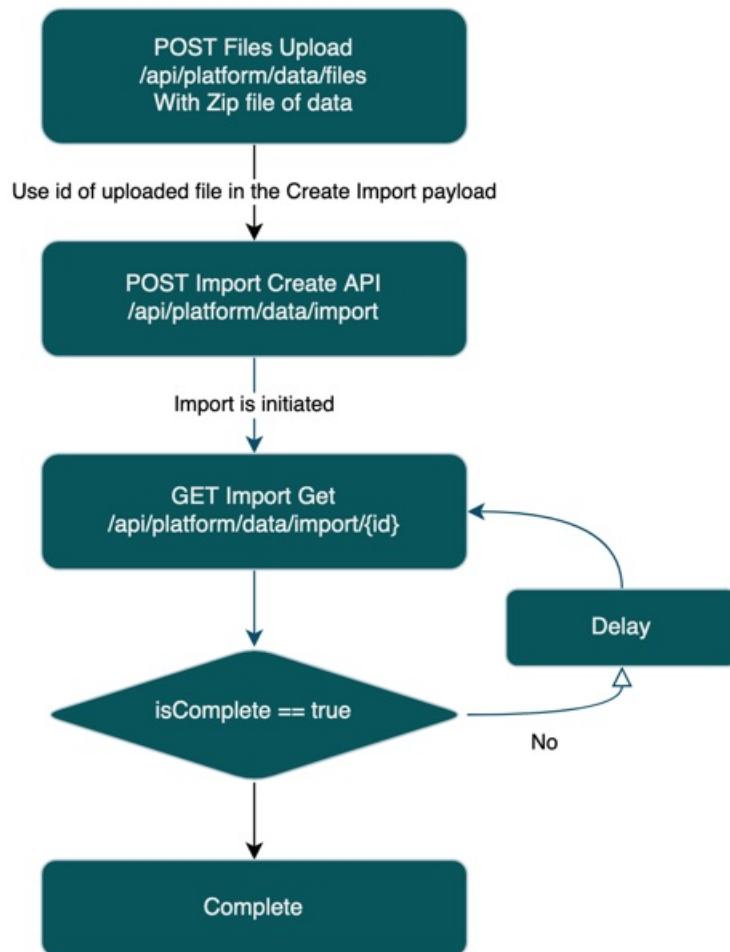
Export Process



The export process is as follows:

1. Form a JSON payload describing the export that you want to perform, then POST it to the [Export Create API](#).
2. The [Export Create API](#) returns an ID which is used to track the export process.
3. Poll the [Export Get API](#) until you see that the `isComplete` field is `true` . (typically every few seconds) When it is true, inside the `files` key in the JSON there will be an object where `"fileType": "export"` , then take that ID.
4. Use the POST [Files Get Public Link API](#) with that ID, which gives you the contents of the export.

Import Process



The import process is as follows:

1. Create a ZIP file containing the CSV files you want to import. Then POST it to the [Files Upload API](#). This returns an ID.
2. Call the [Import Create API](#), referencing the file that you uploaded in the previous step. You will then receive an ID that you can use to track the import.
3. Poll the [Import Get API](#) until you see that the `isComplete` field is `true`. Once this field returns as true, then the import is complete.

A First Example in Postman

First, make sure that you have the autogenerated Postman collection set up. See [Getting Started with your API](#) for details.

1. POST this payload to the [Export Create API](#):

```
{
  "name": "Export",
  "domain": "catalog",
  "resources": [
    {
      "resource": "Products",
      "format": "legacy"
    }
  ],
  "format": "legacy"
}
```

2. Call the [Export List API](#) to see all of the recent exports. Refresh until `isComplete` is true. You will receive a result like this:

```
[
  {
    "name": "Export",
    "id": "12f69402-e8ea-44d4-b2b5-b2d5fe5e9f27",
    "requester": "9154becb518b42ffb5d0a82519abd75a",
    "tenant": 39668,
    "domain": "catalog",
    "resources": [
      {
        "resource": "Products",
        "format": "legacy",
        "status": "complete",
        "isComplete": true,
        "stateDetails": "Duration: 0.0390942 seconds"
      }
    ],
    "format": "legacy",
    "status": "complete",
    "isComplete": true,
    "files": [
      {
        "id": "cbcfbbfb-bc4c-4132-ab0a-8a6fe1e2a9cb",
        "locationType": "internal",
        "fileName": "catalog_export.zip",
        "fileType": "export"
      }
    ],
    "auditInfo": {
      "updateDate": "2023-09-20T14:26:13.887Z",
      "createDate": "2023-09-20T14:26:11.327Z"
    }
  }
]
```

3. Then call [Files Get Public Link](#) on the ID of the export, in this case `cbcfbbfb-bc4c-4132-ab0a-8a6fe1e2a9c`. This will return a pre-signed URL which you can paste in a web browser to retrieve the product data of the tenant that you just exported.

Removing Product Properties

By default, if you leave a product property blank, it will not clear the property in KCCP to prevent deletion of data. If you really need to clear a product property, use the `~delete~` sentinel as the value of the property to remove the property in the product in KCCP.

Exporting Optional Fields

Note that by default, all fields of resource are not exported. So for example, there is a `Description` field on the `Attribute` resource, but it is not exported by default, you must include it in the `fields` array. The full list of optional fields is specified in the Field List JSON.

Using Context Override

You can use the `contextOverride` field in an import to specify which catalogs or sites the data should be uploaded to:

```
"contextOverride": {
  "locale": "en-US",
  "currency": "USD",
  "masterCatalog": 2,
  "catalog": 5,
  "site": 54321
}
```

Note that this field is required for `ProductImages` upload.

End of Central Directory Issues

If you ever receive errors about “End of Central directory”, this is most likely related to the file that was uploaded. It must be of zip file format, even if there is a single file. So for example, if you only want to update the Products resource, you need to take your file `products.csv`, zip it, and then upload the resulting zip file.

Example file structure for a single resource:

```
catalog.zip
- products.csv
```

Product Images

In order to generate a `ProductImages` import file, it is recommended that as part of the image import process, a mapping is generated between the ``cms-id`` generated from upload and the product code it should apply to. This association can be used to generate an import CSV.

[productimages.zip](#) 

Field List Specification

The following is a full JSON listing of the fields, which can be used for reference for what resources are available, and for those resources, what fields are required and optional.

```
{
  "Attributes": {
    "format": "Legacy",
    "resource": "Attributes",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
      "required": [
        "MasterCatalogName",
        "AttributeCode",
        "AttributeName",
        "DataType",
        "InputType",
        "IsExtra",
        "IsOption",
        "IsProperty",
        "Namespace",
        "SearchableInStorefront",
        "SearchableInAdmin",
        "SearchDisplayValue"
      ],
      "optional": [
        "Description"
      ]
    }
  },
  "AttributeValues": {
    "format": "Legacy",
    "resource": "AttributeValues",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
      "required": [
        "MasterCatalogName",
        "AttributeCode",
        "DataType",
        "Namespace",
        "Value",
        "Name",
        "DisplayOrder"
      ],
      "optional": []
    }
  },
  "ProductTypes": {
    "format": "Legacy",
    "resource": "ProductTypes",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
      "required": [
        "MasterCatalogName",
        "ProductType",

```

```
"Standard",
"Configurable",
"Bundle",
"Component"
],
"optional": [
  "GoodsType"
]
},
"ProductTypeAttributes": {
  "format": "Legacy",
  "resource": "ProductTypeAttributes",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "MasterCatalogName",
      "ProductType",
      "AttributeCode",
      "Type",
      "Order"
    ],
    "optional": [
      "IsRequiredByAdmin",
      "IsHiddenProperty",
      "IsMultiValueProperty"
    ]
  }
},
"ProductTypeAttributeValues": {
  "format": "Legacy",
  "resource": "ProductTypeAttributeValues",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "MasterCatalogName",
      "ProductType",
      "AttributeCode",
      "Type",
      "VocabularyValue"
    ],
    "optional": []
  }
},
"Categories": {
  "format": "Legacy",
  "resource": "Categories",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "CatalogName",
      "CategoryCode",
      "CategoryName",
      "CategoryType"
    ],
    "optional": [
      "CategoryId"
    ]
  }
}
```



```
    "CategoryCode",
    "ParentCategoryCode",
    "Expression",
    "IsDisplayed",
    "IsActive",
    "Sequence",
    "MetaTagTitle",
    "MetaTagDescription",
    "PageTitle",
    "CategoryDescription",
    "MetaTagKeyWords",
    "SEOURl"
  ]
}
},
"CategoryImages": {
  "format": "Legacy",
  "resource": "CategoryImages",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "CatalogName",
      "CategoryCode",
      "ImageName"
    ],
    "optional": [
      "LocaleCode",
      "AltText",
      "ImageLabel",
      "Order"
    ]
  }
},
"SortDefinitions": {
  "format": "Legacy",
  "resource": "SortDefinitions",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "CatalogName",
      "CategoryCode",
      "ProductSortDefinitionId",
      "Name"
    ],
    "optional": [
      "StartDate",
      "EndDate",
      "PrimaryAttribute",
      "PrimaryDirection",
      "SecondaryAttribute",
      "SecondaryDirection"
    ]
  }
},
"ProductRankings": {
  "format": "Legacy",
  "resource": "ProductRankings",
  "deleteOmitted": false,
```

```
"configuration": {},
"fields": {
  "required": [
    "CatalogName",
    "CategoryCode",
    "SortDefinitionId",
    "ProductCode",
    "Position"
  ],
  "optional": [
    "Locked"
  ]
}
},
"Products": {
  "format": "Legacy",
  "resource": "Products",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "MasterCatalogName",
      "ProductCode",
      "ProductType",
      "ProductUsage",
      "ProductName",
      "Price",
      "VariationPricingMethod",
      "PackageWeight",
      "PackageLength",
      "PackageWidth",
      "PackageHeight"
    ],
    "optional": [
      "SalePrice",
      "Cost",
      "MSRP",
      "MAP",
      "MAPEffectiveStartDate",
      "MAPEffectiveEndDate",
      "RestrictDiscount",
      "RestrictDiscountStartDate",
      "RestrictDiscountEndDate",
      "ManufacturerPartNumber",
      "UPC",
      "DistributorPartNumber",
      "IsTaxable",
      "ManageStock",
      "IsPackagedStandAlone",
      "OutOfStockBehavior",
      "FulfillmentTypes",
      "ProductShortDescription",
      "ContentFullProductDescription",
      "ContentFullProductDescription2",
      "ContentFullProductDescription3",
      "SEOMetaTagTitle",
      "SEOMetaTagDescription",
      "SEOMetaTagKeywords",
      "SEOFriendlyURL"
    ]
  }
}
```

```
    },
  },
  "ProductPropertyLocale": {
    "format": "Legacy",
    "resource": "ProductPropertyLocale",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
      "required": [
        "MasterCatalogName",
        "ProductCode",
        "AttributeName"
      ],
      "optional": [
        "Value"
      ]
    }
  },
  "ProductCatalog": {
    "format": "Legacy",
    "resource": "ProductCatalog",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
      "required": [
        "MasterCatalogName",
        "CatalogName",
        "ProductCode",
        "IsActive"
      ],
      "optional": [
        "CategoryCodes",
        "ProductName",
        "Price",
        "SalePrice",
        "MSRP",
        "MAP",
        "MAPEffectiveStartDate",
        "MAPEffectiveEndDate",
        "ProductShortDescription",
        "ContentFullProductDescription",
        "SEOMetaTagTitle",
        "SEOMetaTagDescription",
        "SEOMetaTagKeywords",
        "SEOFriendlyURL"
      ]
    }
  },
  "ProductBundles": {
    "format": "Legacy",
    "resource": "ProductBundles",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
      "required": [
        "MasterCatalogName",
        "ProductCode",
        "Code",
        "Quantity"
      ]
    }
  }
}
```

```

    ],
    "optional": [
      "Name"
    ]
  }
},
"ProductOptions": {
  "format": "Legacy",
  "resource": "ProductOptions",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "MasterCatalogName",
      "ProductCode",
      "VariationCode",
      "Enabled"
    ],
    "optional": [
      "ExtraPrice",
      "FixedListPrice",
      "FixedSalePrice",
      "FixedMSRP",
      "DeltaMSRP",
      "FixedWeight",
      "ExtraWeight",
      "ExtraCost",
      "FulfillmentTypes",
      "MfgPartNo",
      "UPC",
      "DistPartNo"
    ]
  }
},
"ProductExtras": {
  "format": "Legacy",
  "resource": "ProductExtras",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "MasterCatalogName",
      "ProductCode",
      "AttributeCode",
      "Value"
    ],
    "optional": [
      "RequiredByShopper",
      "Defaulted",
      "MultiSelect",
      "Quantity"
    ]
  }
},
"ProductOptionsLocale": {
  "format": "Legacy",
  "resource": "ProductOptionsLocale",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {

```

```
    "required": [
      "MasterCatalogName",
      "ProductCode",
      "VariationCode"
    ],
    "optional": [
      "Currency",
      "Extra Price",
      "Extra MSRP",
      "Extra Credit Value",
      "Fixed List Price",
      "Fixed Sale Price"
    ]
  }
},
"ProductImages": {
  "format": "Legacy",
  "resource": "ProductImages",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "MasterCatalogName",
      "ProductCode",
      "Name"
    ],
    "optional": [
      "Sequence",
      "AltText",
      "ImageLabel",
      "VideoUrl"
    ]
  }
},
"LocationTypes": {
  "format": "Legacy",
  "resource": "LocationTypes",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "LocationTypeCode",
      "LocationTypeName"
    ],
    "optional": []
  }
},
"Locations": {
  "format": "Legacy",
  "resource": "Locations",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "LocationTypeCodes",
      "LocationCode",
      "Name",
      "IsDisabled",
      "Address1",
```

```
"AddressType",
"CityOrTown",
"CountryCode",
"PostalOrZipCode",
"StateOrProvince",
"Shipping Contact CompanyOrOrganization",
"Shipping Contact PhoneNumber",
"SupportsInventory",
"AllowFulfillmentWithNoStock",
"Latitude",
"Longitude",
"Express",
"TransferEnabled",
"IncludeInLocationExport",
"IncludeInInventoryAggregate",
"WarehouseEnabled"
],
"optional": [
  "Description",
  "FulfillmentTypes",
  "Address2",
  "Address3",
  "Address4",
  "Shipping Contact Email",
  "Shipping Contact FirstName",
  "Shipping Contact LastNameOrSurname",
  "Shipping Contact MiddleNameOrInitial",
  "Fax",
  "Phone",
  "Notes",
  "Tags",
  "Hours of operation - Sunday",
  "Hours of operation - Monday",
  "Hours of operation - Tuesday",
  "Hours of operation - Wednesday",
  "Hours of operation - Thursday",
  "Hours of operation - Friday",
  "Hours of operation - Saturday",
  "LastModifiedDate"
]
}
},
"LocationInventory": {
  "format": "Legacy",
  "resource": "LocationInventory",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "MasterCatalogName",
      "ProductCode",
      "LocationCode"
    ],
    "optional": [
      "ParentProductCode",
      "StockOnHand",
      "StockUpdateOption",
      "StockOnBackOrder",
      "StockAvailable"
    ]
  }
}
```

```
    }
  },
  "Images": {
    "format": "Legacy",
    "resource": "Images",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
      "required": [
        "MasterCatalogName",
        "ImageUrl"
      ],
      "optional": [
        "Name",
        "Id",
        "Tags"
      ]
    }
  },
  "LocationGroup": {
    "format": "Legacy",
    "resource": "LocationGroup",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
      "required": [
        "LocationGroupCode",
        "Name",
        "LocationCodes",
        "SiteIds"
      ],
      "optional": [
        "LastModifiedDate"
      ]
    }
  },
  "LocationGroupConfiguration": {
    "format": "Legacy",
    "resource": "LocationGroupConfiguration",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
      "required": [
        "LocationGroupCode",
        "SiteId",
        "CustomerFailedToPickupAfterAction",
        "CustomerFailedToPickupDeadline",
        "SendCustomerPickupReminder",
        "DefaultCarrier",
        "PrintReturnLabel",
        "DefaultPrinterType"
      ],
      "optional": [
        "LastModifiedDate"
      ]
    }
  },
  "LocationGroupBoxTypeConfig": {
    "format": "Legacy",
```

```
"resource": "LocationGroupBoxTypeConfig",
"deleteOmitted": false,
"configuration": {},
"fields": {
  "required": [
    "LocationGroupCode",
    "SiteId",
    "Name",
    "Height",
    "Length",
    "Width"
  ],
  "optional": []
}
},
"LocationGroupCarrierConfig": {
  "format": "Legacy",
  "resource": "LocationGroupCarrierConfig",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "LocationGroupCode",
      "SiteId",
      "CarrierType",
      "IsEnabled",
      "EnableSmartPost",
      "Express1DayDefault",
      "Express2DayDefault",
      "Express3DayDefault",
      "ReturnLabelShippingMethod",
      "ShippingMethods",
      "StandardDefault"
    ],
    "optional": []
  }
},
"Pricelists": {
  "format": "Legacy",
  "resource": "Pricelists",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "MasterCatalogName",
      "PriceListName",
      "PriceListCode",
      "Enabled",
      "ValidForAllSites",
      "ValidSites"
    ],
    "optional": [
      "ParentPriceListCode",
      "Description",
      "FilteredInStorefront",
      "IndexedSites",
      "DefaultForSites",
      "MappedCustomerSegments",
      "Resolvable",
      "ResolutionPool"
    ]
  }
}
```



```
        ResolutionRank ,
        "CreatedBy"
    ]
}
},
"PricelistEntries": {
    "format": "Legacy",
    "resource": "PricelistEntries",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
        "required": [
            "MasterCatalogName",
            "PriceListCode",
            "ProductCode",
            "CurrencyCode",
            "StartDate",
            "IsVariation"
        ],
        "optional": [
            "ProductName",
            "OptionSummary",
            "EndDate",
            "PriceListEntryMode",
            "MsrpMode",
            "Msrp",
            "CostMode",
            "Cost",
            "MapMode",
            "Map",
            "MapStartDate",
            "MapEndDate",
            "DiscountsRestricted",
            "DiscountsRestrictedMode",
            "DiscountsRestrictedStartDate",
            "DiscountsRestrictedEndDate",
            "CreatedBy",
            "PriceListEntryTypeCode"
        ]
    }
},
"PricelistEntryPrices": {
    "format": "Legacy",
    "resource": "PricelistEntryPrices",
    "deleteOmitted": false,
    "configuration": {},
    "fields": {
        "required": [
            "MasterCatalogName",
            "PriceListCode",
            "ProductCode",
            "CurrencyCode",
            "StartDate",
            "MinimumQuantity"
        ],
        "optional": [
            "ListPriceMode",
            "SalePriceMode",
            "ListPrice",
            "SalePrice"
        ]
    }
}
```

```
    ]
  }
},
"PricelistEntryExtras": {
  "format": "Legacy",
  "resource": "PricelistEntryExtras",
  "deleteOmitted": false,
  "configuration": {},
  "fields": {
    "required": [
      "MasterCatalogName",
      "PriceListCode",
      "ProductCode",
      "CurrencyCode",
      "StartDate",
      "AttributeFQN",
      "Value",
      "Price"
    ],
    "optional": [
      "DisplayValue",
      "AttributeCode"
    ]
  }
}
}
```

Sample Data

[sample.zip](#) 