What's New in Buy APIs

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VP Mobile and Developer Ecosystem

June 26, 2019

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Agenda

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API Portfolio: 2000–2016

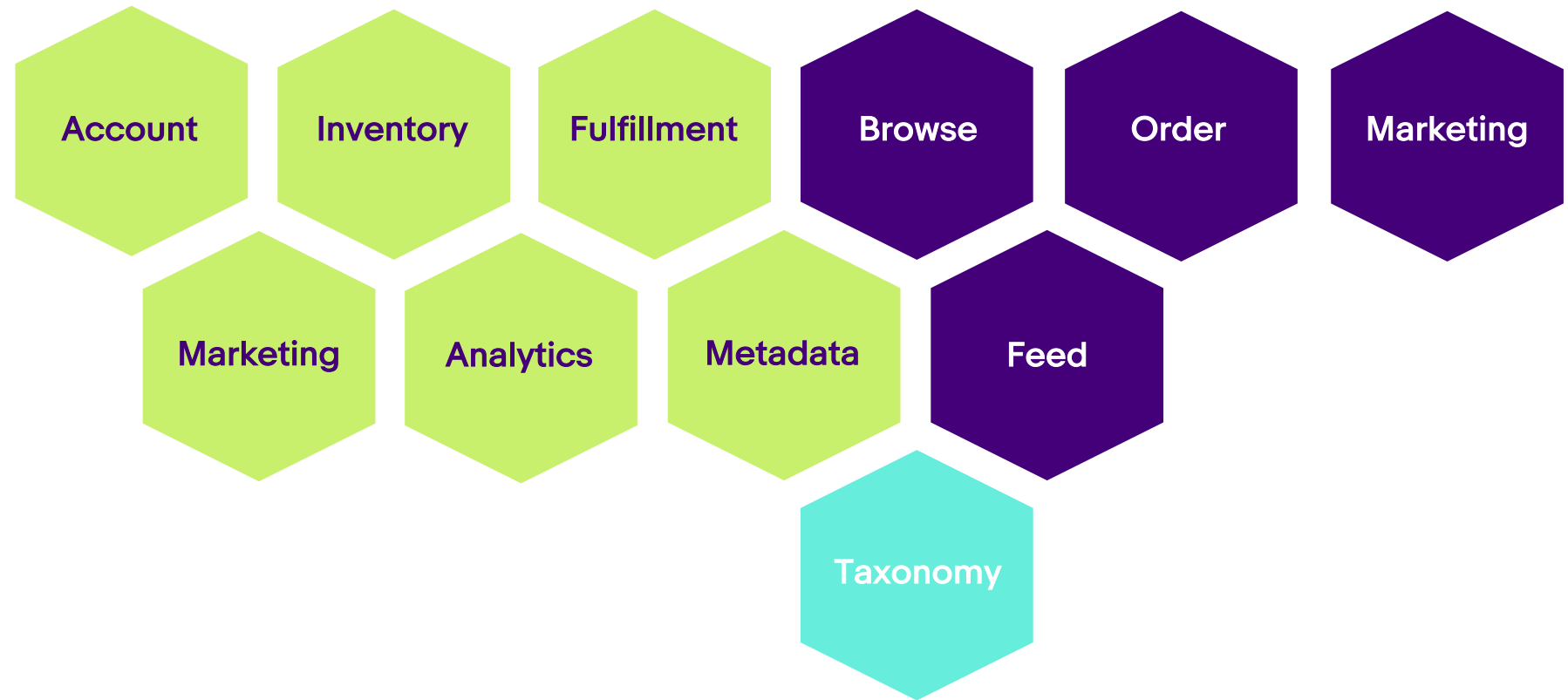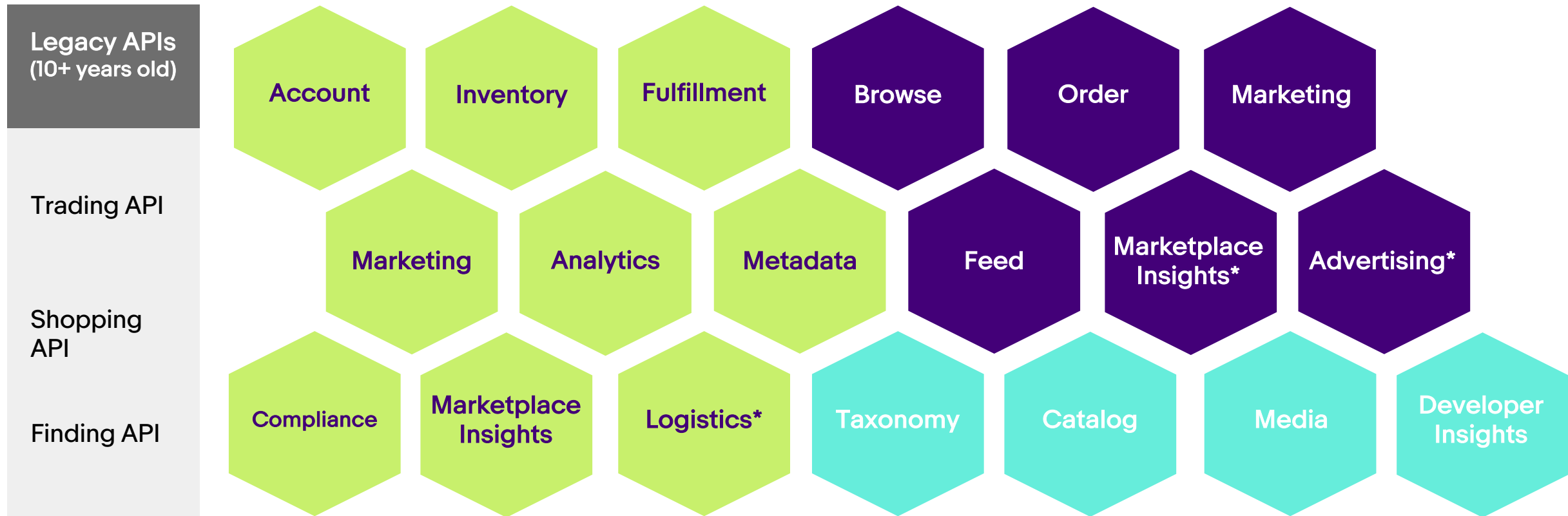|	
Trading API	Manage listings and fulfill orders Member-to-Member messaging Seller account management eBay's catch-all API - huge feature set
Shopping API	Get listing details Get categories and products
Finding API	Search live listings Search completed transactions
Legacy APIs	10+ years old: SOAP and XML interface, Auth'n'Auth authentication, ancient semantics

API Portfolio: 2017

Account

Inventory

Fulfillment

Browse

Order

Marketing

Marketing

Analytics

Metadata

Feed

Taxonomy

Sell Buy Commerce

* Limited Release

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API Portfolio: 2018

Legacy APIs (10+ years old)

Trading API

Shopping API

Finding API

Account | Inventory | Fulfillment | Browse | Order | Marketing

Marketing | Analytics | Metadata | Feed | Marketplace Insights* | Advertising*

Compliance | Marketplace Insights | Logistics* | Taxonomy | Catalog | Media | Developer Insights

Sell   Buy   Commerce

* Limited Release

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API Portfolio: 2019

Legacy APIs (10+ years old)

Trading API

Shopping API

Finding API

Account · Inventory · Fulfillment · Analytics · Order · Marketing

Logistics* · Marketing · Analytics · Metadata · Feed · Marketplace Insights* · Offer

Compliance · Marketplace Insights · Recommen-dation · Translation · Identity · Browse

Finances · Listing · Taxonomy · Catalog

Legend:
- Sell
- Buy
- Commerce
- Developer

* Limited Release

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Buy APIs are (More) Global

Capability	Supported Countries
Browse API	Australia, Canada, Germany, France, Italy, Spain, UK, US
Order API (Guest Checkout)	Australia, Canada, Germany, France, Italy, Spain, UK, US
Feed API	Australia, Canada, Germany, France, Italy, Spain, UK, US
Marketing API	Australia, Germany, Spain, France, Italy, UK, US
Marketplace Insights API	Australia, Canada, Germany, France, Italy, Spain, UK, US
Offer API	Australia, Canada, Germany, France, Italy, Spain, UK, US

Offer API

RESTful API for auction bidding

getBidding
Get auction info in the context of a buyer, including bidding info, auction status, and current price

placeProxyBid
Place bid on behalf of buyer

Parts Compatibility

In **Taxonomy API**, use **getCompatibilityProperties** and **getCompatibilityPropertyValues** to find parts aspects for parts compatibility.

In **Browse API**, search by compatibility using search filters.

Parts compatibility for cars, trucks and motorcycles are currently supported.

Marketplaces
US, Canada, UK, Germany, Australia, France, Italy, Spain

Demo

Thank you!

Q&A

eBay Connect 2019

June 25-26, 2019

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How to Curate Inventory Feeds

{ Tanya Vlahovic }
{ Principal Architect, Developer Ecosystem }

{ June 26, 2019 }

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Unleash the Power of Data to Drive Smarter Commerce

Surface the greatest selection of inventory

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A Truly Global Marketplace

180M
Active buyers

63%
of Sellers use eBay to reach global markets and customers

190
Markets

1.2B
Live listings

Q1 2019

US

A **watch** sells every **5** sec.

A **sports trading card** sells every **2** sec.

UK

A **makeup product** sells every **2** sec.

An **appliance** sells every **5** sec.

Germany

A **video game** sells every **11** sec.

A **car or truck part** sells every **13** sec.

Australia

A **tool** sells every **4** sec.

A **smartphone case or cover** sells every **7** sec.

eBay Item: Single Variation

Report item

Seller assumes all responsibility for this listing.

Shipping and handling

Item location: **HK, Hong Kong**

Shipping to: Worldwide

Excludes: Alaska/Hawaii, US Protectorates, APO/FPO, Africa, Central America and Caribbean, Middle East, South America, Armenia, Azerbaijan Republic, China, Georgia, India, Kazakhstan, Kyrgyzstan, Maldives, Mongolia, Nepal, Russian Federation, Sri Lanka, Tajikistan, Turkmenistan, Uzbekistan, American Samoa, Australia, Cook Islands, Fiji, French Polynesia, Guam, Kiribati, Marshall Islands, Micronesia, Nauru, New Caledonia, Niue, Palau, Papua New Guinea, Solomon Islands, Tonga, Tuvalu, Vanuatu, Wallis and Futuna, Western Samoa, Albania, Andorra, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Croatia, Republic of, Cyprus, Czech Republic, Denmark, Estonia, Finland, Germany, Gibraltar, Greece, Guernsey, Hungary, Iceland, Italy, Jersey, Latvia, Liechtenstein, Lithuania, Luxembourg, Macedonia, Malta, Moldova, Monaco, Montenegro, Romania, San Marino, Serbia, Slovakia, Slovenia, Spain, Svalbard and Jan Mayen, Ukraine, United Kingdom, Vatican City State, Hong Kong, Indonesia, Philippines, Singapore, Taiwan, Thailand, Vietnam, Bermuda, Greenland, Saint Pierre and Miquelon, PO Box

Quantity: 1   Change country: France   Get Rates

Shipping and handling	Each additional item	To	Service	Delivery*
US $13.00	Free	France	Expedited International Shipping	Estimated between **Fri. Dec. 22 and Tue. Jan. 9** Seller ships within 3 days after receiving cleared payment .

* Estimated delivery dates include seller's handling time, origin ZIP Code, destination ZIP Code and time of acceptance and will depend on shipping service selected and receipt of cleared payment. Delivery times may vary, especially during peak periods.

Handling time
Will usually ship within 3 business days of receiving cleared payment.

Return policy

After receiving the item, contact seller within	Refund will be given as	Return shipping	Restocking Fee
30 days	Money back	Buyer pays return shipping	20% restocking fee may apply

Return policy details

Returns are accepted within the days advertised (please see above). A full refund will be applied if every aspects of the items are NEW & SEALED in its original condition. A restocking may apply on return. We reserve the right to refund half of the purchase value if:
A. The item is not returned in complete packaging including accessories, retail box and/or other bundled items.
B. The item is locked to prevent other people from using.
C. The item has signs of significant wear from consistent use. Significant wear includes deep scratches, dents, and worn corners (exclude the packaging).
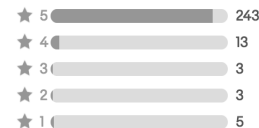

NEW Nikon D7200 Body (Kit Box) with 1 Year Warranty
★★★★★ 267 product ratings

Item condition: **New**

Quantity: [1]   3 available

Price: **US $805.99**
From $34 for 24 months *

Buy It Now
Add to cart

2 watching
Add to watch list
Add to collection

□ 2-year accident protection plan from SquareTrade - $104.99

30-day returns | New condition | Longtime member

Shipping: $13.00 Expedited International Shipping | See details
See details about international shipping here.
Item location: HK, Hong Kong
Ships to: Worldwide See exclusions

Delivery: Estimated between **Fri. Dec. 22 and Tue. Jan. 9**
Please note the delivery estimate is greater than 9 business days

Payments: PayPal VISA MasterCard American Express DISCOVER
Credit Cards processed by PayPal

PayPal CREDIT
*From $34 for 24 months. Minimum purchase required. Apply Now | See terms
See details

Returns: 30 days money back, buyer pays return shipping, 20% restocking fee may apply | See details

Guarantee: eBay MONEY BACK GUARANTEE | See details
Get the item you ordered or get your money back.
Covers your purchase price and original shipping.

$ Have one to sell? Sell now

Ratings and Reviews

Write a review

4.8
★★★★★
267 product ratings

★ 5	▬▬▬▬▬	243
★ 4	▬	13
★ 3	▬	3
★ 2	▬	3
★ 1	▬	5

91% Easy to use   97% Good image quality   96% Good value

Most relevant reviews   See all 148 reviews

★★★★★
by us_walpo
May 24, 2016
Top favorable review

Amazing Picture Quality Even in Low Light

I wanted to upgrade from the D3200 to the D7200. I am not a professional, but am definitely serious about my hobby. I researched like crazy and it was a no-brainer for me to go with the d7200. Love the built in wi-fi & the fact that I can use it with an app on my phone (Galaxy Note). My main piece of advice is to make sure you are buying your Nikon (whether new or refurbished) from an AUTHORIZED NIKON dealer....if you do not...chances are you are most likely buying a "grey market" camera. (Research white market vs grey market Nikon if you are unsure what I am referring too). I purchased my refurbished D7200 from Adorama camera (they are authorized by Nikon) and received an absolutely perfect camera...it looks like it came right from the factory. The d7200 has a heavy duty feel to it Read full review

Verified purchase: Yes | Condition: Refurbished

eBay Item: Multi-Variation

Product – Item – Item Group Relationship

Item Aspects and Product Data
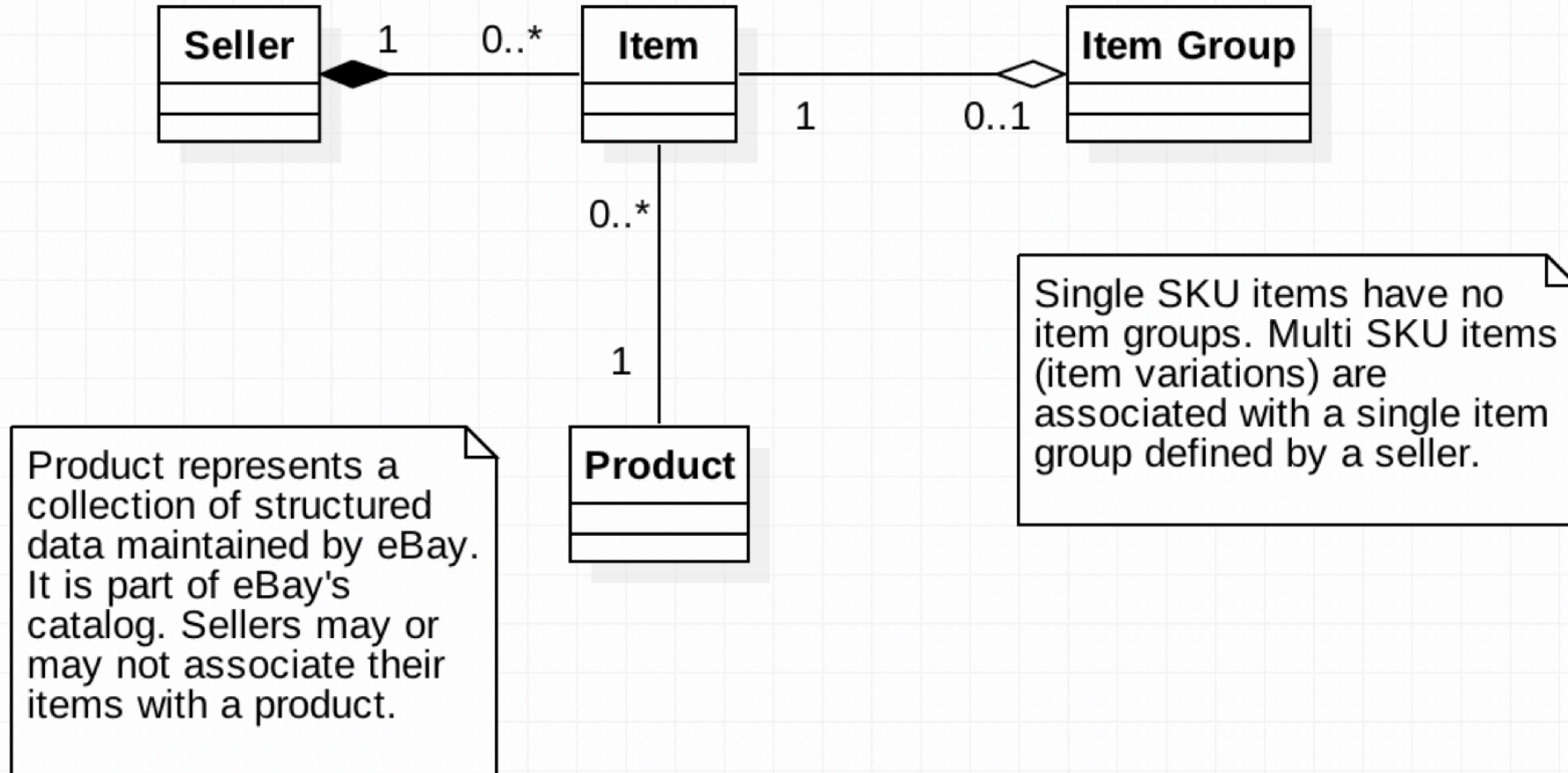
Seller assumes all responsibility for this listing.
Last updated on Apr 06, 2019 18:34:46 PDT   View all revisions

Item specifics

Condition:	New: A brand-new, unused, unopened, undamaged item in its original packaging (where packaging is ... Read more	Color:	White
User Interface:	Digital	Model:	Nest T4000ES
Manufacturer Color:	White	Energy Star:	Compliant
Sensor Type:	Humidity, Occupancy, Proximity, Temperature	Features:	App Control, Learning/Smart Response
MPN:	T4001ES	Type:	Programmable Thermostat
UPC:	0813917020593		

Seller provided

About this product

Report incorrect product information

Product Information

The white Nest Thermostat E is a smart thermostat designed to make home climate control simple. It networks with home heating and cooling systems to provide real-time heating adjustments. The Thermostat E can be controlled remotely from an app on your smartphone, tablet or laptop, so it's easy to adjust your heating to exactly where you want it. If paired with a Nest Temperature Sensor, you can have it adjust your home heating automatically to maintain a constant temperature in a room of your choice, and you can also set the thermostat to follow a programmed schedule. When you use the paired app on your smartphone, the thermostat can even tell when you leave the house and turn down your heating to save energy. The Nest E also has useful features beyond climate control. It can be networked with other Nest devices to create a smarter home environment. For example, if linked to the Nest Protect smoke detector, it can automatically shut off the heating system during a fire. It also includes the Furnace Heads-Up system which can warn you if your home heating system isn't working properly.

Product Identifiers

GTIN	0813917020593
BRAND	Nest
MPN	T4001ES
UPC	0813917020593
eBay Product ID (ePID)	242689024

From the eBay product catalog

Product Key Features

Color	White
Model	Nest T4000ES
Energy Star	Compliant
Features	App Control, Learning/Smart Response
Type	Programmable Thermostat
User Interface	Digital
Manufacturer Color	White
Sensor Type	Humidity, Occupancy, Proximity, Temperature

From the eBay product catalog

Additional Product Features

Connected Home Compatibility	Nest
Connected Home Protocol	Wi-Fi

Structured Data

| Cars & Trucks | Sneakers | Purses | Watches | Video Games |

Integration Model – APIs and Feeds

End buyer

6 Browses on partner experience

7 Buys inventory on partner experience

1 Downloads bootstrap inventory feeds

eBay Marketplace

Partner platform / Experience

Items from inventory feed are curated and listed for sale on **Partner Site**.

Partner experience may be a mobile app or mobile/desktop website (or other).

Partner leverages Order API to purchase inventory.

Partner gets latest inventory changes from incremental and snapshot feeds.

5 Downloads incremental and snapshot inventory feeds

4 Curated inventory

8 Buys inventory using Order API

Partner catalog

filter 1
filter 2
filter n
API call

2 Inventory feeds

3 Gets latest item data including first-mile shipping cost and delivery dates

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Feed Platform

~150TB
of Data processed to generate feeds
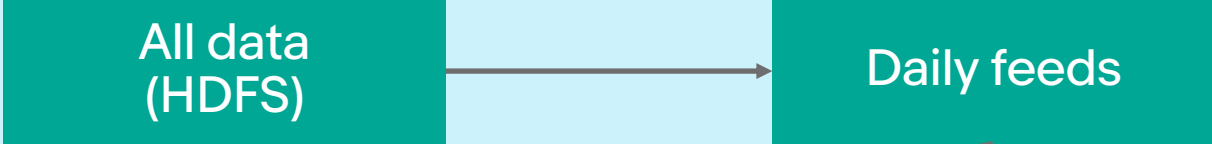
4k+ nodes
to Process the data

1.2B
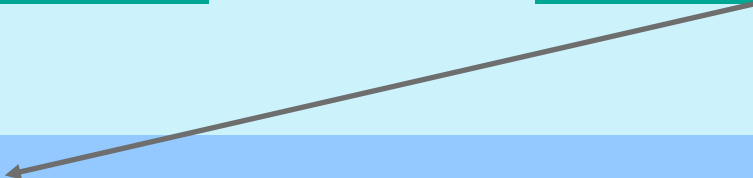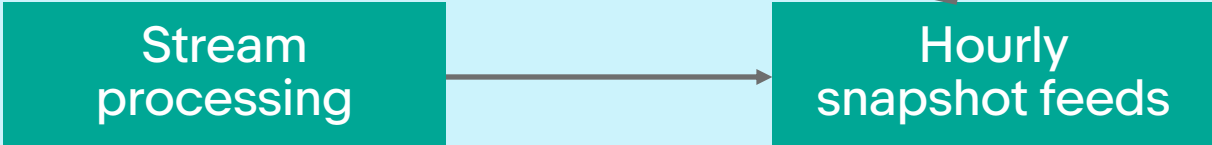Live listings

Modified Lambda Architecture

Batch layer
eBay

Serving layer
Partner platform

Speed layer
eBay

All data (HDFS) → Daily feeds

Batch views

Near real-time views

Merged views

Stream processing → Hourly snapshot feeds
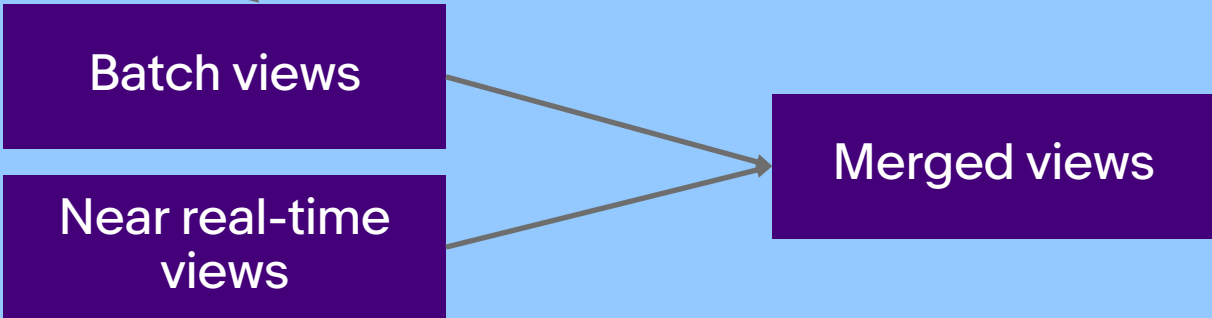
Feed Files – Categories*

*Available to eligible partners

Item

Purchasable items

Item group

Supports seller-defined variation

Product catalog

Product title, description, identifiers, aspects, and images

Item Feed

Purchasable items across marketplaces and categories

Item ID	Primary item group ID	Primary item group type	EPID	...
v1|113705355355|413834761010	113705355355	SELLER_DEFINED_VARIATIONS		
v1|113705355355|413834761011	113705355355	SELLER_DEFINED_VARIATIONS		
v1|223468969567|0			225203100	

Item Group Feed

Item group level data for seller-defined variations

Item group ID	Item group type	Title	...
113705355355	SELLER_DEFINED_VARIATIONS	VBESTLIFE W480 3200-5600K…	
113705571572	SELLER_DEFINED_VARIATIONS	5839 8x Zoom HD Recorder…	

Product Feed

eBay catalog structured data

EPID	Title	...
225203100	Apple iPhone 7 Plus - 128GB - Rose Gold (Verizon) A1661 (CDMA + GSM)	
25023700377	Apple iPhone XS - 256GB - Space Gray (AT&T) A1920 (CDMA + GSM)	

Inventory Curation – Steps

Step 0	Understand eBay taxonomy
Step 1	Download Bootstrap feeds (use SDK)
Step 2	Apply initial set of filters (use SDK)
Step 3	Get the latest item data in the context of integration
Step 4	Import items
Step 5	Use snapshot feeds to synchronize inventory
Step 6	Repeat the same process for daily feeds

Step 0: Understand eBay Taxonomy

Marketplace category tree

Metadata
Item aspects for each category

Category suggestions
List of relevant categories based on keyword

Step 1: Download Bootstrap Feeds

Lightweight

Open-sourced

Java

Python

https://github.com/eBay/FeedSDK

https://github.com/eBay/FeedSDK-Python
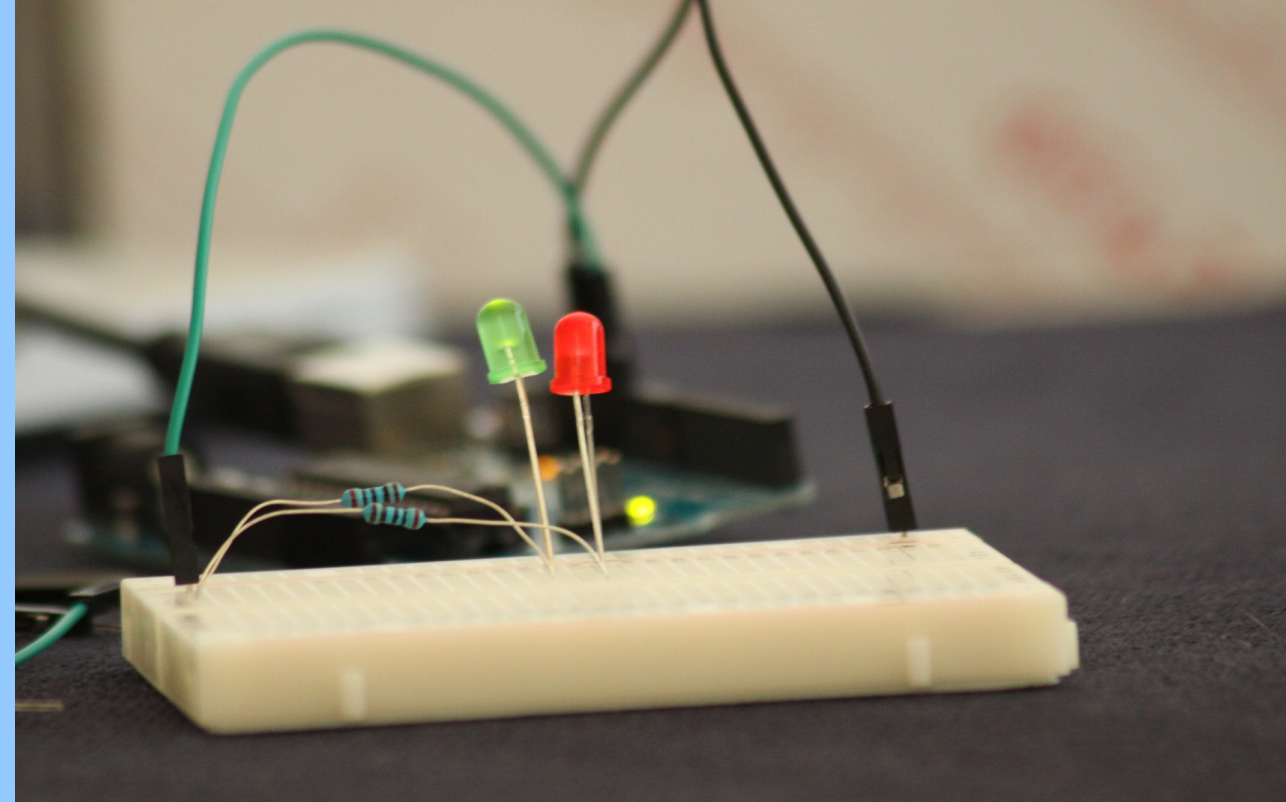
Feed file download

Configurable filters

Step 2: Apply Initial Set of Filters

Filter-funnel approach

Apply criteria based on various item attributes: category, brand, item location...

Use feed SDKs to apply filters

Leaf category

Ship to region

Price

Aspects

...

API call to get availability, estimated shipping cost and delivery date

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Step 3: Browse API – Get Item

Retrieve item availability and attributes not present in the feed
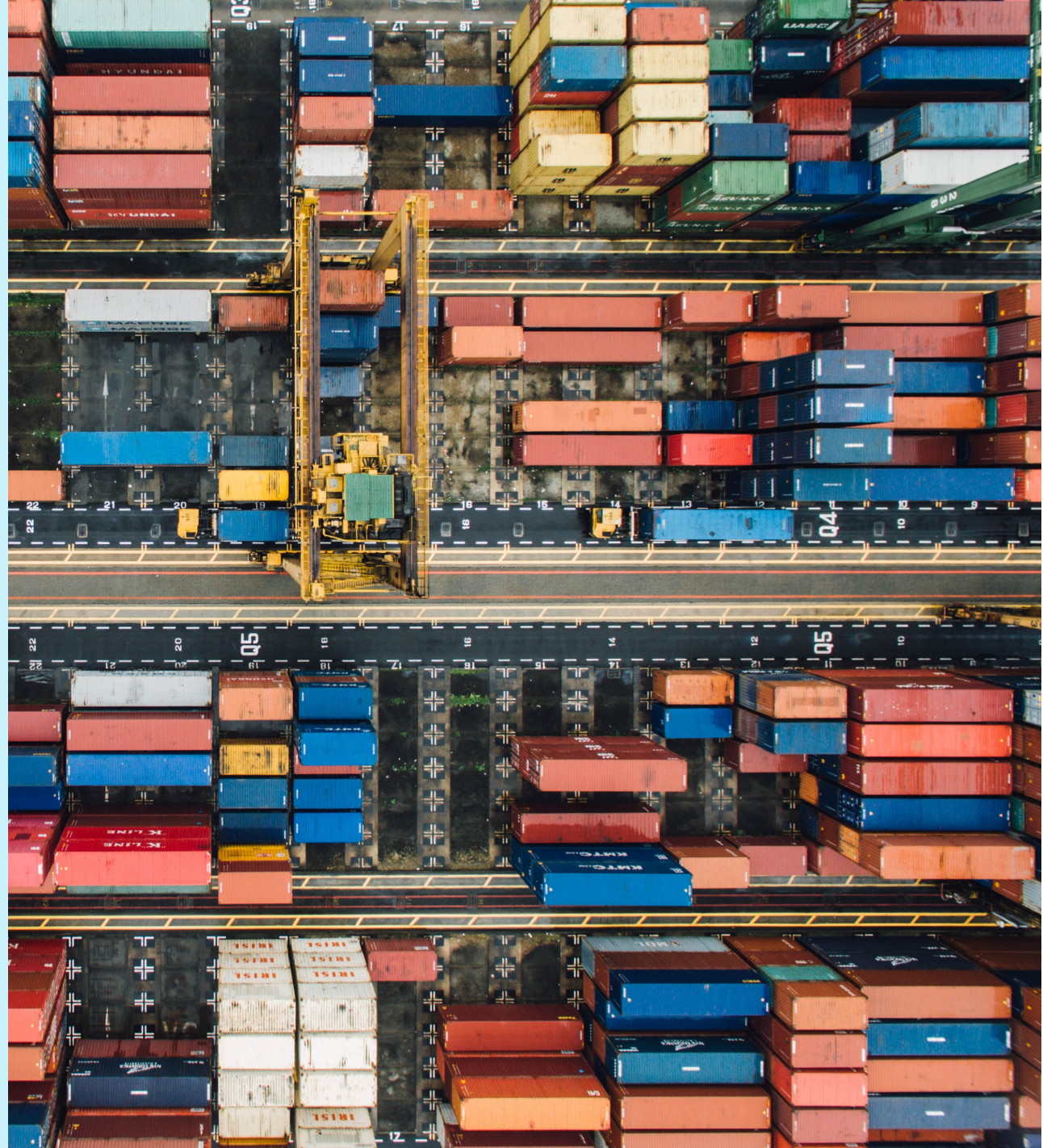
Get information in the context of partner's integration

Shipping options

Shipping cost

Estimated delivery dates

Step 4: Import Items
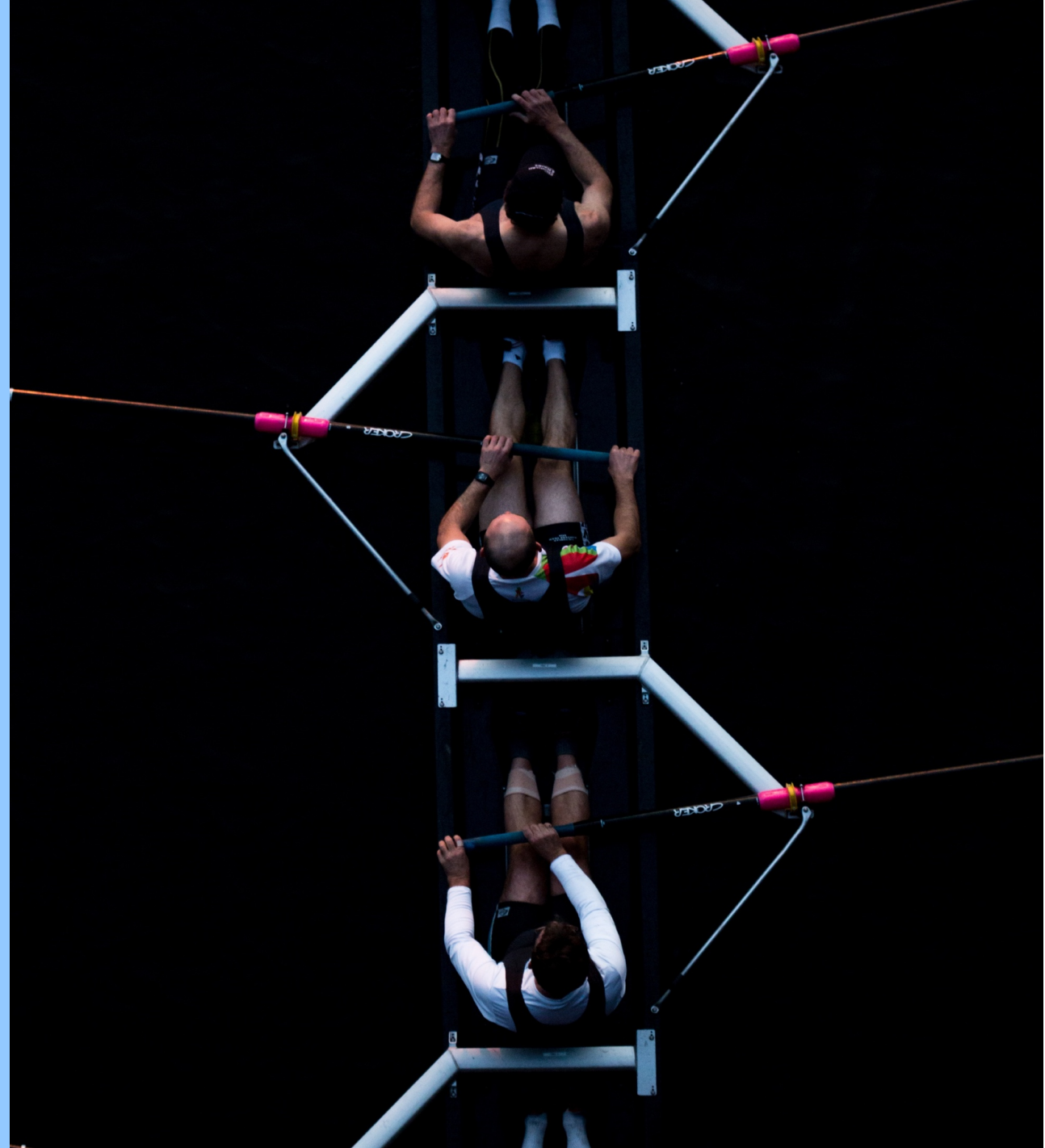
Import curated inventory

Enrich item details with product catalog data

Step 5: Process Snapshot Feeds

Snapshot feeds generated hourly

The latest item data

Step 6: Process Daily Feeds

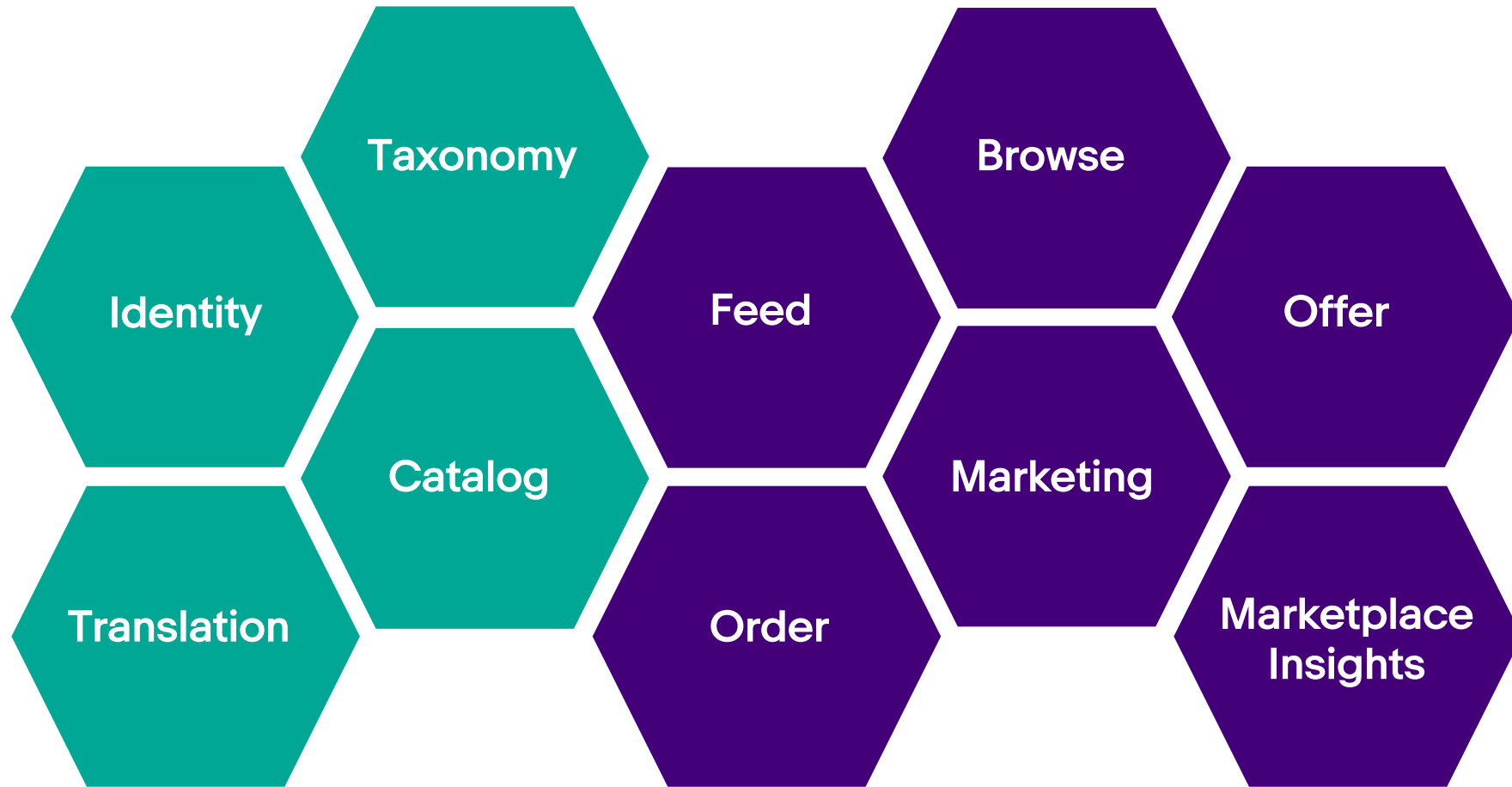Incremental feeds generated daily

Newly listed items

Demo

Buy API Portfolio

When APIs Meet Data Feeds

APIs for real-time data

Feeds for bulk updates

Thank you!

Q&A

eBay Connect 2019

June 25-26, 2019

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