

Shopify Query of information through the Dev API - Procedures

1. Research the shopify dev documentation so you know how to query the info from Shopify
2. Try to build a json query in the internet browser that a developer would use to query the api – see Json query example below. Must include: admin/api/{ShopifyVersionYear-Pd}
3. Once you have a working json query – start to build out your lookup formula in Iman. Hardcode all of your values in the formula – don't try to pass variables like the item # or order # yet – baby step through this.
4. Once you have a working Iman Shopify lookup formula, then you can build out additional formulas that are used to pass in the variables like the item # or order #.

Shopify Dev Documentation for Json Queries:

<https://shopify.dev/docs/api/admin-rest/2023-10/resources/product-variant>

Json Query Example that worked for querying product variants:

<https://YourCustomerSite.myshopify.com/admin/api/2023-04/variants/42115625025635.json>

Iman CustomLookup Formula:

CustomLookup(systemid, select, from, where, "", mustreturnvalue)

- **SystemId** - Under Setup, System Connectors – the name of your shopify connector in double quotes. For example: "ShopifyTEST"
- **Select** – The information you are trying to select – in our example, we wanted to pull the sku for the variant, so ours said: "/variant/sku"
- **From** – This is the portion of the json query that worked for you – excluding the actual name of the shopify site. So we removed "https://YourCustomerSite.myshopify.com/" from our query and only put in this part: "admin/api/2023-04/variants/42115625025635.json"
- **Where** – in every example we've seen this is just double quotes: ""
- **""** – no idea why there is another set of quotes but they must be included
- **MustReturnValue** – should always be false. If you set it to true, it will blow up the Iman job if it finds an instance where there is no data to return – because the product exists in Sage but not in Shopify, for example.

Our Original Iman ShopifyLookup Formula Example:

CustomLookup("ShopifyTEST", "/variant/sku", "admin/api/2023-04/variants/42115625025635.json", "", "", False)

Our %ShopifyLookupFrom Formula – used to pass the variant variable in the from section

"admin/api/2023-04/variants/" & %fmaINVENTORY_ID & ".json"

Our Revised Iman ShopifyLookup Formula:

CustomLookup("ShopifyTEST", "/variant/sku", %ShopifyLookupFrom, "", "", False)

This revised formula returned the product variant's sku:

fmaKyleTest

7560820

admin.shopify.com/store/.../products/7499191681123/variants/42115625025635.json

enLink Swizznet Applicatio... INAPCLOUD Swizznet CTX-A Swizznet CTX-i Swizznet Atrium RDWeb SAG

```
"variant": {
  "id": 42115625025635,
  "product_id": 7499191681123,
  "title": "Small / Beige",
  "price": "19.95",
  "sku": "7560820",
  "position": 1,
  "inventory_policy": "continue",
  "compare_at_price": null,
  "fulfillment_service": "manual",
  "inventory_management": "shopify",
  "option1": "Small",
  "option2": "Beige",
  "option3": null,
  "created_at": "2024-06-04T13:48:58-04:00",
  "updated_at": "2024-06-04T13:48:58-04:00",
  "taxable": true,
  "barcode": "4042809670370",
  "grams": 6,
  "weight": 0.2258,
  "weight_unit": "oz",
  "inventory_item_id": 44220242198627,
  "inventory_quantity": 0,
  "old_inventory_quantity": 0,
  "tax_code": "PH400036",
  "requires_shipping": true,
  "admin_graphql_api_id": "gid://shopify/ProductVariant/42115625025635",
  "image_id": 31718721093731
}
```