



Marketplace Activity API

Last Updated 11-14-2022

Date	Update
11-14-2022	Clarifying HTTP request verbs and response codes
11-11-2022	First Published

The Marketplace Activity API is a collection of endpoints which will be exposed to the public for the consumption by individuals or 3rd party stats providers. This document is intended as a technical overview of the various endpoints available along with a description of parameters and outputs.

Base Url

`https://marketplace.draftkings.com/api/activity/{Version}`

Version	Notes
v1	<p>Version one provides the ability to query the following:</p> <ul style="list-style-type: none">• NFT Transactions across all of Marketplace• NFT Transactions by Merchandise• NFT Transactions by a specific Merchandise Edition (coming soon)• Related Transactions by TransactionKey (coming soon)<ul style="list-style-type: none">○ For retrieving all awards received as part of a pack open transaction

Key Terms

Term	Description
Transaction	An action (defined by TransactionType) that occurred relating to a specific Merchandise Edition in Marketplace
Collectible	A limited NFT series of a single collectible digital asset where each NFT (Edition) in the series shares the same details (except Edition Number).
Collectible Edition	A unique edition of a Collectible designated by the Edition Number. Each edition is a distinct NFT with the corresponding Edition Number.
Pack	An entity that represents the shared details for a particular set of Pack Editions.
Pack Edition	A specific edition of a Pack which has been minted as an NFT, Pack Editions produce a predefined amount of Collectible

	Editions when opened. Despite the fact that they exist on-chain, Pack Editions can only be opened on DK Marketplace. Pack Editions are also interchangeable until opened so they do not have Edition Numbers. Instead they are identified by a PackEditionKey
Merchandise	Either: <ul style="list-style-type: none"> • Collectible • Pack
Merchandise Edition	Same as above
Attribute	Is a name/value pair that is defined for a piece of Merchandise (NFT) and used for describing distinguishing features.

Type Definitions

Some endpoints below have certain types that are either taken in or returned as strings.

MerchandiseType

Name	Description
Collectible	See Key Terms
Pack	See Key Terms

TransactionType

Name	Description
PrimaryPurchaseConfirmation	<ul style="list-style-type: none"> • Provides price, time, and user information about Collectible/Pack Editions purchased from Drops

	<ul style="list-style-type: none"> • Includes Merchandise metadata
SecondaryPurchaseConfirmation	<ul style="list-style-type: none"> • Provides price, time, and user information about Collectible/Pack Editions purchased from the secondary market • Includes Merchandise metadata
SellPlacement	<ul style="list-style-type: none"> • Provides price, time, and user information about Collectible/Pack Editions listed on the secondary market regardless of whether it actually sold • Includes Merchandise metadata
PackOpened	<ul style="list-style-type: none"> • Provides user information and time information about when a Pack Edition was opened • Includes Merchandise metadata
PackAward	<ul style="list-style-type: none"> • Provides user information and time information about a Collectible Edition that was revealed from a Pack Edition • Includes Merchandise metadata • Includes basic parent Merchandise metadata <ul style="list-style-type: none"> ○ Excludes Thumbnail
AdminReward	<ul style="list-style-type: none"> • Provides user information about Collectible/Pack Editions airdropped or otherwise gifted inside the Marketplace • Includes Merchandise metadata

AwardFromSupplier	<ul style="list-style-type: none"> • Provides user information about Collectible/Pack Editions won in an internal DK contest • Includes Merchandise metadata
AwardFromAuction	<ul style="list-style-type: none"> • Provides price, time, and user information about Collectible/Pack Editions won through an auction • Includes Merchandise metadata
TransferComplete	<ul style="list-style-type: none"> • Provides blockchain wallet, transaction, time, and user information about Collectible/Pack Editions withdrawn from marketplace to an external wallet • Includes Merchandise metadata
DepositComplete	<ul style="list-style-type: none"> • Provides blockchain wallet, transaction, time, and user information about Collectible/Pack Editions deposited to a marketplace portfolio from an external wallet • Includes Merchandise metadata
Minted	<ul style="list-style-type: none"> • Includes time and Merchandise metadata from when any Edition was minted by marketplace

EventType

Event types represent aggregations (or in some cases one-to-one mapping) of TransactionType. These are the types that are used as filter parameters instead of TransactionType, but transaction type names are included in responses on individual transactions

Name	TransactionTypes represented
Sales	The event type accounts for <ul style="list-style-type: none"> • PrimaryPurchaseConfirmation • SecondaryPurchaseConfirmation
Listings	SellPlacement
Prize	AwardFromSupplier
Open	PackOpened
Reward	AdminReward
Won	AwardFromAuction
Withdraw	TransferComplete
Deposit	DepositComplete
Received	PackAward
Mint	Minted

Endpoints

The Activity API contains the following endpoints

Activity Feed Query

Route

Route	Description	Example
POST /transactions	Retrieves paged transaction details with corresponding Merchandise metadata from the marketplace that matches the provided filter criteria	Retrieve all Sales transactions: <pre>curl --location --request POST 'https://marketplace.draftkings.com/api/activity/v1/transactions' \ --header 'Content-Type: application/json' \ --data-raw '{ "EventTypes": ["Sales"]} </pre>

Request Parameters

Parameter	Type	Description
Limit	Int	Page size - currently 200 is the maximum page size we support for this query. If no limit is provided, the default is also 200
Cursor	String	This value is for paging and should be obtained off of the response from this query and sent back to get the next page
EventTypes	Array of Strings	See EventType definitions If no event types are provided then all will be included. Passing in "All" explicitly also has the same effect Exception: when requesting "All" (or with no EventType filter), the following event types are not included: <ul style="list-style-type: none"> ● Received ● Mint

MerchandiseType	string	See MerchandiseType definitions
MinPrice	decimal	When filtering for EventTypes that include prices, the dictates the lowest price desired in the result set
MaxPrice	decimal	When filtering for EventTypes that include prices, the dictates the maximum price desired in the result set
CollectionKeys	Array of GUIDs	Dictates which collections are represented in the result set. See Collections and Suppliers for possible values
SupplierKeys	Array of GUIDs	Dictates which collections are represented in the result set. See Collections and Suppliers
MerchandiseKeys	Array of GUIDs	Dictates what specific merchandise will be represented in the result set.

Response

Body

This is the main body of the response

Property	Type	Description
Transactions	List of MerchandiseTransactionRecords (see below)	Will be ordered by TransactionDate descending
Cursor	string	Will be null if no pages remain
ErrorStatus	ErrorStatus (see below)	Includes error code and description

MerchandiseTransactionRecord

These properties are grouped here for clarity, but they all exist at the root of this object. Each transaction record identifies metadata and transaction specific information related to a particular Collectible Edition (NFT) or Pack Edition in the Marketplace.

Property	Type	Description
ThumbnailUrl	string	Contains the URL to the thumbnail asset of the Collectible (NFT)/Pack
ThumbnailType	string	One of the following values: <ul style="list-style-type: none"> • "Image" • "Video"
ThumbnailMediaType	string	One of the following values: <ul style="list-style-type: none"> • "image/png" • "video/mp4" • "application/x-mpegURL"
MerchandiseName	string	Name of the Collectible (NFT)/Pack
MerchandiseKey	Guid	Unique Marketplace identifier for the Collectible (NFT)/Pack
MerchandiseType	string	See MerchandiseType definition
EditionNumber	int	Is the numerical edition number of the particular edition related to this transaction. Will be null for Packs. Will always be less than the TotalQuantity of the given Collectible (NFT)/Pack
MerchandiseEditionKey	Guid	Unique Marketplace identifier for the specific edition of the Pack Will be null for Collectibles
TotalQuantity	int	Total number of minted Editions of this Collectible (NFT)/Pack Edition

CollectionKey	Guid	Unique Marketplace identifier for the Collection this Collectible (NFT)/Pack Edition belongs to
CollectionName	string	Name of the Collection this Collectible (NFT)/Pack Edition belongs to
SupplierKey	Guid	Unique Marketplace identifier for the Supplier this Collectible Edition (NFT)/Pack Edition belongs to
SupplierName	string	Name of the Supplier this Collectible Edition (NFT)/Pack Edition belongs to
Attributes	List of Attribute Objects (see below)	Attributes and values assigned to the Merchandise that is the subject of the transaction
ParentMerchandiseKey	Guid	Currently only populated for the PackAward TransactionType: Identifies the Pack that produced this Collectible Edition (NFT)
ParentMerchandiseEdition Key	Guid	Currently only populated for the PackAward TransactionType: Identifies the specific Pack edition that produced this Collectible Edition (NFT)
ParentMerchandiseName	string	Currently only populated for the PackAward TransactionType: The name of the Pack that produced this Collectible Edition (NFT)
TransactionKey	string	This is a unique identifier for this transaction in the Marketplace

TransactionType	string	See TransactionType definitions
TransactionDate	DateTime	The date/time the transaction occurred (in UTC)
Username	string	The DK username of the user involved with the transaction (IE user who bought the NFT)
UserKey	Guid	A unique key identifying the user involved with the transaction
Amount	decimal	A decimal value showing the value of the transaction (IE purchase price)
CurrencyCode	string	Currency of the transaction - currently always "USD"
BlockchainTransactionHash	string	<p>Unique transaction hash identifying the transaction on the blockchain.</p> <p>Currently only available for these TransactionTypes:</p> <ul style="list-style-type: none"> • TransferComplete • DepositComplete
BlockchainTransactionUrl	string	<p>URL to the blockchain-specific "blockscan" site showing the status of this transaction</p> <p>Currently only available for these TransactionTypes:</p> <ul style="list-style-type: none"> • TransferComplete • DepositComplete
BlockchainWalletAddress	string	Wallet address of either the destination or origination of this transaction.

		<p>Currently only available for these TransactionTypes:</p> <ul style="list-style-type: none"> • TransferComplete (destination wallet) • DepositComplete (origin wallet)
BlockchainWalletUrl	string	<p>URL to the blockchain-specific "blockscan" site showing the wallet</p> <p>Currently only available for these TransactionTypes:</p> <ul style="list-style-type: none"> • TransferComplete (destination wallet) • DepositComplete (origin wallet)
RelatedTransactionCount	int	<p>If this value is greater than zero then that is an indication that this transaction is the "Parent" of another transaction.</p> <p>This is only the case currently for PackOpened TransactionType - in this case this value represents the number of awards generated from this Pack Edition</p>

Attribute

Property	Type	Description
Name	string	The name of this attribute - IE "Position"
ValueType	string	<p>Indicates what data type is represented in the Value property from the following possible values:</p> <ul style="list-style-type: none"> • "Number" • "Text" • "Boolean"

Value	string	The specific value for the given attribute - IE Name: "Position" Value: "Quarterback"
ValueUrl	string	Hyperlink associated with this attribute value

ErrorStatus

Property	Type	Description
Code	string	See Error Codes below
ErrorMessage	string	Description of the error - can be provided with support requests
HttpStatusCode	int	Common Http Status code provided on every response

Error Codes

These codes can be returned from the Activity API

Code	Description	HTTP Status Code
"MPA-400"	Bad Request	400
"MPA-408"/"MPA-410"	Feature Disabled	501
"MPA-500"	Internal Server Error	500

Example

Description	Retrieve the most recent Sales transaction from all Collectibles in the Reignmakers Football Collection
Request	<i>curl --location --request POST 'https://marketplace.draftkings.com/api/activity/v1/transactions' \</i>

```
--header 'Content-Type: application/json' \  
--data-raw '{  
  "EventTypes": ["Sales"],  
  "MerchandiseType": "Collectible"  
  "CollectionKeys": ["5EAE2563006D4FE0AE1405A31567C60C"]  
  "Limit": 1  
}'
```

Response

```
"transactions": [  
  {  
    "thumbnailUrl":  
    "https://marketplace.draftkings.com/_assets/Staging/2022-08-14_Prize_Master/Thumbnails/s  
et_prizev12022_tyler_lockett_19905_core_thumbnail.png",  
    "thumbnailType": "Image",  
    "thumbnailMediaType": "image/png",  
    "merchandiseName": "Tyler Lockett: 2022 Prize Set (CORE)",  
    "merchandiseKey": "d8f60d4260164d5f9b7136f0b3a7fb18",  
    "merchandiseType": "Collectible",  
    "editionNumber": 179,  
    "totalQuantity": 600,  
    "collectionKey": "5eae2563006d4fe0ae1405a31567c60c",  
    "collectionName": "Reignmakers Football Collection",  
    "supplierKey": "a36385bff3e011ec85f81223fa216287",  
    "supplierName": "DraftKings x NFLPA",  
    "attributes": [  
      {  
        "name": "Athlete Name",  
        "valueType": "Text",  
        "value": "Tyler Lockett",  
        "valueUrl": ""  
      },  
      {  
        "name": "Edition Tier",  
        "valueType": "Text",  
        "value": "Skill Starters"  
      },  
    ]  
  }  
]
```

```
{
  "name": "PlayerDkId",
  "valueType": "Number",
  "value": "19905",
  "valueUrl": ""
},
{
  "name": "Position",
  "valueType": "Text",
  "value": "WR"
},
{
  "name": "Rarity Tier",
  "valueType": "Text",
  "value": "Core"
},
{
  "name": "Rookie Status",
  "valueType": "Text",
  "value": "No"
},
{
  "name": "Series",
  "valueType": "Text",
  "value": "2022"
},
{
  "name": "Set Name",
  "valueType": "Text",
  "value": "Prize"
},
{
  "name": "SuperStar Status",
  "valueType": "Text",
  "value": "No"
},
},
```

```

    {
      "name": "Team",
      "valueType": "Text",
      "value": "SEA"
    },
    {
      "name": "GameCard",
      "valueType": "Text",
      "value":
"https://api.draftkings.com/nftgames/assets/reignmakers-football/collectiblegamecards/set_p
rizev12022_tyler_lockett_19905_core_gamecard.png",
      "valueUrl": ""
    }
  ],
  "transactionKey": "q/oVIAO7w0WMLq68M4su2j/AUKXsstaFzlvbcOFKjh4=",
  "transactionType": "SecondaryPurchaseConfirmation",
  "transactionDate": "2022-11-08T20:24:49.0000000+00:00",
  "username": "Superunknown454",
  "userKey": "8d4e26ad-1a1f-4653-bd03-6d06104e3e63",
  "amount": 6.0,
  "currencyCode": "USD",
  "relatedTransactionCount": 0
}
],
"cursor": "1667939089000|bqapPq"
}

```

Cursor Use

The Transaction query is paged and defaults to 200 records (this is also currently the max allowed). This means that the response from the Transactions endpoint will contain a string Cursor property if there are more records that match the specified filters. This Cursor

property can be passed into a subsequent call to the query which, if combined with the same filter parameters, will result in the next page being returned with no duplicate data.

From the example above, to get the next page you would simply add the Cursor property from the response as a parameter to the API call:

```
curl --location --request POST
'http://test-marketplaceapi.test.dkinternal.com/public/activity/v1/transactions' \
--header 'Content-Type: application/json' \
--data-raw '{
  "EventTypes": ["Sales"],
  "MerchandiseType": "Collectible"
  "CollectionKeys": ["5EAE2563006D4FE0AE1405A31567C60C"]
  "Limit": 1
  "Cursor": "1667939089000|bqapPq"
}'
```

Limits and SLA

SLA	Expected
Rate	No more than 200 requests per 30 seconds If this rate is violated, the offending IP will be banned for 1 hour. If banned, client will receive HTTP code 429
Expected latency	100-300 ms Should not take longer than 1 second at maximum
Maximum Transactions per request	We do not allow requests for more than 200 transactions at a time

Collections and Suppliers

These keys can be used as filters on the activity feed query. We will soon be providing an endpoint that can be used to retrieve these, but the current list is provided here for easy reference.

Collections

Reignmakers

Collection Name	Collection Key
Reignmakers Football Collection	5EAE2563006D4FE0AE1405A31567C60C
Reignmakers UFC Collection	8B8F14FB451944ACA580A1E6BCB95CD4

Others

Collection Name	Collection Key
Preseason Access Collection	602780A639344EB9BB25B6B5763FBCBD
SLAM Logo Passes	912D0BEAC3674C8CA4D575A9328BCE28
Saw Chapter 1 Collection	E6F9AADEC79743A09391718147E132A6
Wayne Gretzky Gold on Ice Collection	F5B0E72826254ED083C4DE79C48D3C8E
Simone Biles High Score Collection	818C689E7ADA40BB95DFE904AB256B3C
Words to Live By: The 2021 V Foundation Collection	EE5B00E60B1C45458232AEF3B6FD43FE
Tom Brady Origins Collection	8B6DC5F7D703444DA94DFAD20A650B9E
Tony Hawk Last Trick Collection	2F48440A2C8E4B3E9D64FEC2434FF5FA
Derek Jeter: The Captain Collection	75598615C03B4D92B040248084D22C67
Resolve: The Naomi Osaka Manga Collection	7DCE519C231F4394AF61E5CD9863D6A1

Dale Earnhardt Jr. Victory Lap Collection	25D301B148EE4F5AA758B4DFE135F1D7
Super Gronk Collection	E8B15F0F3D514BDA8916369B6A13697C
Autograph Trophy Room Collection	DB57FF08350E4141B248D351C9DFB059
SAW Valentine's Day Heartpounder Collection	A215BD73F21446E9BEA18EC27309B862
Tiger Woods - The Ace Collection	60442DF54ADB4160A2E234AF4515463F
2022 College Hoops Collection	7D121BF068694EAA9709E10BF747F25A
Usain Bolt: Tracks & Records Collection	CE3B1717C91D440DA603058D33ADB1BD
Tiger Woods Iconic Fist Pumps Collection	45E0244D6FEE486C9A7F752DDCFB1FCA
Man in the Arena: Tom Brady Collection	0D54D6E1EB10468F95963A6C50A9FDAA
2022 Augusta, GA Golf Collection	BDDCD84F46C6485FBAAB76ECA79891AC
Top Rank: Enter the Ring	D72B7502E75844468A4B5D708406513F
Tony Hawk Last Trick Skateboard Collection	CC90CB4208D747FF8F5A91D79F3E1725
James Harden: The Way of the Beard	38B54800C76F45C7B1FC10765C011348
2022 Reignmakers Football Field Pass Collection	FCEF9D5CD0E24267A1B54A1EF5FCA7EC
Vladimir Guerrero Jr. Metabilia Collection	E373BD6F3DD44F6EAEC53CBA01DFD909
Ronald Acuña Jr. Metabilia Collection	985E4F9575FA420BAE3632D70B373983
The Future is...	45B62D0BDD324DC98160CBF3E8F52D72
2022 Running Mates Collection	A9FCAB2B852742DCA81E46A077D38257
Court Vision: The 2022 Basketball Playoffs Collection	D161E8E2A3BF461D9619713F7AA2846B
The 2022 Indianapolis 500 Collection	B0F73B35EF8B435DAD3A3DBC5FA64BBF

Vladimir Guerrero Jr. Limited Edition Collection	51044E62A97E4B08A12B6C3E60EB27D0
Ronald Acuña Jr. Limited Edition Collection	98190EC949074914B5172DB5C7D16B56
Josh Allen Metabilia Collection	6CE0B3BFB9254489A0BC55737A07DFD8
2022 NFT Collection	8BEC70B1F89E4E548B70BA08F7CEF56E
El Rey: The Rafael Nadal Collection	DBC380DA0745413386710B4B80A83795
Josh Allen One4One NFTs	D95A2F1DE665443CA79EAB58BB7CB729
2022 Grass Court Passes Collection	70854D27A9F84A899E47E76C7EAE3A25
Vladimir Guerrero Jr. One4One NFTs	0EA10FF5C71B400CA07E81121CF0EF43
Ronald Acuña Jr. One4One NFTs	5679E69D0174469D9B505139A8B1B114
Shane Bieber Metabilia Collection	B0E3AC9E338E44BFA5AF1EEFDD8EC4AD
DNU	6C70BA4F8C0E4A16B4F9C5067B64EA5B
2022 Rec League All-Stars Collection	7317E746245C4FC6946FA489EE31B50D
Shane Bieber Limited Edition Collection	A6BFD2935FA246A1A7BDBADCD2F2733C
Joe Musgrove Metabilia Collection	3AD705B2470C4305869A2DA6DE333B6D
2022 DKFC Jersey Collection	F9F878990622413A8DCE1121057587CF
Joe Musgrove Limited Edition Collection	5AA954920F7D4F408DB2430B74D04C65
2022 Pixel Playmakers Collection	17A8AA1F84C8468A853010A2DAD023D6
Aoki All-Star Access Pass	6C7E89F7C2594438B67346CA18B95AF8
Aaron Donald Metabilia Collection	675EDD7814B54610B2EC8E1A995E9A75
SlyCrocs	46E32B366C5743FB98B34914B5DCA83F
Daily Fantasy Membership Collection	137349A68D864DFE8C87CB0DA07C2957
Promotional PFP Collection	B96393C74F2444DE8F92C75F50CDB92E

The DraftKingdom: Trolls	08AE41467117483D98A127E80102124B
2022 Cup Dreams Collection	773B297A31044E8FACEAE15C124F640B
Dropping 11/17: SLAM Retro Covers Vol. 1	870D762BDCB14FD199CCAC1514B14855

Suppliers

Supplier Name	Supplier Key
Autograph	A3638152F3E011EC85F81223FA216287
ESPN	A36383D7F3E011EC85F81223FA216287
DraftKings	A3638494F3E011EC85F81223FA216287
Metabilia	A3638534F3E011EC85F81223FA216287
DraftKings x NFLPA	A36385BFF3E011EC85F81223FA216287
DraftKings x UFC	A363864AF3E011EC85F81223FA216287
Steve Aoki	88057CAB445743ECB4C19A8671ABFAF4
SupDucks	1F3E0426A416498C91DA5A5741CF90DA

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