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Step 1/2

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title: Prepare Your Migration Data

keywords: bigcommerce migration, product data import, category mapping, data transformation, api data migration, product variants, ecommerce data prep, csv import, product images migration, custom fields, taxonomy mapping, product schema, data validation, storefront visibility, bulk product upload

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## Prepare Your Migration Data

While some systems may allow a direct or near-direct connection between your current store and BigCommerce, using such a connection will likely cause unforeseen errors. For best results, some preparation will help reduce migration time and roadblocks.

### Identify Source Data

<Callout type="info">

If your primary data source is an ERP, product CMS, or other external system (not your ecommerce platform), proceed directly to [Create a Data Mapping](#create-a-data-mapping).</Callout>

Export all data from your current platform. Export procedures vary by ecommerce platform. Consult platform-specific documentation.

- For best results, use either a spreadsheet ([CSV](#) format is sufficient) or a SQL database if possible to ensure straightforward data mapping.
- Carefully review headers and data for accuracy and completeness after export. This will provide a higher level of familiarity with the data, informing next steps when mapping from your current data to BigCommerce.

Review the following BigCommerce API resources before starting your migration:

- [Catalog API](#) - the family of endpoints related to adding, updating, and deleting products and product data.
- [API Best Practices](#) - information on recommended usage.
- [API Rate Limits](#) - information on platform limits that will affect your migration.

<Callout type="info">

Certain Catalog API endpoints impose restrictions exceeding standard documented rate limits.</Callout>

To avoid potential issues and errors, verify each endpoint's limitations prior to your active migration.

<Callout type="warning">

Some special characters may cause inaccuracies in export data or the import process. If you're using CSV for data export, ensure your file is encoded using UTF-8 characters.

</Callout>

Before migration, remove any data you don't want transferred to BigCommerce. Filtering this data before migration reduces complexity and saves time.

- Document the filtering criteria and back up any removed data. This minimizes the risk of accidental data loss and ensures you can replicate the process for future syncs.
- Examples of products that may need to be excluded: disabled, permanently out-of-stock, and products that don't easily map to BigCommerce automatically.

## Create a Mapping Plan

<Callout type="info">

Ensure you understand the BigCommerce product schema and taxonomy before mapping your data.

</Callout>

Some BigCommerce fields may map differently than in your current system, especially for large catalogs or simpler data models.

- The following fields are required for [product creation](#):
  - Name - the name of the product as displayed on the storefront
  - Type - whether the product is physical or digital
  - Weight - the shipping weight of the product (set to `0` for digital products)
  - Price - the base price of the product in the store's default currency
- The following product fields are read-only, unavailable for direct editing:
  - ID - the server-assigned product ID used in all automated BigCommerce operations
  - Date Created - the timestamp saved when the product was created in BigCommerce, regardless of the method used
  - Date Modified - the timestamp saved during the most recent product update
  - Calculated Price - the price of the product once set adjustments are applied based on options and other features
  - Base Variant ID - the server-assigned variant ID treated as default for the product

Some data fields will likely function differently in BigCommerce than in your current ecommerce solution or source of truth. A few examples include

- [\*\*Custom Fields\*\*](#)
  - In BigCommerce, custom fields serve as static filterable data for products.

- Each custom field requires a field name and a specific value, both of which are text information.
- Custom fields are displayed by default. Data not intended to display should be implemented with [Metafields](#) instead.
- Some unstructured data such as notes, extra attributes, and non-native fields will need to be transformed into either custom fields or metafields prior to migration if they are to be preserved in BigCommerce.
- **Related Products**
  - Related products are assigned to a given product by product ID
  - Explicitly setting products as related requires direct assignment of IDs
- [\*\*URLs and 301 Redirects\*\*](#)
  - By default, BigCommerce creates [SEO Optimized, short](#) URLs for new products and categories.
  - If you prefer to maintain your existing URLs, you can migrate them directly using the `custom_url` field during product creation.
- **Price Mapping**
  - BigCommerce supports several distinct price fields, which may differ from your current source of truth:
    - Price - the price you normally charge for a single unit of the product
    - Retail Price - the product's manufacturer suggested retail price
    - Map Price - the minimum advertised price of the product
    - Sale Price - the price you are charging for the product while it's on sale
    - Cost Price - the price required for keeping a single unit of the product in stock
    - Calculated Price - the price of the product once set adjustments are applied based on options and other features
  - Carefully analyze your product pricing fields prior to migration to ensure correct mapping.

## Field Mapping Reference

Product options and channel assignments are not managed in the main products API.

- To assign channels, use [Channel Assignments](#).
- For information on product options, see [Product Modifiers](#), [Product Variants](#), and [Product Variant Options](#).

Refer to the table below for a selection of frequently utilized API fields.

<Callout type="info">

Some fields in the list below are required to be unique. For complete information on unique fields, refer to the Catalog API specification.

</Callout>

Field Name	API Field Identifier	Data Type	Description
Name (required)	name	string	The name of the product, as displayed on the storefront.
Type (required)	type	string	The type of the product, either "physical" or "digital".
SKU	sku	string	The stock keeping unit. Only accepts numbers, letters, hyphens, underscores, and spaces.
Description	description	string	The product description as shown on product detail pages.
Weight (required)	weight	number	The shipping weight of the product, in the units configured in your store settings.
Width	width	number	The shipping width of the product, in the units configured in your store settings.
Depth	depth	number	The shipping depth of the product, in the units configured in your store settings.
Height	height	number	The shipping height of the product, in the units configured in your store settings.
Price (required)	price	number	The product's default price, provided in the store's default currency, with taxes included or excluded based on your store settings.
Cost Price	cost_price	number	The product's cost price, provided in the store's default currency.
Retail Price	retail_price	number	The manufacturer suggested retail price, provided in the store's default currency, with taxes

Field Name	API Field Identifier	Data Type	Description
			included or excluded based on your store settings.
Sale Price	<code>sale_price</code>	<code>number</code>	The product's current sale price, provided in the store's default currency, with taxes included or excluded based on your store settings.
Tax Class	<code>tax_class_id</code>	<code>integer</code>	The ID of the tax class assigned to the product. Tax classes are configured in your store settings. If you're using an automated tax provider, you may also need the <code>product_tax_code</code> .
Categories	<code>categories</code>	<code>array</code>	An array of the category IDs to which the product is assigned.
Brand ID	<code>brand_id</code>	<code>integer</code>	The brand to which the product is assigned.
Current Stock	<code>inventory_level</code>	<code>integer</code>	The current number of product units in stock, if tracked.
Low Stock	<code>inventory_warning_level</code>	<code>integer</code>	The stock level at which restocking becomes necessary.
Inventory Tracking	<code>inventory_tracking</code>	<code>string</code>	One of " <code>product</code> ", " <code>variant</code> ", or " <code>none</code> ", indicating how or if inventory is tracked on the product.
Fixed Shipping Cost	<code>fixed_cost_shipping_price</code>	<code>number</code>	The per-unit shipping cost, if the product uses it. Set to <code>0</code> if the feature is not used.
Free Shipping	<code>is_free_shipping</code>	<code>boolean</code>	Indicates whether the product is excluded from other shipping calculations. If <code>true</code> the product will ship for free and be excluded from other calculations unless

Field Name	API Field Identifier	Data Type	Description
			your shipping settings explicitly ignore this field.
Is Visible	<code>is_visible</code>	<code>boolean</code>	Indicates whether the product is visible on the storefront. If <code>false</code> , the product will be inaccessible, even if it is assigned to a specific channel.
Is Featured	<code>is_featured</code>	<code>boolean</code>	Indicates whether the product will be included in the Featured Products section on your storefront.
Warranty	<code>warranty</code>	<code>string</code>	Warranty terms and conditions to be displayed on the product detail page. If no warranty is provided, the section will not display by default.
Bin Picking Number	<code>bin_picking_number</code>	<code>string</code>	The bin picking number used in a fulfillment workflow. If you don't use bin picking as a fulfillment process, this may be omitted.
UPC/EAN	<code>upc</code>	<code>string</code>	The UPC or other related product identifier.
Search Keywords	<code>search_keywords</code>	<code>string</code>	Comma separated search keywords that can be used by the built-in BigCommerce storefront search to find the product. This field may be ineffective if you're using a <a href="#">headless commerce solution</a> or a custom search tool.
Sort Order	<code>sort_order</code>	<code>integer</code>	A 32-bit integer indicating the product's relative position on product listing pages when the Featured sort option is selected. Negative values place the product closer to the front, while

Field Name	API Field Identifier	Data Type	Description
			positive values place the product closer to the back.
Product Condition	condition	string	One of "New", "Used", or "Refurbished", indicating the condition of the product
Show Product Condition	is_condition_shown	boolean	Indicates whether the product condition is displayed on the storefront.
Page Title	page_title	string	The SEO title for the product detail page.
Meta Keywords	meta_keywords	array	An array of SEO keywords used for page ranking on some search engines.
Meta Description	meta_description	string	The SEO description for the product detail page.
Product URL	custom_url	object	An object indicating the state of the product's custom URL and whether a redirect is necessary.
Global Trade Number	gtin	string	The <a href="#">Global Trade Item Number</a> of the product used by some sales channels for proper tracking and identification.
Manufacturer Part Number	mpn	string	The manufacturer part number of the product, used to guarantee that customers are viewing the correct item.
<a href="#">Custom Fields</a>	custom_fields	array	An array of objects that include the name and value of each custom field associated with the object.
<a href="#">Images</a>	images	array	An array of objects containing image data.

Field Name	API Field Identifier	Data Type	Description
<a href="#">Videos</a>	<code>videos</code>	array	An array of objects containing video data.
Variants	<code>variants</code>	array	An array of objects containing variant data.
<a href="#">Bulk Pricing</a>	<code>bulk_pricing_rules</code>	array	An array of objects containing bulk pricing data.
Related Products	<code>related_products</code>	array	An array of numeric product IDs for related products.

## FAQ

- 1. What are the most efficient ways to export product data from my legacy store for migration into BigCommerce?**

Use your source platform's native export tools to generate CSV or SQL files, or leverage its API if available for direct data extraction. Choose the format that best matches your mapping and transformation needs. Always verify data accuracy post-export.

- 2. How do I map complex or custom product fields from my source system to BigCommerce's schema?**

Identify all custom fields in your source data and review BigCommerce's [custom fields](#) and [metafields](#). Map each source field to the most appropriate type of BigCommerce field, transforming formats or structures as needed. Document your mappings for consistency.

- 3. What is the best way to handle images and digital assets during product migration?**

Ensure all product images and files are organized and accessible, with URLs or file names correctly referenced in your data. Upload images via the BigCommerce API or through bulk import features, and validate that each product record correctly links to its images after migration.

- 4. How do I handle product variants, options, or bundles when the source and target systems structure them differently?**

Analyze how your source platform represents variants, options, and bundles. In BigCommerce, use the [variants](#), [modifiers](#), and related APIs to recreate these relationships.

**5. How should I document and track my data mapping and transformation rules for future reference or audits?**

Maintain a mapping spreadsheet or document that clearly records each source field, its transformation logic, and the target BigCommerce field. Include examples and version your mapping documentation to track changes over time.

**6. What are common issues encountered during product data migration to BigCommerce, and how can I troubleshoot them?**

Common issues include data validation errors, missing required fields, mismatched categories, or broken image links.

Troubleshoot by running validation scripts pre-import, performing test imports with small data batches to catch issues early, reviewing error logs to understand how issues should be addressed.

**7. How do I ensure SEO continuity, including URLs and redirects, during migration?**

Map your legacy URLs to BigCommerce's structure using the `custom_url` field for products and categories. Set up 301 redirects for any changed URLs using the [Redirects API](#) or admin tools to preserve SEO rankings and avoid broken links.

## Resources

- [BigCommerce Catalog API Documentation](#)
- [API Best Practices](#)
- [API Rate Limits](#)

# Step 3

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title: Test a Limited Dataset

keywords: bigcommerce, data migration, api testing, catalog import, product data, sandbox environment, test automation, edge case validation, data integrity, partial migration, data cleanup, api rate limits, product relationships, scripting, data validation

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## Test a Limited Dataset

In order to properly prepare data for migration, data validation and testing are essential steps to provide improved efficiency during the full implementation.

### Prepare a Representative Sample

Before attempting to load any data, be sure to familiarize yourself with the [BigCommerce API Best Practices and Rate Limits](#).

To ensure a smooth execution during migration, prepare a subset of your catalog to perform a partial migration as a test. This should be around **50** to **1000** data records, depending on the size and complexity of your catalog, that cover a broad range of potential product configurations

If your catalog contains any of the following, ensure that your representative sample contains at least one product with each to test the associated BigCommerce APIs.

- SKU modifying product options - Product Variants and Product Variant Options
- Non-SKU modifying product options - Product Modifiers
- Static data visible to customers - Custom Fields
- Static data **not** visible to customers - Metafields

Select a mix of data for testing, intentionally including records with inconsistencies, missing fields, edge-case values, or legacy formatting, as these samples are most likely to surface real-world migration issues.

<Callout type="info">

If you haven't yet, configure your complete category tree and brands prior to loading your representative sample to ensure accurate assignments to each.

</Callout>

<Callout type="important">

Understand that BigCommerce handles data deletion and archiving differently.

[Products](<https://developer.bigcommerce.com/docs/rest-catalog/products>) and [Customers](<https://developer.bigcommerce.com/docs/rest-management/customers>) can be

deleted, but [Orders](<https://developer.bigcommerce.com/docs/rest-management/orders>) can only be archived.

As incorrect order migration can directly impact billing, it is imperative to fully understand these distinctions and their migration implications.

Conduct all initial data migration tests in a sandbox environment if possible.

</Callout>

Once you've identified a representative sample, begin the partial migration.

<Callout type="info">

If you use Postman as your primary API client, you can use the [BigCommerce V3 API library](<https://www.postman.com/api-evangelist/bigcommerce/documentation/37xvhum/bigcommerce-api-v3>).

</Callout>

1. Create one or more API accounts with [appropriate scopes](#) to make requests to the Catalog API.
  - Product creation requires API authentication keys to ensure secure data management.
2. Create base products.
  - Use the "Create a Product" endpoint to establish individual product records, making sure to associate the product ID with your representative dataset.
  - For optimal error handling during large-scale operations, the best practice is to create individual products rather than using batch creation, even though it is supported.
  - Product variants created simultaneously with the base product will default to display as rectangle lists. For more information on variant display options, see [Variants and Modifiers \(Help Center\)](#).
3. After base product creation, add additional attributes, images, and other data.
  - While some data may be loaded simultaneously with the base product, performing the operation in multiple steps ensures clear error logging and a more consistent product creation experience.

Each Catalog API endpoint's specification is accompanied by one or more example request bodies to clarify format and structure. For more information, review the [Catalog API Reference](#).

## Performing Data Validation and User Acceptance Testing (UAT)

Given potential datatype mismatches and platform limitations, data validation is a key step in ensuring a successful migration. After migrating your representative dataset, you should

- Manually verify a small subset of records against your source of truth to catch any discrepancies; and

- Automate data validation by retrieving migrated data using the [Get All Products](#) endpoint and comparing it programmatically to your source dataset.

By combining manual and automated validation methods, you ensure that your data is complete, accurate, mapped as intended, and behaves as expected.

- Consider using [\[jsonschema\]](#)(<https://pypi.org/project/jsonschema/>) (Python) or [\[deep-diff\]](#)(<https://www.npmjs.com/package/deep-diff>) (Node.js) for schema validation and record comparison.
- Leverage CSV/JSON diff tools to automate dataset checks.
  - [\[json-diff\]](#)(<https://github.com/andreyvit/json-diff>): A widely-used command-line tool and library for comparing JSON files, highlights structural and value differences.
  - [\[csvdiff\]](#)(<https://pypi.org/project/csvdiff/>): A Python library and CLI tool that compares CSV files and highlights row and cell-level differences for tabular data.
  - [\[daff\]](#)(<https://github.com/paulfitz/daff>): A versatile data diff tool supporting CSV/TSV formats, available as a command-line tool and with a web interface, ideal for comparing tables and spreadsheets.

### User Acceptance Testing Resource Checklist

Once you've finished data validation on your sample dataset, user acceptance testing (UAT) is critical. This step ensures your data migration mapping is accurate and functions as expected in both the BigCommerce control panel and storefront.

As part of the UAT process, review the following product fields and storefront behaviors:

Field/Area	What to Review
<b>Product Name and SKU</b>	Ensure product names and SKUs are accurate and mapped correctly.
<b>Product Prices</b>	Confirm product, MSRP, and sale prices are correct in the control panel and storefront. Check price change rules if applicable.
<b>Product/Variant Visibility</b>	Verify visibility settings (hidden/visible) and purchasing behavior (purchasable/not purchasable) for both products and variants.
<b>Inventory Tracking</b>	Check inventory tracking settings and inventory levels for accuracy.
<b>Options &amp; Variants</b>	Confirm product options, variant SKUs, and option types (swatch, dropdown, etc.) are structured and displayed as intended.

Field/Area	What to Review
<b>Custom Fields</b>	Ensure custom fields are present, correctly populated, and that no unwanted fields have been migrated.
<b>Descriptions</b>	Review product descriptions for correct formatting, including HTML, images, videos, PDFs, and links. Ensure links resolve to the correct BigCommerce URLs.
<b>Images / Videos</b>	Check that all product and variant images and videos appear properly in both the control panel and storefront.
<b>Metadata</b>	Review SEO metadata for completeness and correctness.
<b>Product URL Links</b>	Confirm product URLs are formatted according to your migration and cut-over plan.
<b>Recommended Products</b>	If used, verify recommended/related products are set up as expected. <a href="#">See Product Panels documentation</a>
<b>Categories</b>	Ensure categories are created, named, visible, and assigned to the correct channels or storefronts.

Record your findings and any issues in a tracking sheet or ticketing system. Plan for iterative corrections and re-tests as needed before migrating your full catalog.

## Special Considerations

To improve the overall migration experience, the following optional steps will allow more flexibility in automation.

- **Proactively Managing API Traffic**

- During peak platform usage times, the BigCommerce API may return [HTTP 429](#) responses. Implement rest-and-retry logic to handle rate limiting effectively.
- To reduce the likelihood of [HTTP 429](#) responses, disable any third-party API applications on your store during migration, as the BigCommerce API does not distinguish between individual clients when managing rate limits on a single store.

<Callout type="warning">

Be aware of account-level and store-level API quotas (such as product, image, or request limits). Exceeding these can cause partial migrations or silent failures.

</Callout>

- **Error Handling and Reporting**

- Implement comprehensive error reporting to track failed resource transfers.
- Save all API requests during testing to aid in building clarity when unexpected outcomes occur.
- Follow error handling guidance based on specific error types. See Error Handling for more information.

- **Pre-Plan for Data Integrity and Availability**

- Begin with a smaller dataset to verify functionality and data quality while limiting API requests and retries in testing.
- External resources that are unavailable via public HTTP requests cannot be fetched via the BigCommerce API. Upload images and other resources via WebDAV, using resource links local to BigCommerce during product creation.
- Ensure your test dataset includes edge cases such as products with maximum/minimum field values, missing optional data, special characters, and legacy formats to reveal potential issues early.

<Callout type="info">

After migrating your test data, verify storefront display, search, filtering, checkout, and reporting to ensure all features work as expected.

</Callout>

## FAQ

1. **How can I automate the generation of representative and edge-case test datasets for my catalog?**

Use scripting languages (such as Python or Node.js) to extract real records from your source system, and programmatically mutate copies to include edge cases (e.g., missing fields, maximum/minimum values, special characters). Consider sampling actual problematic records from production logs or validation failures.

2. **What are the best practices for scripting API calls to validate data integrity post-migration?**

Automate GET requests to retrieve migrated data from BigCommerce, then compare the results field-by-field with your source dataset. Log differences and use schema validation to catch datatype or structure mismatches.

3. **How do I programmatically compare source and destination data for consistency after a partial migration?**

Export both source and destination datasets as structured data (JSON/CSV), normalize formats, and use diff tools or custom scripts to check for field-level matches and missing/extra records.

**4. How can I handle and retry failed API requests efficiently when rate limits or transient errors occur during test runs?**

Implement exponential backoff and retry logic in your scripts for HTTP 429 (rate limit) or 5xx errors, and monitor response headers for rate limit information to throttle requests as needed.

**5. What is the recommended approach for cleaning up test data (including products, images, and related resources) after validation in a sandbox or production environment?**

Track IDs of all created test resources during migration, and use API DELETE calls or batch operations to remove them once tests are complete. For production, use clear naming conventions or tagging to identify test data for cleanup.

## Resources

- [BigCommerce Catalog API Reference](#)
- [Handling API Errors](#)
- [API Rate Limits Guide](#)
- [Creating a BigCommerce Sandbox Store](#)
- [Using Postman with BigCommerce APIs](#)
- [Community Thread: Data Validation Scripts & Tips](#)
- [WebDAV Overview and Usage](#)
- [Sample Product Import CSV](#)
- [API Accounts and OAuth Scopes](#)

# Step 4

---  
title: Error Handling  
keywords: bigcommerce api, error handling, api status codes, data migration, exponential backoff, rate limits, batch endpoints, api retries, network errors, 4xx errors, 5xx errors, http response codes, api integration, logging best practices, troubleshooting  
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## Error Handling

API operations at scale often return errors instead of successfully completing a given request. The BigCommerce API has two primary classes of error messages that can impact data migration: **4xx** and **5xx**.

For an in-depth list of the various status codes, including errors, and what they mean, see [API Status Codes](#).

### 5xx Error Codes

**5xx** status codes indicate server-side issues. These errors generally cannot be resolved by the client. For transient errors such as **500**, **502**, **503**, or **504**, implement exponential back-off retries, up to a set limit (e.g., 10 attempts), increasing the wait time between each retry. However, other **5xx** errors like **501** or **505** are persistent and should be logged and investigated rather than retried.

While rate limiting typically returns a **429**, you may occasionally receive a **500** for similar scenarios. Handle these with the same retry strategy. For more on handling server errors, see [API Request Architecture](#).

### 4xx Error Codes

**4xx** errors indicate malformed requests or invalid data. For automated operations, log and skip most **4xx** errors for later review, but note that some require immediate attention.

<Callout type="warning">  
Logging and skipping errors can lead to silent data loss. Always review error logs post-migration and generate a summary of skipped records for follow-up.  
</Callout>

Implement robust rate limiting for automated API calls to avoid exceeding [platform rate limits](#).

#### Status code **429**

The API returns this error when you exceed the platform rate limits.

- Once the API returns a [429](#) status, it will likely return [429](#) for subsequent requests unless the rate limit window elapses.
- As a means to avoid this error, BigCommerce APIs include [rate limit headers](#) in responses that provide the information necessary for you to adjust call rates.
- If you do receive a [429](#) status in your response, use either the [X-Rate-Limit-Time-Reset-Ms](#) or the [X-Retry-After](#) header from the response to wait before retrying the request.
- For example, in PHP:

```
PHP
```

```
$milliseconds = $response->getHeader("X-Rate-Limit-Time-Reset-Ms");
usleep($milliseconds * 1000);
```

<Callout type="info">

If both [X-Retry-After](#) and [X-Rate-Limit-Time-Reset-Ms](#) are present, honor the longer of the two wait times.

</Callout>

## Status code [404](#)

The API returns this error either when a request's path does not match an existing endpoint, when a provided parameter does not match existing data, or less commonly when the method of the request is invalid.

- If a [404](#) status is returned for individual API calls, this usually means that some referenced data does not match existing data. In general, this should be logged and skipped, including the exact path, body, and response of the request to investigate the cause later.

## Batch Endpoints

When employing batch endpoints, for example [Update Products \(Batch\)](#), there may be a single item that causes the whole request to fail. Often, the response for batch endpoints will include the index of the failed item. Use this index to remove the item from the request, then retry.

<Callout type="info">

Not every batch endpoint identifies the index or indices of failed items. If the response doesn't specify which items failed in a batch request, you'll need to send each item in separate requests to identify and report the failures.

Do not assume the entire batch succeeded or failed. Process successful items, and retry or log errors for failed ones.

</Callout>

## Status code 422

The API returns this error when a request is formatted incorrectly or contains invalid data.

- A 422 error should typically only occur during testing. If you see it during a large data migration, check your dataset and the data mapping for potential problems.
- You can likely log and skip a single 422 error. However, repeated 422 errors indicate a persistent problem that you must fix before continuing the migration.

<Callout type="info">

Implement thorough client-side validation before sending API requests. If you encounter repeated 422 errors during production data migration, treat this as a critical issue. Pause the migration, fix the data mapping, and only resume once the problem is resolved.

</Callout>

<Tabs items={['Example Bad Request', 'Example 422 Response']}>

<Tab>

Below is an example of a malformed request to the endpoint [Update Products \(Batch\)](#). Due to the requirements of the endpoint, a 422 status code is expected from this request.

JSON

```
[  
  {  
    "name": "test1"  
  },  
  {  
    "name": "test2"  
  }  
]
```

</Tab>

<Tab>

The following is an example 422 response, demonstrating the available information in such a response.

For this endpoint, the error response doesn't list the specific items that failed. Therefore, you'll have to separate the request into individual items and resend them.

In this particular case, the errors listed apply to each item, but that is not likely to be the case in general.

```
JSON
{
  "status": 422,
  "title": "Missing Required Fields",
  "type": "https://developer.bigcommerce.com/api-docs/getting-started/api-status-codes",
  "errors": {
    "name": "Please provide a name.",
    "price": "Please provide a price.",
    "type": "Please provide a type.",
    "weight": "Please provide a weight."
  }
}
```

```
</Tab>
</Tabs>
```

## FAQs

- 1. What is the recommended strategy for implementing exponential backoff retries with the BigCommerce API?**

Use exponential backoff for retrying transient errors, starting with a short delay and doubling it after each failed attempt, up to a maximum number of retries (e.g., 10). Add a small random jitter to each delay to reduce collision risk. Always respect any `X-Retry-After` or other rate limit headers from the response.

- 2. What headers should I monitor to avoid hitting rate limits, and how do I interpret them?**

Monitor response headers such as `X-Rate-Limit-Requests-Left`, `X-Rate-Limit-Time-Reset-Ms`, and `X-Retry-After`. These indicate how many requests remain and when you can resume making requests. Adjust your request rate accordingly to avoid being throttled or blocked. For more information, see [BigCommerce Specific Headers](#)

- 3. What should I do if I repeatedly receive 422 errors for apparently valid data?**

Repeated 422 errors suggest a problem with your data or mapping logic. Pause your migration, review your data transformation, and ensure all required fields and formats match the API's expectations before resuming.

- 4. How do I handle network errors or timeouts when communicating with the API?**

Implement generic error handling for network issues and timeouts. Retry failed requests using exponential backoff, and ensure your code checks for and gracefully handles situations where no response or a malformed response is received.

## Resources

- [API Status Codes](#)
- [API Request Architecture – 5xx Errors](#)
- [API Rate Limits](#)
- [Catalog API Error Responses](#)
- [API Client Libraries](#)
- [Logging and Monitoring Best Practices](#)
- [BigCommerce Dev Community](#)
- [MDN HTTP Status Codes](#)
- [Exponential Backoff and Jitter \(AWS Blog\)](#)

# Step 5

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title: Load Complete Data

keywords: bigcommerce migration, bigcommerce product import, ecommerce catalog migration, data migration guide, bigcommerce API, product data transfer, ecommerce platform migration, idempotent migration, rollback migration bigcommerce, referential integrity, bigcommerce API limits, product catalog import, ecommerce data validation, bigcommerce troubleshooting, migration best practices

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## Load Complete Data

Once you've successfully tested your data migration process, verified mappings, and gained confidence in your approach, you're ready to proceed with loading your complete product dataset into BigCommerce.

### Pre-Migration checklist

- Remove all extraneous data (hidden products, unnecessary attributes) from your dataset
-  Disable or turn OFF any third-party applications that might automatically ingest product data
- Verify you have sufficient API rate limits for your plan level
- Consider scheduling your migration during off-peak hours to minimize potential platform congestion

<Callout type="info">

If your source catalog undergoes regular updates which may coincide with your migration, consider implementing a data freeze or define a clear "cut-off" time to avoid missing late changes.

</Callout>

- Backup your source data before proceeding

<Callout type="important">

When performing large-scale migrations, it is essential to use structures that ensure data is not duplicated.

Use unique product identifiers to check if a product exists before retrying an API call to create it.

For batch uploads, log each product's status whenever possible to ensure complete migration.

</Callout>

### During migration

- Actively monitor for status error codes and implement your error handling protocols
- Track progress through logging to ensure you transfer all products correctly.
- Maintain a separate record of any failed transfers for later remediation

<Callout type="warning">

BigCommerce enforces strict platform limits, such as maximum variants per product, image sizes, and total catalog size. Exceeding these can cause migration jobs to fail or result in incomplete imports. Review BigCommerce's documentation on limitations before migration to avoid unexpected errors.

</Callout>

The flowchart below is an example of the appropriate workflow for migrating products:

None

```
flowchart TD
    A[Start Migration] --> B[Fetch Source Data Batch]
    B --> C[Transform Data for BigCommerce Schema]
    C --> D["Check for Existing Product (by SKU/ID)"]
    D -- Exists --> E[Update Product Record]
    D -- Not Exists --> F[Create Product Record]
    E --> G["Upload Related Entities (images, categories, etc.)"]
    F --> G
    G --> H[Log Status and API Response]
    H --> I["Handle Errors / Retry as Needed"]
    I --> J{"More Batches?"}
    J -- Yes --> B
    J -- No --> K["Post-Migration Verification"]
    K --> L[End Migration]
```

## Post-Migration verification

- Compare product counts between your source platform and BigCommerce
- Spot-check a representative sample of products across different categories and types
- Check that you have transferred complex products (those with variants, custom fields, or multiple images) correctly.
- Test product visibility and searchability on your storefront
- Confirm pricing, inventory levels, and product relationships are accurate

## Next Steps

- Once product data is successfully transferred, proceed with migrating related data (customers, orders, etc.)
- Document your migration process thoroughly for future reference or troubleshooting
- Consider implementing a synchronization strategy or data freeze if you'll be operating both platforms simultaneously during transition

## Estimated time to transfer

The following table provides approximations of migration times for various catalog sizes. These estimates are based on platform limits and assumed catalog complexity. If you have a particularly complex catalog, your results will vary from these provisions.

Based on this information and the guidance provided above, plan your migration with enough time allotted to prevent issues.

Resources	Estimated time (store with no live integrations)
> 5,000 with variants	Around 1 hour
> 40,000	Around 15 hours
> 300,000	Around 100 hours
> 500,000+	Recommended to work with our dedicated data migration services team on data processing

## FAQ

### 1. How can I avoid creating duplicate products or corrupting my data if the migration is interrupted or retried?

Ensure your migration script checks for existing products (by unique identifier, like SKU) before creating or updating records, so that repeated or retried requests don't result in duplicates. Always use migration logs to track the status of each product upload and re-run only failed or incomplete batches.

### 2. What should I do if the migration fails or needs to be reverted?

Always make a full backup of your source data before starting the migration. If you encounter issues, use your migration logs to identify and remove or correct only the affected products in BigCommerce. For large rollbacks, you may need to restore from your backup or script deletions based on the IDs created during the migration. Document the rollback steps taken for future reference.

### 3. How do I ensure that products, categories, brands, and images are properly linked after migration?

Migrate related entities (such as categories, brands, and images) before importing products. Maintain a mapping between original and BigCommerce-assigned IDs for these entities, and

update product references accordingly to ensure all links remain valid. After migration, verify all relationships and assignments are intact in the BigCommerce store.

#### **4. How can I verify that my migration is complete and accurate?**

In addition to product counts, use your migration logs to reconcile all transferred data. Perform spot checks on complex or critical products, and check that all related entities and references are present. Use API queries or platform reports to systematically verify catalog integrity.

### Resources

- [API Best Practices | BigCommerce Dev Center](#)
- [API Rate Limits](#)
- [Monitoring API Usage](#)
- [Data Migration Services](#)

# Step 6

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title: Go Live and Delta Migration

keywords: bigcommerce delta migration, ecommerce data sync, delta migration process, bigcommerce go live, product catalog updates, incremental data migration, bigcommerce api, data reconciliation, ecommerce migration strategy, data integrity, post-migration validation, migration rollback, data synchronization, business continuity migration, bigcommerce best practices

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## Go Live and Delta Migration

While a complete "data freeze" during migration is ideal, we recognize that business continuity requirements often make this impractical. For this reason, a well-structured delta migration plan is essential.

<Callout type="info">

Delta migration is the process of transferring only the data that has changed (been added or updated) since your initial migration. This ensures your new BigCommerce store is up-to-date at go-live without requiring a full data reload.

</Callout>

### Delta Migration Timeline

- Schedule your delta migration to occur no more than 2 weeks after your BigCommerce go-live date

<Callout type="important">

The closer your delta migration occurs to the actual go-live cutoff, the less risk there is of missing critical last-minute data changes. If a full data freeze isn't possible, minimize the delta window as much as operationally feasible.

</Callout>

- Consider multiple delta migrations for high-volume stores (e.g., 24 hours post-launch, 1 week post-launch, and final sweep)
- Coordinate delta migrations during low-traffic periods to minimize impact on operations

### Delta Migration Process

- Utilize the same tooling and processes established during your initial migration
- Focus only on net-new or modified data since your initial migration
- Note that the Create Products API will automatically reject duplicate data that exactly matches existing records
- For updated products, use the Update Product endpoint rather than Create Product to avoid duplication

```
<Callout type="info">
```

Delta migrations are subject to all the same API rate limits and catalog constraints as your initial migration. Always check for updated limits before running your delta to avoid unexpected failures.

```
</Callout>
```

Always check for updated limits before running your delta to avoid unexpected failures. The flowchart below is an example of the appropriate workflow for delta migration:

None

```
flowchart TD
    A[Initial Migration Complete] --> B[Track Source Data Changes]
    B --> C[Extract Changed Records (since Initial Migration)]
    C --> D[Prepare Delta Dataset]
    D --> E{"Does Record Exist in BigCommerce?"}
    E -- Yes, Modified --> F[Update Record via API]
    E -- No, New --> G[Create Record via API]
    F --> H["Log Success/Error"]
    G --> H
    H --> I{"More Records?"}
    I -- Yes --> C
    I -- No --> J["Run Post-Migration Verification"]
    J --> K[Go Live or Final Sync]
```

## Data Reconciliation Strategy

- Implement a reliable method to identify which products were created or modified since your initial migration
- Consider using timestamps, database flags, or changed-record logs to identify delta content
- Create a verification process to ensure no critical data is missed between migrations

```
<Callout type="info">
```

Missing a change during delta migration can result in outdated or incorrect product information on your live store, impacting orders and customer experience. To mitigate, implement robust verification steps and schedule a final sweep before go-live.

```
</Callout>
```

## Business Operations During Transition

- Establish clear protocols for order processing during the transition period
- Determine how inventory will be managed across both platforms until migration is complete

- Create a communication plan for staff to understand which system is authoritative at each stage

## Contingency Planning

- Develop rollback procedures in case critical issues arise during go-live
- Establish decision criteria for when to activate contingency plans
- Prepare communication templates for both internal teams and customers if delays occur

## Post-Migration Maintenance

- Implement a regular data validation schedule to ensure ongoing data integrity
- Document any manual adjustments made during the delta migration process
- Create a standard operating procedure for future data synchronization needs

## FAQ

### 1. How do I identify which products or data have changed since the initial migration?

Use timestamps, change logs, or database flags from your source system to extract only records that have been created or modified since the initial migration. This ensures that only delta changes are considered for transfer.

### 2. What is the safest way to prevent duplicate records during delta migration?

Always check for existing records in BigCommerce using unique identifiers (such as SKU or product ID) before creating or updating records. Use the Update Product endpoint for modified records and Create Product only for new items.

### 3. How should I handle conflicting updates between the source system and BigCommerce during the delta window?

Establish clear rules for conflict resolution, such as “latest timestamp wins,” or flagging discrepancies for manual review. Communicate these rules to all stakeholders prior to migration.

### 4. What should I do if an error or failure occurs during delta migration?

Rely on detailed logging and migration status tracking to identify failed records. Retry only the failed operations using your logs, and ensure that your process is idempotent to avoid duplicate or partial updates.

### 5. How can I verify that all intended changes were successfully migrated to BigCommerce?

After the delta migration, compare the updated product counts, use spot checks on high-importance records, and reconcile migration logs with both source and destination systems to ensure that all intended changes are present.

## Resources

- [BigCommerce API Documentation](#)
- [API Rate Limits | BigCommerce Dev Center](#)
- [Best Practices for Data Migration | BigCommerce](#)
- [BigCommerce Webhooks Guide](#)
- [Monitoring API Usage](#)
- [Data Migration Services | BigCommerce](#)
- [BigCommerce Catalog API Reference](#)

Version 09 June 2025



# Step 1/2 (revised)

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title: Prepare Your Migration Data

keywords: bigcommerce migration, product data import, category mapping, data transformation, api data migration, product variants, ecommerce data prep, csv import, product images migration, custom fields, taxonomy mapping, product schema, data validation, storefront visibility, bulk product upload

---

## Prepare Your Migration Data

<Callout type="info">

For particularly complex or large migrations, BigCommerce has a data migration team who can tailor your migration to the needs of your project. For information on working with them, refer to [Data Migration Services](#).

</Callout>

Every platform manages data differently. Structural and datatype differences between your existing data and BigCommerce will likely cause unforeseen errors if you attempt migration without managing those differences. For best results, some preparation will help reduce migration time and roadblocks.

## Identify Source Data

<Callout type="info">

If your primary data source is an ERP, PIM, or other external system (not your ecommerce platform), proceed directly to [Create a Data Mapping](#create-a-data-mapping).

</Callout>

Export all data from your current platform. Export procedures vary by ecommerce platform. Consult platform-specific documentation.

- For best results, use either a spreadsheet ([CSV](#) format is sufficient) or a SQL database if possible to ensure straightforward data mapping.
- Carefully review headers and data for accuracy and completeness after export. This will provide a higher level of familiarity with the data, informing next steps when mapping from your current data to BigCommerce.

Review the following BigCommerce API resources before starting your migration:

- [Catalog API](#) - the family of endpoints related to adding, updating, and deleting products and product data.
  - [Categories API](#) - the specific endpoints related to managing categories.
  - [Brands API](#) - the specific endpoints related to managing brands

<Callout type="info">

In order to ensure a smooth migration, create categories and brands prior to creating any products.

</Callout>

- [API Best Practices](#) - information on recommended usage.
- [API Rate Limits](#) - information on platform limits that will affect your migration.

<Callout type="info">

Certain Catalog API endpoints impose restrictions exceeding standard documented rate limits.

To avoid potential issues and errors, verify each endpoint's limitations prior to your active migration.

</Callout>

<Callout type="warning">

Some special characters may cause inaccuracies in export data or the import process. If you're using CSV for data export, ensure your file is encoded using UTF-8 characters.

</Callout>

Before migration, remove any data you don't want transferred to BigCommerce. Filtering this data before migration reduces complexity and saves time.

- Document the filtering criteria and back up all data, flagging any data removed in filtering. This minimizes the risk of accidental data loss and ensures you can replicate the process for future syncs.
- Examples of products that may need to be excluded: disabled, permanently out-of-stock, and products that don't easily map to BigCommerce automatically.

## Create a Mapping Plan

<Callout type="info">

Ensure you understand the BigCommerce product schema and taxonomy before mapping your data.

</Callout>

Some BigCommerce fields may map differently than in your current system, especially for large catalogs or simpler data models.

- The following fields are required for [product creation](#):
  - Name - the name of the product as displayed on the storefront
  - Type - whether the product is physical or digital
  - Weight - the shipping weight of the product (set to `0` for digital products)
  - Price - the base price of the product in the store's default currency
- The following product fields are read-only, unavailable for direct editing:

- ID - the server-assigned product ID used in all automated BigCommerce operations
- Date Created - the timestamp saved when the product was created in BigCommerce, regardless of the method used
- Date Modified - the timestamp saved during the most recent product update
- Calculated Price - the price of the product once set adjustments are applied based on options and other features
- Base Variant ID - the server-assigned variant ID treated as default for the product

Some data fields will likely function differently in BigCommerce than in your current ecommerce solution or source of truth. A few examples include

- **Custom Fields**
  - In BigCommerce, custom fields serve as static filterable data for products.
  - Each custom field requires a field name and a specific value, both of which are text information.
  - Custom fields are displayed by default. Data not intended to display should be implemented with [Metafields](#) instead.
  - Some unstructured data such as notes, extra attributes, and non-native fields will need to be transformed into either custom fields or metafields prior to migration if they are to be preserved in BigCommerce.
- **Related Products**
  - Related products are assigned to a given product by product ID
  - Explicitly setting products as related requires direct assignment of IDs
- **URLs and 301 Redirects**
  - By default, BigCommerce creates [SEO Optimized, short](#) URLs for new products and categories.
  - If you prefer to maintain your existing URLs, you can migrate them directly using the `custom_url` field during product creation.
- **Price Mapping**
  - BigCommerce supports several distinct price fields, which may differ from your current source of truth:
    - Price - the price you normally charge for a single unit of the product
    - Retail Price - the product's manufacturer suggested retail price
    - Map Price - the minimum advertised price of the product
    - Sale Price - the price you are charging for the product while it's on sale
    - Cost Price - the price required for keeping a single unit of the product in stock
    - Calculated Price - the price of the product once set adjustments are applied based on options and other features
  - Carefully analyze your product pricing fields prior to migration to ensure correct mapping.

## Field Mapping Reference

Product options and channel assignments are not managed in the main products API.

- To assign channels, use [Channel Assignments](#).
- For information on product options, see [Product Modifiers](#), [Product Variants](#), and [Product Variant Options](#).

Refer to the table below for a selection of frequently utilized API fields.

<Callout type="info">

Some fields in the list below are required to be unique. For complete information on unique fields, refer to the Catalog API specification.

</Callout>

Field Name	API Field Identifier	Data Type	Description
Name (required)	name	string	The name of the product, as displayed on the storefront.
Type (required)	type	string	The type of the product, either "physical" or "digital".
SKU	sku	string	The stock keeping unit. Only accepts numbers, letters, hyphens, underscores, and spaces.
Description	description	string	The product description as shown on product detail pages.
Weight (required)	weight	number	The shipping weight of the product, in the units configured in your store settings.
Width	width	number	The shipping width of the product, in the units configured in your store settings.
Depth	depth	number	The shipping depth of the product, in the units configured in your store settings.
Height	height	number	The shipping height of the product, in the units configured in your store settings.

Field Name	API Field Identifier	Data Type	Description
Price (required)	price	number	The product's default price, provided in the store's default currency, with taxes included or excluded based on your store settings.
Cost Price	cost_price	number	The product's cost price, provided in the store's default currency.
Retail Price	retail_price	number	The manufacturer suggested retail price, provided in the store's default currency, with taxes included or excluded based on your store settings.
Sale Price	sale_price	number	The product's current sale price, provided in the store's default currency, with taxes included or excluded based on your store settings.
Tax Class	tax_class_id	integer	The ID of the tax class assigned to the product. Tax classes are configured in your store settings. If you're using an automated tax provider, you may also need the <a href="#">product_tax_code</a> .
Categories	categories	array	An array of the category IDs to which the product is assigned.
Brand ID	brand_id	integer	The brand to which the product is assigned.
Current Stock	inventory_level	integer	The current number of product units in stock, if tracked.
Low Stock	inventory_warning_level	integer	The stock level at which restocking becomes necessary.
Inventory Tracking	inventory_tracking	string	One of "product", "variant", or "none", indicating how or if

Field Name	API Field Identifier	Data Type	Description
			inventory is tracked on the product.
Fixed Shipping Cost	fixed_cost_shipping_price	number	The per-unit shipping cost, if the product uses it. Set to <code>0</code> if the feature is not used.
Free Shipping	is_free_shipping	boolean	Indicates whether the product is excluded from other shipping calculations. If <code>true</code> the product will ship for free and be excluded from other calculations unless your shipping settings explicitly ignore this field.
Is Visible	is_visible	boolean	Indicates whether the product is visible on the storefront. If <code>false</code> , the product will be inaccessible, even if it is assigned to a specific channel.
Is Featured	is_featured	boolean	Indicates whether the product will be included in the Featured Products section on your storefront.
Warranty	warranty	string	Warranty terms and conditions to be displayed on the product detail page. If no warranty is provided, the section will not display by default.
Bin Picking Number	bin_picking_number	string	The bin picking number used in a fulfillment workflow. If you don't use bin picking as a fulfillment process, this may be omitted.
UPC/EAN	upc	string	The UPC or other related product identifier.
Search Keywords	search_keywords	string	Comma separated search keywords that can be used by the built-in BigCommerce storefront

Field Name	API Field Identifier	Data Type	Description
			search to find the product. This field may be ineffective if you're using a <a href="#">headless commerce solution</a> or a custom search tool.
Sort Order	sort_order	integer	A 32-bit integer indicating the product's relative position on product listing pages when the Featured sort option is selected. Negative values place the product closer to the front, while positive values place the product closer to the back.
Product Condition	condition	string	One of "New", "Used", or "Refurbished", indicating the condition of the product
Show Product Condition	is_condition_shown	boolean	Indicates whether the product condition is displayed on the storefront.
Page Title	page_title	string	The SEO title for the product detail page.
Meta Keywords	meta_keywords	array	An array of SEO keywords used for page ranking on some search engines.
Meta Description	meta_description	string	The SEO description for the product detail page.
Product URL	custom_url	object	An object indicating the state of the product's custom URL and whether a redirect is necessary.
Global Trade Number	gtin	string	The <a href="#">Global Trade Item Number</a> of the product used by some sales channels for proper tracking and identification.
Manufacturer Part Number	mpn	string	The manufacturer part number of the product, used to guarantee

Field Name	API Field Identifier	Data Type	Description
			that customers are viewing the correct item.
<a href="#">Custom Fields</a>	<code>custom_fields</code>	array	An array of objects that include the <code>name</code> and <code>value</code> of each custom field associated with the object.
<a href="#">Images</a>	<code>images</code>	array	An array of objects containing image data.
<a href="#">Videos</a>	<code>videos</code>	array	An array of objects containing video data.
Variants	<code>variants</code>	array	An array of objects containing variant data.
<a href="#">Bulk Pricing</a>	<code>bulk_pricing_rules</code>	array	An array of objects containing bulk pricing data.
Related Products	<code>related_products</code>	array	An array of numeric product IDs for related products.

## FAQ

8. **What are the most efficient ways to export product data from my legacy platform for migration into BigCommerce?**

Use your source platform's native export tools to generate CSV or SQL files, or leverage its API if available for direct data extraction. Choose the format that best matches your mapping and transformation needs. Always verify data accuracy post-export.

9. **How do I map complex or custom product fields from my source system to BigCommerce's schema?**

Identify all custom fields in your source data and review BigCommerce's [custom fields](#) and [metafields](#). Map each source field to the most appropriate type of BigCommerce field, transforming formats or structures as needed. Document your mappings for consistency.

10. **What is the best way to handle images and digital assets during product migration?**

Ensure all product images and files are organized and accessible, with URLs or file names correctly referenced in your data. Upload images via the BigCommerce API or through bulk import features, and validate that each product record correctly links to its images after migration.

**11. How do I handle product variants, options, or bundles when the source and target systems structure them differently?**

Analyze how your source platform represents variants, options, and bundles. In BigCommerce, use the [variants](#), [modifiers](#), and related APIs to recreate these relationships.

**12. How should I document and track my data mapping and transformation rules for future reference or audits?**

Maintain a mapping spreadsheet or document that clearly records each source field, its transformation logic, and the target BigCommerce field. Include examples and version your mapping documentation to track changes over time.

In addition to the basic data mapping, consider adding the BigCommerce product ID to your source data either as a new field or as a metafield for each record to improve efficiency during primary migration, delta migration, and data validation.

**13. What are common issues encountered during product data migration to BigCommerce, and how can I troubleshoot them?**

Common issues include data validation errors, missing required fields, mismatched categories, or broken image links.

Troubleshoot by running validation scripts pre-import, performing test imports with small data batches to catch issues early, reviewing error logs to understand how issues should be addressed.

**14. How do I ensure SEO continuity, including URLs and redirects, during migration?**

Map your legacy URLs to BigCommerce's structure using the `custom_url` field for products and categories. Set up 301 redirects for any changed URLs using the [Redirects API](#) or admin tools to preserve SEO rankings and avoid broken links.

**15. Does BigCommerce offer any services to assist with or manage my data migration?**

Yes. For simpler migrations, BigCommerce [provides apps](#) for some of the major eCommerce platforms. For more complex migrations, we also have a [Data Migration Services team](#) who can

tailor a migration process to your specific needs. For especially large migrations, we recommend working with the Data Migration Services team.

## Resources

- [BigCommerce Catalog API Documentation](#)
- [API Best Practices](#)
- [API Rate Limits](#)

## Step 3 (revised)

---

title: Test a Limited Dataset

keywords: bigcommerce, data migration, api testing, catalog import, product data, sandbox environment, test automation, edge case validation, data integrity, partial migration, data cleanup, api rate limits, product relationships, scripting, data validation

---

## Test a Limited Dataset

In order to properly prepare data for migration, data validation and testing are essential steps to provide improved efficiency during the full implementation.

### Prepare a Representative Sample

Before attempting to load any data, be sure to familiarize yourself with the [BigCommerce API Best Practices and Rate Limits](#).

To ensure a smooth execution during migration, prepare a subset of your catalog to perform a partial migration as a test. This should be around **50** to **1000** data records, depending on the size and complexity of your catalog, that cover a broad range of potential product configurations

If your catalog contains any of the following, ensure that your representative sample contains at least one product with each to test the associated BigCommerce APIs.

- SKU modifying product options - Product Variants and Product Variant Options
- Non-SKU modifying product options - Product Modifiers
- Static data visible to customers - Custom Fields
- Static data **not** visible to customers - Metafields

Select a mix of data for testing, intentionally including records with inconsistencies, missing fields, edge-case values, or legacy formatting, as these samples are most likely to surface real-world migration issues.

<Callout type="info">

If you haven't yet, configure your complete category tree and brands prior to loading your representative sample to ensure accurate assignments to each.

</Callout>

<Callout type="important">

Understand that BigCommerce handles data deletion and archiving differently.

[Products](<https://developer.bigcommerce.com/docs/rest-catalog/products>) and [Customers](<https://developer.bigcommerce.com/docs/rest-management/customers>) can be

deleted, but [Orders](<https://developer.bigcommerce.com/docs/rest-management/orders>) can only be archived.

As incorrect order migration can directly impact billing, it is imperative to fully understand these distinctions and their migration implications.

Conduct all initial data migration tests in a sandbox environment if possible.

</Callout>

Once you've identified a representative sample, begin the partial migration.

<Callout type="info">

If you use Postman as your primary API client, you can use the [BigCommerce V3 API library](<https://www.postman.com/api-evangelist/bigcommerce/documentation/37xvhum/bigcommerce-api-v3>).

</Callout>

<Callout type="info">

Prior to performing any of the steps below, disable or turn OFF any third-party applications that might automatically ingest product data. This will decrease the likelihood of errors and also prevent potential data collision issues that would negatively impact testing.

</Callout>

4. Create one or more API accounts with [appropriate scopes](#) to make requests to the Catalog API.
  - Product creation requires API authentication keys to ensure secure data management.
5. Create all categories and brands using the appropriate API endpoints prior to product creation.
  - Preparing this data ahead of time decreases the amount of work required to configure products.
  - Use the [Create Categories](#) endpoint to build the category tree.
    - BigCommerce generates category IDs at the time of category creation and returns them with the API response.
    - Record these IDs and associate them to the appropriate categories in your existing data in order to ensure products are assigned to the correct categories during migration.
    - Products may be assigned up to **1000** categories. If a product does not have at least one category assigned to it, it will not be visible on the storefront.
  - Use the [Create a Brand](#) endpoint to set up all brands.
    - Each product in BigCommerce may be assigned to a single brand or may be left unassigned. If a product needs multiple brands associated with it, you will either need a joint brand or an alternative schema for brand assignment.

6. Create base products.

- Use the "Create a Product" endpoint to establish individual product records, making sure to associate the BigCommerce product ID with your existing product data.
  - Product IDs are created by the API at the time of product creation. These IDs are read-only within BigCommerce, so capturing them at the time of creation is essential to an efficient migration.
- For optimal error handling during large-scale operations, the best practice is to create individual products rather than using batch creation, even though it is supported.
- Product variants created simultaneously with the base product will default to display as rectangle lists. For more information on variant display options, see [Variants and Modifiers \(Help Center\)](#).

7. After base product creation, add additional attributes, images, and other data.

- While some data may be loaded simultaneously with the base product, performing the operation in multiple steps ensures clear error logging and a more consistent product creation experience.

Each Catalog API endpoint's specification is accompanied by one or more example request bodies to clarify format and structure. For more information, review the [Catalog API Reference](#).

## Performing Data Validation and User Acceptance Testing (UAT)

Given potential datatype mismatches and platform limitations, data validation is a key step in ensuring a successful migration. After migrating your representative dataset, you should

- Manually verify a small subset of records against your source of truth to catch any discrepancies; and
- Automate data validation by retrieving migrated data using the [Get All Products](#) endpoint and comparing it programmatically to your source dataset.

By combining manual and automated validation methods, you ensure that your data is complete, accurate, mapped as intended, and behaves as expected.

- Consider using [jsonschema](<https://pypi.org/project/jsonschema/>) (Python) or [deep-diff](<https://www.npmjs.com/package/deep-diff>) (Node.js) for schema validation and record comparison.
- Leverage CSV/JSON diff tools to automate dataset checks.
  - [json-diff](<https://github.com/andreyvit/json-diff>): A widely-used command-line tool and library for comparing JSON files, highlights structural and value differences.
  - [csvdiff](<https://pypi.org/project/csvdiff/>): A Python library and CLI tool that compares CSV files and highlights row and cell-level differences for tabular data.
  - [daff](<https://github.com/paulfitz/daff>): A versatile data diff tool supporting CSV/TSV formats, available as a command-line tool and with a web interface, ideal for comparing tables and spreadsheets.

## User Acceptance Testing Resource Checklist

Once you've finished data validation on your sample dataset, user acceptance testing (UAT) is critical. This step ensures your data migration mapping is accurate and functions as expected in both the BigCommerce control panel and storefront.

As part of the UAT process, review the following product fields and storefront behaviors:

Field/Area	What to Review
<b>Product Name and SKU</b>	Ensure product names and SKUs are accurate and mapped correctly.
<b>Product Prices</b>	Confirm product, MSRP, and sale prices are correct in the control panel and storefront. Check price change rules if applicable.
<b>Product/Variant Visibility</b>	Verify visibility settings (hidden/visible) and purchasing behavior (purchasable/not purchasable) for both products and variants.
<b>Inventory Tracking</b>	Check inventory tracking settings and inventory levels for accuracy.
<b>Options &amp; Variants</b>	Confirm product options, variant SKUs, and option types (swatch, dropdown, etc.) are structured and displayed as intended.
<b>Custom Fields</b>	Ensure custom fields are present, correctly populated, and that no unwanted fields have been migrated.
<b>Descriptions</b>	Review product descriptions for correct formatting, including HTML, images, videos, PDFs, and links. Ensure links resolve to the correct BigCommerce URLs.
<b>Images / Videos</b>	Check that all product and variant images and videos appear properly in both the control panel and storefront.
<b>Metadata</b>	Review SEO metadata for completeness and correctness.
<b>Product URL Links</b>	Confirm product URLs are formatted according to your migration and cut-over plan.

Field/Area	What to Review
<b>Recommended Products</b>	If used, verify recommended/related products are set up as expected. <a href="#">See Product Panels documentation</a>
<b>Categories</b>	Ensure categories are created, named, visible, and assigned to the correct channels or storefronts.

Record your findings and any issues in a tracking sheet or ticketing system. Plan for iterative corrections and re-tests as needed before migrating your full catalog.

## Special Considerations

To improve the overall migration experience, the following optional steps will allow more flexibility in automation.

- **Proactively Managing API Traffic**

- During peak platform usage times, the BigCommerce API may return [HTTP 429](#) responses. Implement rest-and-retry logic to handle rate limiting effectively.
- To reduce the likelihood of [HTTP 429](#) responses, disable any third-party API applications on your store during migration, as the BigCommerce API does not distinguish between individual clients when managing rate limits on a single store. This will also prevent premature data handling from any third-party tools you may be using.

<Callout type="warning">

Be aware of account-level and store-level API quotas (such as product, image, or request limits). Exceeding these can cause partial migrations or silent failures.

</Callout>

- **Error Handling and Reporting**

- Implement comprehensive error reporting to track failed resource transfers.
- Save all API requests during testing to aid in building clarity when unexpected outcomes occur.
- Follow error handling guidance based on specific error types. See Error Handling for more information.

- **Pre-Plan for Data Integrity and Availability**

- Begin with a smaller dataset to verify functionality and data quality while limiting API requests and retries in testing.
- External resources that are unavailable via public HTTP requests cannot be fetched via the BigCommerce API. Upload images and other resources via WebDAV, using resource links local to BigCommerce during product creation.

- Ensure your test dataset includes edge cases such as products with maximum/minimum field values, missing optional data, special characters, and legacy formats to reveal potential issues early.

<Callout type="info">

After migrating your test data, verify storefront display, search, filtering, checkout, and reporting to ensure all features work as expected.

</Callout>

## FAQ

**6. How can I automate the generation of representative and edge-case test datasets for my catalog?**

Use scripting languages (such as Python or Node.js) to extract real records from your source system, and programmatically mutate copies to include edge cases (e.g., missing fields, maximum/minimum values, special characters). Consider sampling actual problematic records from production logs or validation failures.

**7. What are the best practices for scripting API calls to validate data integrity post-migration?**

Automate GET requests to retrieve migrated data from BigCommerce, then compare the results field-by-field with your source dataset. Log differences and use schema validation to catch datatype or structure mismatches.

**8. How do I programmatically compare source and destination data for consistency after a partial migration?**

Export both source and destination datasets as structured data (JSON/CSV), normalize formats, and use diff tools or custom scripts to check for field-level matches and missing/extra records.

**9. How can I handle and retry failed API requests efficiently when rate limits or transient errors occur during test runs?**

Implement exponential backoff and retry logic in your scripts for HTTP 429 (rate limit) or 5xx errors, and monitor response headers for rate limit information to throttle requests as needed.

**10. What is the recommended approach for cleaning up test data (including products, images, and related resources) after validation in a sandbox or production environment?**

Track IDs of all created test resources during migration, and use API DELETE calls or batch operations to remove them once tests are complete. For production, use clear naming conventions or tagging to identify test data for cleanup.

## Resources

- [BigCommerce Catalog API Reference](#)
- [Handling API Errors](#)
- [API Rate Limits Guide](#)
- [Creating a BigCommerce Sandbox Store](#)
- [Using Postman with BigCommerce APIs](#)
- [Community Thread: Data Validation Scripts & Tips](#)
- [WebDAV Overview and Usage](#)
- [Sample Product Import CSV](#)
- [API Accounts and OAuth Scopes](#)

## Step 4 (revised)

---

title: Error Handling

keywords: bigcommerce api, error handling, api status codes, data migration, exponential backoff, rate limits, batch endpoints, api retries, network errors, 4xx errors, 5xx errors, http response codes, api integration, logging best practices, troubleshooting

---

## Error Handling

API operations at scale often return errors instead of successfully completing a given request. The BigCommerce API has two primary classes of error messages that can impact data migration: **4xx** and **5xx**.

For an in-depth list of the various status codes, including errors, and what they mean, see [API Status Codes](#).

### 5xx Error Codes

**5xx** status codes indicate server-side issues. These errors generally cannot be resolved by the client. For transient errors such as **500**, **502**, **503**, or **504**, implement exponential back-off retries, up to a set limit (e.g., 10 attempts), increasing the wait time between each retry. However, other **5xx** errors like **501** or **505** are persistent and should be logged and investigated rather than retried.

While rate limiting typically returns a **429**, you may occasionally receive a **500** for similar scenarios. Handle these with the same retry strategy. For more on handling server errors, see [API Request Architecture](#).

### 4xx Error Codes

**4xx** errors indicate malformed requests or invalid data. For automated operations, log and skip most **4xx** errors for later review, but note that some require immediate attention.

<Callout type="warning">

Logging and skipping errors can lead to silent data loss. Always review error logs post-migration and generate a summary of skipped records for follow-up.

</Callout>

Implement robust rate limiting for automated API calls to avoid exceeding [platform rate limits](#).

#### Status code **429**

The API returns this error when you exceed the platform rate limits. For more information about the API's rate limits and how to work within them, see [Navigating BigCommerce's API Rate Limits](#)

- Once the API returns a **429** status, it will likely return **429** for subsequent requests unless the rate limit window elapses.
- As a means to avoid this error, BigCommerce APIs include [rate limit headers](#) in responses that provide the information necessary for you to adjust call rates.
- If you do receive a **429** status in your response, use either the **X-Rate-Limit-Time-Reset-Ms** or the **X-Retry-After** header from the response to wait before retrying the request.
- For example, in PHP:

PHP

```
$milliseconds = $response->getHeader("X-Rate-Limit-Time-Reset-Ms");
usleep($milliseconds * 1000);
```

<Callout type="info">

If both **X-Retry-After** and **X-Rate-Limit-Time-Reset-Ms** are present, honor the longer of the two wait times.

</Callout>

## Status code **404**

The API returns this error either when a request's path does not match an existing endpoint, when a provided parameter does not match existing data, or less commonly when the method of the request is invalid.

- If a **404** status is returned for individual API calls, this usually means that some referenced data does not match existing data. In general, this should be logged and skipped, including the exact path, body, and response of the request to investigate the cause later.

## Batch Endpoints

When employing batch endpoints, for example [Update Products \(Batch\)](#), there may be a single item that causes the whole request to fail. Often, the response for batch endpoints will include the index of the failed item. Use this index to remove the item from the request, then retry.

<Callout type="info">

Not every batch endpoint identifies the index or indices of failed items. If the response doesn't specify which items failed in a batch request, you'll need to send each item in separate requests to identify and report the failures.

Do not assume the entire batch succeeded or failed. Process successful items, and retry or log errors for failed ones.

</Callout>

## Status code 422

The API returns this error when a request is formatted incorrectly or contains invalid data.

- A 422 error should typically only occur during testing. If you see it during a large data migration, check your dataset and the data mapping for potential problems.
- You can likely log and skip a single 422 error. However, repeated 422 errors indicate a persistent problem that you must fix before continuing the migration.

<Callout type="info">

Implement thorough client-side validation before sending API requests. If you encounter repeated 422 errors during production data migration, treat this as a critical issue. Pause the migration, fix the data mapping, and only resume once the problem is resolved.

</Callout>

<Tabs items={['Example Bad Request', 'Example 422 Response']}>

<Tab>

Below is an example of a malformed request to the endpoint [Update Products \(Batch\)](#). Due to the requirements of the endpoint, a 422 status code is expected from this request.

JSON

```
[  
  {  
    "name": "test1"  
  },  
  {  
    "name": "test2"  
  }  
]
```

</Tab>

<Tab>

The following is an example 422 response, demonstrating the available information in such a response.

For this endpoint, the error response doesn't list the specific items that failed. Therefore, you'll have to separate the request into individual items and resend them.

In this particular case, the errors listed apply to each item, but that is not likely to be the case in general.

```
JSON
{
  "status": 422,
  "title": "Missing Required Fields",
  "type": "https://developer.bigcommerce.com/api-docs/getting-started/api-status-codes",
  "errors": {
    "name": "Please provide a name.",
    "price": "Please provide a price.",
    "type": "Please provide a type.",
    "weight": "Please provide a weight."
  }
}
```

```
</Tab>
</Tabs>
```

## FAQs

**5. What is the recommended strategy for implementing exponential backoff retries with the BigCommerce API?**

Use exponential backoff for retrying transient errors, starting with a short delay and doubling it after each failed attempt, up to a maximum number of retries (e.g., 10). Add a small random jitter to each delay to reduce collision risk. Always respect any `X-Retry-After` or other rate limit headers from the response.

**6. What headers should I monitor to avoid hitting rate limits, and how do I interpret them?**

Monitor response headers such as `X-Rate-Limit-Requests-Left`, `X-Rate-Limit-Time-Reset-Ms`, and `X-Retry-After`. These indicate how many requests remain and when you can resume making requests. Adjust your request rate accordingly to avoid being throttled or blocked. For more information, see [BigCommerce Specific Headers](#)

**7. What should I do if I repeatedly receive 422 errors for apparently valid data?**

Repeated 422 errors suggest a problem with your data or mapping logic. Pause your migration, review your data transformation, and ensure all required fields and formats match the API's expectations before resuming.

**8. How do I handle network errors or timeouts when communicating with the API?**

Implement generic error handling for network issues and timeouts. Retry failed requests using exponential backoff, and ensure your code checks for and gracefully handles situations where no response or a malformed response is received.

## Resources

- [API Status Codes](#)
- [API Request Architecture – 5xx Errors](#)
- [API Rate Limits](#)
- [Catalog API Error Responses](#)
- [API Client Libraries](#)
- [Logging and Monitoring Best Practices](#)
- [BigCommerce Dev Community](#)
- [MDN HTTP Status Codes](#)
- [Exponential Backoff and Jitter \(AWS Blog\)](#)

## Step 5 (revised)

---

title: Load Complete Data

keywords: bigcommerce migration, bigcommerce product import, ecommerce catalog migration, data migration guide, bigcommerce API, product data transfer, ecommerce platform migration, idempotent migration, rollback migration bigcommerce, referential integrity, bigcommerce API limits, product catalog import, ecommerce data validation, bigcommerce troubleshooting, migration best practices

---

## Load Complete Data

Once you've successfully tested your data migration process, verified mappings, and gained confidence in your approach, you're ready to proceed with loading your complete product dataset into BigCommerce.

<Callout type="info">

Data migration is a complex process. In order to avoid errors and unexpected behaviors, perform your migration in a staging environment, then use a tool such as Staging Pro to push from the staging environment into your production environment.

</Callout>

## Pre-Migration checklist

- Remove all extraneous data (hidden products, unnecessary attributes) from your dataset
-  Disable or turn OFF any third-party applications that might automatically ingest product data
-  Disable any catalog-specific webhook subscriptions that are not directly necessary for migration.
- Verify you have sufficient API rate limits for your plan level
- Consider scheduling your migration during off-peak hours to minimize potential platform congestion

<Callout type="info">

If your source catalog undergoes regular updates which may coincide with your migration, consider implementing a data freeze or define a clear "cut-off" time to avoid missing late changes.

</Callout>

- Backup your source data before proceeding

<Callout type="important">

When performing large-scale migrations, it is essential to use structures that ensure data is not duplicated.

Use unique product identifiers to check if a product exists before retrying an API call to create it.

For batch uploads, log each product's status whenever possible to ensure complete migration.

</Callout>

## During migration

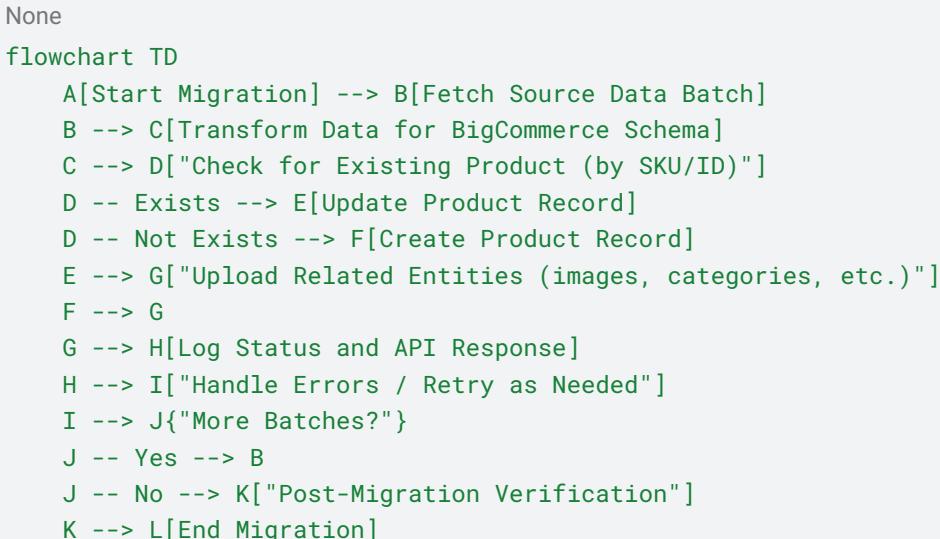
- Actively monitor for status error codes and implement your error handling protocols
- Track progress through logging to ensure you transfer all products correctly.
- Maintain a separate record of any failed transfers for later remediation

<Callout type="warning">

BigCommerce enforces strict platform limits, such as maximum variants per product, image sizes, and total catalog size. Exceeding these can cause migration jobs to fail or result in incomplete imports. Review BigCommerce's documentation on limitations before migration to avoid unexpected errors.

</Callout>

The flowchart below is an example of the appropriate workflow for migrating products:



## Post-Migration verification

- Compare product counts between your source platform and BigCommerce
- Spot-check a representative sample of products across different categories and types
- Check that you have transferred complex products (those with variants, custom fields, or multiple images) correctly.
- Test product visibility and searchability on your storefront
- Confirm pricing, inventory levels, and product relationships are accurate

## Next Steps

- Once product data is successfully transferred, proceed with migrating related data (customers, orders, etc.)
- Document your migration process thoroughly for future reference or troubleshooting
- Consider implementing a synchronization strategy or data freeze if you'll be operating both platforms simultaneously during transition

## Estimated time to transfer

The following table provides approximations of migration times for various catalog sizes. These estimates are based on platform limits and assumed catalog complexity. If you have a particularly complex catalog, your results will vary from these provisions.

Based on this information and the guidance provided above, plan your migration with enough time allotted to prevent issues.

Resources	Estimated time (Based on <a href="#">Pro Plan limits</a> )
> 5,000 with variants	Around 1 hour
> 40,000	Around 5 hours
> 300,000	Around 35 hours
> 500,000+	Recommended to work with our dedicated <a href="#">data migration services team</a> on data processing

## FAQ

### 5. How can I avoid creating duplicate products or corrupting my data if the migration is interrupted or retried?

Ensure your migration script checks for existing products (by unique identifier, like SKU) before creating or updating records, so that repeated or retried requests don't result in duplicates. Always use migration logs to track the status of each product upload and re-run only failed or incomplete batches.

### 6. What should I do if the migration fails or needs to be reverted?

Always make a full backup of your source data before starting the migration. If you encounter issues, use your migration logs to identify and remove or correct only the affected products in BigCommerce. For large rollbacks, you may need to restore from your backup or script deletions based on the IDs created during the migration. Document the rollback steps taken for future reference.

**7. How do I ensure that products, categories, brands, and images are properly linked after migration?**

Migrate related entities (such as categories, brands, and images) before importing products. Maintain a mapping between original and BigCommerce-assigned IDs for these entities, and update product references accordingly to ensure all links remain valid. After migration, verify all relationships and assignments are intact in the BigCommerce store.

**8. How can I verify that my migration is complete and accurate?**

In addition to product counts, use your migration logs to reconcile all transferred data. Perform spot checks on complex or critical products, and check that all related entities and references are present. Use API queries or platform reports to systematically verify catalog integrity.

## Resources

- [API Best Practices | BigCommerce Dev Center](#)
- [API Rate Limits](#)
- [Monitoring API Usage](#)
- [Data Migration Services](#)

# Step 6 (revised)

---

title: Go Live and Delta Migration

keywords: bigcommerce delta migration, ecommerce data sync, delta migration process, bigcommerce go live, product catalog updates, incremental data migration, bigcommerce api, data reconciliation, ecommerce migration strategy, data integrity, post-migration validation, migration rollback, data synchronization, business continuity migration, bigcommerce best practices

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## Go Live and Delta Migration

While a complete "data freeze" during migration is ideal, we recognize that business continuity requirements often make this impractical. For this reason, a well-structured delta migration plan is essential.

<Callout type="info">

Delta migration is the process of transferring only the data that has changed (been added or updated) since your initial migration. This ensures your new BigCommerce store is up-to-date at go-live without requiring a full data reload.

</Callout>

### Delta Migration Timeline

- Schedule your delta migration to occur no more than 2 weeks after your BigCommerce go-live date

<Callout type="important">

The closer your delta migration occurs to the actual go-live cutover, the less risk there is of missing critical last-minute data changes. If a full data freeze isn't possible, minimize the delta window as much as operationally feasible.

</Callout>

- Consider multiple delta migrations for high-volume stores (e.g., 24 hours post-launch, 1 week post-launch, and final sweep)
- Coordinate delta migrations during low-traffic periods to minimize impact on operations

### Delta Migration Process

- Utilize the same tooling and processes established during your initial migration
- Focus only on net-new or modified data since your initial migration
- Note that the Create Products API will automatically reject duplicate data that exactly matches existing records
- For updated products, use the Update Product endpoint rather than Create Product to avoid duplication

```
<Callout type="info">
```

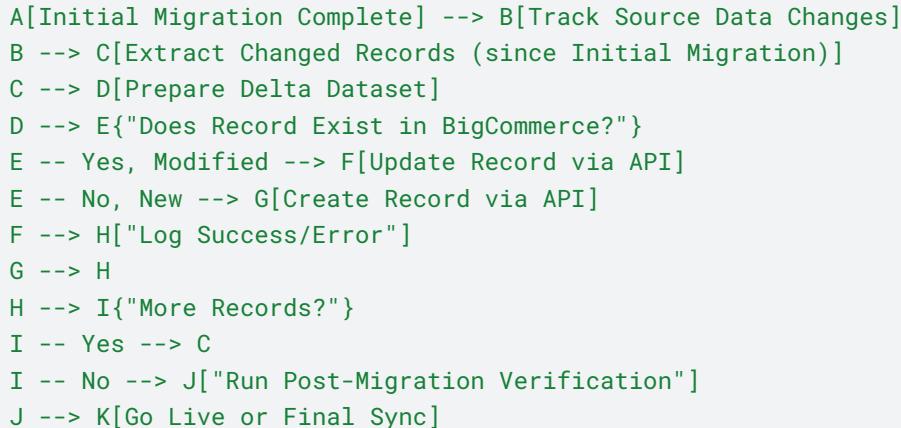
Delta migrations are subject to all the same API rate limits and catalog constraints as your initial migration. Always check for updated limits before running your delta to avoid unexpected failures.

```
</Callout>
```

Always check for updated limits before running your delta to avoid unexpected failures. The flowchart below is an example of the appropriate workflow for delta migration:

```
None
```

```
flowchart TD
```



## Data Reconciliation Strategy

- Implement a reliable method to identify which products were created or modified since your initial migration
- Consider using timestamps, database flags, or changed-record logs to identify delta content
- Create a verification process to ensure no critical data is missed between migrations

```
<Callout type="info">
```

Missing a change during delta migration can result in outdated or incorrect product information on your live store, impacting orders and customer experience. To mitigate, implement robust verification steps and schedule a final sweep before go-live.

```
</Callout>
```

## Business Operations During Transition

- Establish clear protocols for order processing during the transition period
- Determine how inventory will be managed across both platforms until migration is complete

- Create a communication plan for staff to understand which system is authoritative at each stage

## Contingency Planning

- Develop rollback procedures in case critical issues arise during go-live
- Establish decision criteria for when to activate contingency plans
- Prepare communication templates for both internal teams and customers if delays occur

## Post-Migration Maintenance

- Implement a regular data validation schedule to ensure ongoing data integrity
- Document any manual adjustments made during the delta migration process
- Create a standard operating procedure for future data synchronization needs

## FAQ

### 6. How do I identify which products or data have changed since the initial migration?

Use timestamps, change logs, or database flags from your source system to extract only records that have been created or modified since the initial migration. This ensures that only delta changes are considered for transfer.

### 7. What is the safest way to prevent duplicate records during delta migration?

Always check for existing records in BigCommerce using unique identifiers (such as SKU or product ID) before creating or updating records. Use the Update Product endpoint for modified records and Create Product only for new items.

### 8. How should I handle conflicting updates between the source system and BigCommerce during the delta window?

Establish clear rules for conflict resolution, such as “latest timestamp wins,” or flagging discrepancies for manual review. Communicate these rules to all stakeholders prior to migration.

### 9. What should I do if an error or failure occurs during delta migration?

Rely on detailed logging and migration status tracking to identify failed records. Retry only the failed operations using your logs, and ensure that your process is idempotent to avoid duplicate or partial updates.

### 10. How can I verify that all intended changes were successfully migrated to BigCommerce?

After the delta migration, compare the updated product counts, use spot checks on high-importance records, and reconcile migration logs with both source and destination systems to ensure that all intended changes are present.

## Resources

- [BigCommerce API Documentation](#)
- [API Rate Limits | BigCommerce Dev Center](#)
- [Best Practices for Data Migration | BigCommerce](#)
- [BigCommerce Webhooks Guide](#)
- [Monitoring API Usage](#)
- [Data Migration Services | BigCommerce](#)
- [BigCommerce Catalog API Reference](#)