



BYMA
Bolsas y Mercados
Argentinos

Manual **API Custody Instruments**

Agosto 2024

En el presente documento se detallan las especificaciones para el uso de la aplicación API CUSTODY INSTRUMENTS, una interfaz de programación diseñada para integrar eficientemente el nuevo sistema de custodia de efectivo.


Este documento pertenece a BYMA - Bolsas y Mercados Argentinos S.A. - Mercado registrado bajo el N° 639 de la CNV.

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Para BYMA la sustentabilidad es una prioridad. Por eso, trabaja para generar impacto económico, social y ambiental positivo en el ecosistema local.

Si bien este manual de usuario está diseñado para impresión, te pedimos evitar la impresión en papel en la mayor medida posible, para contribuir al cuidado del medio ambiente.

Historial de versiones

Fecha	Versión	Descripción	Autor	
02/08/2024	1.0.0	Consulta de instrumentos estándares y no estándares, consulta de Asset Classes	BYMA	
09/08/2024	1.0.0	Se actualizan los EndPoints	BYMA	

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Descripción General de la Api

La API de Instruments proporciona métodos esenciales para que los agentes consulten los saldos de instrumentos financieros mantenidos en cuentas de custodia. Esta API es está diseñada para facilitar el acceso a información precisa y actualizada sobre los saldos de diversos instrumentos financieros. Está gestionada a través del API Manager, garantizando seguridad y eficiencia en la consulta de datos.

La API de Instruments incluye los siguientes métodos clave para la gestión y consulta de activos en custodia:

- **Listado de Clases de Activos en Custodia:**
 - Endpoint: GET /instruments/asset-classes
 - Descripción: Obtiene una lista de las distintas clases de activos que se encuentran en custodia.
- **Listado de Instrumentos Estándares en Custodia:**
 - EndPoint: GET /instruments/standards
 - Descripción: Proporciona una lista de los instrumentos financieros estandarizados dentro del sistema de custodia.
- **Listado de Instrumentos No Estandarizados en Custodia:**
 - EndPoint: GET /instruments/non-standards
 - Descripción: Obtiene una lista de los instrumentos financieros no estandarizados dentro del sistema de custodia.

Autenticación de la API REST

La autenticación de una API es un proceso fundamental para garantizar que solo los usuarios o sistemas autorizados tengan acceso a los recursos y datos protegidos por la API. Hay varias formas de autenticar una API, y la elección de la técnica de autenticación dependerá de los requisitos de seguridad y de la infraestructura de la aplicación. La API REST se autenticará utilizando la siguiente técnica:

OAuth 2.0: OAuth 2.0 es un protocolo de autorización ampliamente utilizado para permitir a las aplicaciones acceder a recursos en nombre de los usuarios sin compartir sus credenciales directamente. Los flujos de OAuth 2.0, como el flujo de concesión de código, permiten que las aplicaciones obtengan tokens de acceso para autenticarse ante la API.

Consideraciones generales

Los métodos instruments/standards e instruments/non-standards se disponibilizan en formato json y CSV.

Entornos Disponibles

Las siguientes URL, apuntan al Portal de Desarrolladores ByMA.

- Homologación: <https://hs-desarrolladores.byma.com.ar>
- Producción: <https://desarrolladores.byma.com.ar>

/asset-classes

Este EndPoint se utiliza para consultar el listado de TIPOS de instrumentos y no necesita ninguna validación por agente.

Se listan los EndPoint de cada uno de los entornos.

URLs:

Homologación:

<https://hs-api.byma.com.ar/custody-instruments/v1/asset-classes.csv/>

Producción:

<https://api.byma.com.ar/custody-instruments/v1/asset-classes.csv/>

Método HTTP

GET.

Ejemplo /asset-classes

EndPoint:

<https://hs-api.byma.com.ar/custody-instruments/v1/asset-classes.csv/>


```
INTERNACIONAL"}, {"identAssetClass":40146,"assetClassName":"NOTA"}, {"identAssetClass":40147,"assetClassName":"OBLIGACION NEGOCIABLE CONVERTIBLE"}, {"identAssetClass":40148,"assetClassName":"OBLIGACION NEGOCIABLE PYME"}, {"identAssetClass":40149,"assetClassName":"OBLIGACION NEGOCIABLE SIMPLE"}, {"identAssetClass":40128,"assetClassName":"Pagares - No Standard"}, {"identAssetClass":40152,"assetClassName":"PRESTAMOS GARANTIZADOS"}, {"identAssetClass":40150,"assetClassName":"VALOR DE DEUDA FIDUCIARIA"}, {"identAssetClass":40151,"assetClassName":"WARRANTS"}]
```

Diccionario de Datos

Columnas	Tipo de Dato	Descripción
identAssetClass	number	Identificador único interno de la tabla ASSETCLASS
assetClassName	Varchar2	Classification type of the financial instrument, as per the CVSA NCSD codification, for example, ADR or CEDEAR. https://www.iso20022.org/standardsrepository/type/AssetClassification

/ non-standard

El método /non-standard muestra el listado de instrumentos no estandarizados.

Se listan los EndPoint de cada uno de los entornos.

URLs:

Homologación:

<https://hs-api.byma.com.ar/custody-instruments/v1/non-standard.csv/?assetclassname=Cheques%20Pago%20Diferido%20-%20No%20Standard&cvsaidentifier=>

Producción:

<https://api.byma.com.ar/custody-instruments/v1/non-standard.csv/?assetclassname=Cheques%20Pago%20Diferido%20-%20No%20Standard&cvsaidentifier=>

Método HTTP

GET.

Ejemplo /non-standard

En este primer ejemplo, se ejecuta la consulta sin aplicar los parámetros.

Consulta sin aplicar parámetros:

EndPoint:

<https://hs-api.byma.com.ar/custody-instruments/v1/non-standard.csv/?assetclassname=Cheques%20Pago%20Diferido%20-%20No%20Standard&cvsaidentifier=>

Headers:

'Authorization: Bearer {{access_token}}'

Request:

```
curl --location 'https://hs-api.byma.com.ar/custody-instruments/v1/non-standard.csv/?assetClassName=Cheques%20Pago%20Diferido%20-%20No%20Standard&cvsaidentifier=%' \
```

```
--header 'Authorization: Bearer eyJraWQiOiJwM1E0dEpVd0NQOG4zNiIRdkhSV09GMHhzcINxOXpQTERIN3ptOHlySk9jliwiYWxnIjoiUIMyNTYifQ.eyJ2ZXliOiJEsI mp0aSI6IkFULm5peHVhVUZkQ2UwYm1RWGNXTU03V1NXUnVDVh45WnhTdnllbksyY3hLSTQiLCJpc3MiOiJodHRwczovL3RIY3Z
```

```
hbC1zYW5kYm94Lm9rdGFwcmV2aWV3LmNvbS9vYXV0aDlVYXVzZHhnmE2MkIXVUwwQkwxZDciLCJhdWQiOiJ2b3J0ZXgtcHJlcHJvZC12cG4iLCJpYXQiOiE3MjM4MTA5NTQsImV4cCI6MTcyMzg5NzM1NCwiY2lkIjojMG9hZW4xdGUzY0ttajJIUDYxZDciLCJzY3AiOlsiY3VzdG9keWluc3RydW1lbnRzLnJlYWQiXSwic3ViljoiMG9hZW4xdGUzY0ttajJIUDYxZDcifQ.H_DOITOS3K6j7bAW1az9m88M9kC-Gnl3DOUuzvqDzs0V5q-SnuQWJO3H50zEKrbQ-vGWZiMEtR2H_YxoDn2pkrQlsjihkPMSy0-gkO4dEAJLQy5u1jSLyupMjlbns6ewjYyOM3UNyxKH3w7zPdVUEOoDHhj7t9buo4ITO9-p02TWfJGOgLxra_CCsZiXuXHnyRbVevD4Ju-IQTEKcWpGw-rrqDoL7hYoDrGs9eQsdHgwibSOpSokqFZTIL7nfDa35sznnNdm2t4pu6xS39jvoMtKm_cTWcttjA--E85zd_eilE5meCoklLgrVffuX0XcAZLCJ2nCHesHyR156uUCw'
```

Response:

```
{
  "message": "Response is not ready call later with uuid >> e9d93a1b-7544-46ca-82da-247517141067",
  "code": 409,
  "uuid": "e9d93a1b-7544-46ca-82da-247517141067"
}
```

Consulta del UUID:**Request:**

```
curl --location 'https://hs-api.byma.com.ar/custody-instruments/v1/non-standard.csv?assetClassName=Cheques%20Pago%20Diferido%20-%20No%20Standard&cvsalIdentifier=%' \
--header 'Authorization: Bearer eyJraWQiOiJwM1E0dEpVd0NQOG4zNiIRdkhSV09GMHhzcINxOXpQTERIN3ptOHlySk9jliwiYWxnljoiUIMyNTYifQ.eyJ2ZXliOiEsIm00aSI6IkFUM5peHVlVUZkQ2UwYm1RWGNXTU03V1NXUnVDVh45WnhTdnllbksyY3hLSTQiLCJpc3MiOiJodHRwczovL3RIY3ZhbC1zYW5kYm94Lm9rdGFwcmV2aWV3LmNvbS9vYXV0aDlVYXVzZHhnmE2MkIXVUwwQkwxZDciLCJhdWQiOiJ2b3J0ZXgtcHJlcHJvZC12cG4iLCJpYXQiOiE3MjM4MTA5NTQsImV4cCI6MTcyMzg5NzM1NCwiY2lkIjojMG9hZW4xdGUzY0ttajJIUDYxZDciLCJzY3AiOlsiY3VzdG9keWluc3RydW1lbnRzLnJlYWQiXSwic3ViljoiMG9hZW4xdGUzY0ttajJIUDYxZDcifQ.H_DOITOS3K6j7bAW1az9m88M9kC-Gnl3DOUuzvqDzs0V5q-SnuQWJO3H50zEKrbQ-vGWZiMEtR2H_YxoDn2pkrQlsjihkPMSy0-gkO4dEAJLQy5u1jSLyupMjlbns6ewjYyOM3UNyxKH3w7zPdVUEOoDHhj7t9buo4ITO9-p02TWfJGOgLxra_CCsZiXuXHnyRbVevD4Ju-IQTEKcWpGw-rrqDoL7hYoDrGs9eQsdHgwibSOpSokqFZTIL7nfDa35sznnNdm2t4pu6xS39jvoMtKm_cTWcttjA--E85zd_eilE5meCoklLgrVffuX0XcAZLCJ2nCHesHyR156uUCw' \
--header 'X-UUID: e9d93a1b-7544-46ca-82da-247517141067'
```

Response:

```
identInstrument;cvsalIdentifier;instrumentLongName;isin;paymentCurrency;currency;cfIdentifier;maturityDate;nominalValue;settle
mentLot;minimumSettlementQuant;expirationDate;issueDate;registrationDate;lastUpdateTime;volumeType;issuedQuantity;identA
ctivationType;openendedFund;activationTypeName;issuerName;identIssuer;issuerCode;issuerActivationTypeName;issuerCsdName
;identIssuerCsd;issuerCsdCode;registrarName;identInstrumentRegistrar;registrarCode;issuerAgentName;identAssetClass;assetClas
sName;instrumentRestricted;issuerRestricted;numberOfDecimals;issuanceAccountOperator;eligibleForCollateral;eligibleForLending
;eligibleForPledge;legallyClaimed;underlyingAssetHeldOutside;paymentStatus;responsibleParty;responsiblePartyCuit;globalProgra
m;IdentHolder;instrumentType;markedToDeactivate;cvsBranch

1293377;ACPY080800514;ACPY;;ARS;ARS;;2024-08-08 00:00:00.0;;34283400;34283400;;2024-05-08 00:00:00.0;2024-07-18
00:00:00.0;2024-08-08 05:00:35.868337;Face amount;34283400;1;0;Active;DUMMY_ISSUER;1;DUMMY_ISSUER;Active;Caja de
valores;1;CVSA;;;40119;Cheques Pago Diferido - No Standard;0;0;2;1;0;0;1;No;0;Payment pending;ACINDAR PYMES
SGR;30709377295;;8042;NSI;0;1
```

Consulta aplicando ambos parámetros**EndPoint:**

```
https://hs-api.byma.com.ar/custody-instruments/v1/non-standard.csv?assetClassName=Cheques%20Pago%20Diferido%20-%20No%20Standard&cvsalIdentifier=ACPY080800514
```

Headers:

```
'Authorization: Bearer {{access_token}}'
```

Request:

```
curl --location 'https://hs-api.byma.com.ar/custody-instruments/v1/non-standard.csv?assetClassName=Cheques%20Pago%20Diferido%20-%20No%20Standard&cvsalIdentifier=ACPY080800514' \
```



```
--header 'Authorization: Bearer
eyJraWQiOiJwM1E0dEpVd0NQOG4zNlRdkhSV09GMHhzcINxOXpQTERIN3ptOHlySk9jliwiYWxnljoiUIMyNTYifQ.eyJ2ZXliOiEsl
mp0aSI6IklFULm5peHVlVUZkQ2UwYm1RWGNXTU03V1NXUnVDVh45WnhTdnllbksyY3hLSTQiLCJpc3MiOiJodHRwczovL3RIY3Z
hbC1zYW5kYm94Lm9rdGFwcmV2aWV3LmNvbS9vYXV0aDIvYXVzZHNemE2MklXVUwwQkwxZDciLCJhdWQiOiJ2b3J0ZXgtcHJ
lcHJvZC12cG4iLCJpYXQiOiE3MjM4MTA5NTQsImV4cCI6MTcyMzg5NzY2IkljoiMG9hZW4xdGUzY0ttajJIUDYxZDciLCJz
Y3AiOiY3VzdG9keWluc3RydW1lbnRzLnJlYWQiXSwic3ViljoiMG9hZW4xdGUzY0ttajJIUDYxZDcifQ.H_DOITOS3K6j7bAW1az9m
88M9kC-Gnl3DOUuzvqDzs0V5q-SnuQWJO3H50zEKrbQ-vGWZiMEtR2H_YxoDn2pkrQlsjihkPMSy0-
gkO4dEAJLQy5u1jSLyupMjIbnS6ewjYyOM3UNyxKH3w7zPdVUEOoDHhj7t9buo4ITO9-
p02TWfJGOgLxra_CCsZiXuXHnyRbVevD4Ju-IQTEKcWpGw-
rrqDoL7hYoDrGs9eQsDHgwibSOpSokqFZTIL7nfDa35sznnNdm2t4pu6xS39jvoMtKm_cTWcttjA--
E85zd_eilE5meCoklLgrVffuX0XcAZLCJ2nCHesHyR156uUCw'
```

Response:

```
{
  "message": "Response is not ready call later with uuid >> ff6010b7-7e47-4fbd-9b02-ef2e4ed3ab3d",
  "code": 409,
  "uuid": "ff6010b7-7e47-4fbd-9b02-ef2e4ed3ab3d"
}
```

Consulta del UUID:**Request:**

```
curl --location 'https://hs-api.byma.com.ar/custody-instruments/v1/non-
standard.csv/?assetClassName=Cheques%20Pago%20Diferido%20-%20No%20Standard&cvsalIdentifier=ACPY080800514'\
```

```
--header 'Authorization: Bearer
eyJraWQiOiJwM1E0dEpVd0NQOG4zNlRdkhSV09GMHhzcINxOXpQTERIN3ptOHlySk9jliwiYWxnljoiUIMyNTYifQ.eyJ2ZXliOiEsl
mp0aSI6IklFULm5peHVlVUZkQ2UwYm1RWGNXTU03V1NXUnVDVh45WnhTdnllbksyY3hLSTQiLCJpc3MiOiJodHRwczovL3RIY3Z
hbC1zYW5kYm94Lm9rdGFwcmV2aWV3LmNvbS9vYXV0aDIvYXVzZHNemE2MklXVUwwQkwxZDciLCJhdWQiOiJ2b3J0ZXgtcHJ
lcHJvZC12cG4iLCJpYXQiOiE3MjM4MTA5NTQsImV4cCI6MTcyMzg5NzY2IkljoiMG9hZW4xdGUzY0ttajJIUDYxZDciLCJz
Y3AiOiY3VzdG9keWluc3RydW1lbnRzLnJlYWQiXSwic3ViljoiMG9hZW4xdGUzY0ttajJIUDYxZDcifQ.H_DOITOS3K6j7bAW1az9m
88M9kC-Gnl3DOUuzvqDzs0V5q-SnuQWJO3H50zEKrbQ-vGWZiMEtR2H_YxoDn2pkrQlsjihkPMSy0-
gkO4dEAJLQy5u1jSLyupMjIbnS6ewjYyOM3UNyxKH3w7zPdVUEOoDHhj7t9buo4ITO9-
p02TWfJGOgLxra_CCsZiXuXHnyRbVevD4Ju-IQTEKcWpGw-
rrqDoL7hYoDrGs9eQsDHgwibSOpSokqFZTIL7nfDa35sznnNdm2t4pu6xS39jvoMtKm_cTWcttjA--
E85zd_eilE5meCoklLgrVffuX0XcAZLCJ2nCHesHyR156uUCw'\
```

```
--header 'X-UUID: ff6010b7-7e47-4fbd-9b02-ef2e4ed3ab3d'
```

Response:

```
identInstrument;cvsalIdentifier;instrumentLongName;isin;paymentCurrency;currency;cfIdentifier;maturityDate;nominalValue;settle
mentLot;minimumSettlementQuant;expirationDate;issueDate;registrationDate;lastUpdateTime;volumeType;issuedQuantity;identA
ctivationType;openendedFund;activationTypeName;issuerName;identIssuer;issuerCode;issuerActivationTypeName;issuerCsdName
;identIssuerCsd;issuerCsdCode;registrarName;identInstrumentRegistrar;registrarCode;issuerAgentName;identAssetClass;assetClas
sName;instrumentRestricted;issuerRestricted;numberOfDecimals;issuanceAccountOperator;eligibleForCollateral;eligibleForLending
;eligibleForPledge;legallyClaimed;underlyingAssetHeldOutside;paymentStatus;responsibleParty;responsiblePartyCuit;globalProgra
m;IdentHolder;instrumentType;markedToDeactivate;cvsBranch
```

```
1293377;ACPY080800514;ACPY;;ARS;ARS;;2024-08-08 00:00:00.0;;34283400;34283400;;2024-05-08 00:00:00.0;2024-07-18
00:00:00.0;2024-08-08 05:00:35.868337;Face amount;34283400;1;0;Active;DUMMY_ISSUER;1;DUMMY_ISSUER;Active;Caja de
valores;1;CVSA;;;40119;Cheques Pago Diferido - No Standard;0;0;2;1;0;0;1;No;0;Payment pending;ACINDAR PYMES
SGR;30709377295;;8042;NSI;0;1
```

Diccionario de Datos

Columnas	Tipo de Dato	Descripción
participantCode	string	Identifier issued to a party assigned by the CVSA generating identification scheme for participants.

cvsaIdentifier	string	Identifier of a security assigned by the CVSA generating identification scheme for financial instruments. An alphanumeric code of 1 to 5 characters is assigned for securities while for non-standard instruments their own identifier is maintained. https://www.iso20022.org/standardsrepository/type/SecuritiesIdentification
instrumentLongName	Varchar2	Name of the security. https://www.iso20022.org/standardsrepository/type/FinancialInstrumentName1
identInstrument	Decimal (13,0)	Internal identifier of the INSTRUMENT table from the Nasdaq custody system.
Isin	Varchar2	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organization for Standardization (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country. https://www.iso20022.org/standardsrepository/type/ISINIdentifier
paymentCurrency	Varcha2	Currency in which a security's payment is performed. https://www.iso20022.org/standardsrepository/type/FinancialInstrumentAttributes1
currency	Varchar2	Full name of the currency in which the cash flows of the instrument are denominated.
cfIdentifier	Varchar2	Classification type of the financial instrument, as per the ISO 10962 Classification of Financial Instrument (CFI) codification, for example, common share with voting rights, fully paid, or registered. https://www.iso20022.org/standardsrepository/type/CFIOct2015Identifier
maturityDate	yyyy/mm/dd	Planned date, at the time of issuance, on which an interest bearing financial instrument becomes due, and principal is repaid by the issuer to the investor. https://www.iso20022.org/standardsrepository/type/Security
nominalValue	number	Information on the securities quantity or bonds nominal amount. https://www.iso20022.org/standardsrepository/type/QuantityNominalValue1Choice
settlementLot	number	Indicates the tradable quantity of a security. The settlement amount must be a multiple of the settlement lot https://www.iso20022.org/standardsrepository/type/Security
expirationDate	yyyy/mm/dd	Date when the expiry of the undertaking takes effect. https://www.iso20022.org/standardsrepository/type/Expiry
mininumSettlementQuant	number	Indicates the minimum settlement quantity of a security. https://www.iso20022.org/standardsrepository/type/Security
issueDate	yyyy/mm/dd	Date/time at which the security was made available. https://www.iso20022.org/standardsrepository/type/Issuance
registrationDate	timestamp	Registration date in the system.
lastUpdateTime	timestamp	CSD
volumeType	Varchar2	The type of volume of the instrument. If 0, then UNITS if not "FACE AMOUNT" Choice between a unit in decimal number or a face amount in currency and amount. https://www.iso20022.org/standardsrepository/type/UnitOrFaceAmountChoice
issuedQuantity	number	It represents the instrument total issued amount. https://www.iso20022.org/standardsrepository/type/Issuance5
identActivationType	Decimal (13,0)	Internal identifier of the ActivationType table from the Nasdaq custody system.
openendedfund	Number	An indicator that specifies if the instrument is an open-end fund. (Open-Ended Fund). An open-end fund is known as a diversified portfolio of pooled investor funds with the ability to issue an infinite number of shares. https://groww.in/p/open-ended-funds
activationTypeName	Varchar2	Account activation status, based on the table identifier. 1='ACTIVE', 2='DEACTIVATED', 4='SUSPENDED', 5='INACTIVE'
issuerName	Varchar2	Name of the issuing entity associated with the instruments.
identIssuer	number	Identificador interno de la tabla ISSUER
issuerCode	Varchar2	Identifies the institution issuing a proprietary code. https://www.iso20022.org/standardsrepository/type/IssuerCode
issuerActivationTypeName	Varchar2	Account activation status, based on the table identifier. 1='ACTIVE', 2='DEACTIVATED', 4='SUSPENDED', 5='INACTIVE'

issuerCSDName	Varchar2	The name of the Central Securities Depository (CSD) for the issuing entity.
identIssuerCSD	decimal (13,0)	El nombre de la entidad encargada de la custodia central (CSD) de la entidad emisora.
issuerCSDCode	Varchar2	Code identifying the custodian entity of the instrument issuer.
registrarName	Varchar2	Name of the institution where financial instruments are registered. https://www.iso20022.org/standardsrepository/type/RegistrationParameters1
identInstrumentRegistrar	number	Unique internal identifier of the INSTRUMENTREGISTRAR table (Nasdaq). It refers to the location where the securities are held in custody.
registrarCode	Number	Code of the institution where financial instruments are registered. https://www.iso20022.org/standardsrepository/type/RegistrationParameters1
issuerAgentName	Varchar2	Name of the depositary agent.
identAssetClass	number	Unique internal identifier of the ASSETCLASS table
assetClassName	Varchar2	Classification type of the financial instrument, as per the CVSA NCSD codification, for example, ADR or CEDEAR.
instrumentRestricted	number	An indicator showing if the instrument is publicly visible or subject to restrictions. 0 if there are no restrictions.
issuerRestricted	number	An indicator showing if the issuing entity is subject to restrictions.
numberOfDecimals	number	The number of decimals used in values related to the instrument (e.g., price).
issuanceAccountOperator	Varchar2	The operator of the instrument issuance account.
elegibleForCollateral	number	An indicator showing if the instrument is eligible as collateral.
elegibleForLending	number	An indicator showing if the instrument is eligible for loans.
elegibleForPledge	number	An indicator showing if the instrument is eligible to be pledged as collateral.
legallyClaimed	number	An indicator showing if the instrument is claimed.
underlyingAssetHeldoutside	Varchar2	An indicator showing if the underlying asset is outside the registration system.
paymentStatus	Varchar2	The name of the payment status of the instrument.
responsibleParty	Varchar2	The entity responsible for the instrument.
responsiblePartyCuit	Varchar2	The tax identification number (CUIT - Clave Única de Identificación Tributaria) of the responsible entity.
globalProgram	Varchar2	An indicator showing if the instrument is part of a global program. Used for secured loans.
IdentHolder	decimal (13,0)	Internal identifier of the INVESTOR table in the Nasdaq custody system
instrumentType	Varchar2	The type of instrument (e.g., stock, bond, option, etc.)
markedToDeactivate	Varchar2	An indicator showing if the instrument is flagged for deactivation.
cvsaBranch	Varchar2	The branch of the Stock Exchange (if applicable) to which the instrument is associated.

/standard

El método instruments/standard muestra el listado de instrumentos estandarizados.

URLs:

Homologación:

<https://hs-api.byma.com.ar/custody-instruments/v1/standard.csv/?assetClassName=ACCIONES>

Producción:

<https://api.byma.com.ar/custody-instruments/v1/standard.csv/?assetClassName=ACCIONES>

Método HTTP

GET.

Ejemplo /standard

Consulta aplicando el parámetro assetClassName**EndPoint:** <https://hs-api.byma.com.ar/custody-instruments/v1/standard.csv/?assetClassName=ACCIONES>**Headers:**

'Authorization: Bearer {{access_token}}'

Request:

```
curl --location 'https://hs-api.byma.com.ar/custody-instruments/v1/standard.csv/?assetClassName=ACCIONES' \
--header 'Authorization: Bearer
eyJraWQiOiJwM1E0dEpVd0NQOG4zNiRdkhSV09GMHhzcINxOXpQTERIN3ptOHlySk9jliwiYWxnljoiUIMyNTYifQ.eyJ2ZXliOiEsI
mp0aSI6IkFULm5peHVlVUZkQ2UwYm1RWGNXTU03V1NXUnVDVkd45WnhTdnllbksyY3hLSTQiLCJpc3MiOiJodHRwczovL3RIY3Z
hbC1zYW5kYm94Lm9rdGFwcmV2aWV3LmNvbS9vYXV0aDIvYXVzZHNemE2MkIXVUwwQkwxZDciLCJhdWQiOiJ2b3J0ZXgtcHJ
lcHJvZC12cG4iLCJpYXQiOiE3MjM4MTA5NTQsImV4cCI6MTcyMzg5NzY2IjoiMG9hZW4xdGUzY0ttajJIUDYxZDciLCJz
Y3AiOiY3VzdG9keWluc3RydW1lbnRzLnJlYWQiXSwic3ViljoiMG9hZW4xdGUzY0ttajJIUDYxZDcifQ.H_DOITOS3K6j7bAW1az9m
88M9kC-Gnl3DOUuzvqDzs0V5q-SnuQWJO3H50zEKrbQ-vGWZIMEtR2H_YxoDn2pkrQlsjihkPMSy0-
gkO4dEAJLQy5u1jSLyupMjlnS6ewjYyOM3UNyxKH3w7zPdVUEOoDHhj7t9buo4ITO9-
p02TWfJGOgLxra_CCsZiXuXHnyRbVevD4Ju-IQTEKCewPgW-
rrqDoL7hYoDrGs9eQsHgwiwSOpSokqFZTIL7nfDa35sznnNdm2t4pu6xS39jvoMtKm_cTWcttjA--
E85zd_eilE5meCoklLgrVffuX0XcAZLCJ2nCHesHyR156uUCw'
```

Response:

```
{
  "message": "Response is not ready call later with uuid >> 334d60a0-bcc7-4c4b-8280-6ff65dc2bda3",
  "code": 409,
  "uuid": "334d60a0-bcc7-4c4b-8280-6ff65dc2bda3"
}
```

Consulta del UUID:**Request:**

```
curl --location 'https://hs-api.byma.com.ar/custody-instruments/v1/standard.csv/?assetClassName=ACCIONES' \
--header 'Authorization: Bearer
eyJraWQiOiJwM1E0dEpVd0NQOG4zNiRdkhSV09GMHhzcINxOXpQTERIN3ptOHlySk9jliwiYWxnljoiUIMyNTYifQ.eyJ2ZXliOiEsI
mp0aSI6IkFULm5peHVlVUZkQ2UwYm1RWGNXTU03V1NXUnVDVkd45WnhTdnllbksyY3hLSTQiLCJpc3MiOiJodHRwczovL3RIY3Z
hbC1zYW5kYm94Lm9rdGFwcmV2aWV3LmNvbS9vYXV0aDIvYXVzZHNemE2MkIXVUwwQkwxZDciLCJhdWQiOiJ2b3J0ZXgtcHJ
lcHJvZC12cG4iLCJpYXQiOiE3MjM4MTA5NTQsImV4cCI6MTcyMzg5NzY2IjoiMG9hZW4xdGUzY0ttajJIUDYxZDciLCJz
Y3AiOiY3VzdG9keWluc3RydW1lbnRzLnJlYWQiXSwic3ViljoiMG9hZW4xdGUzY0ttajJIUDYxZDcifQ.H_DOITOS3K6j7bAW1az9m
88M9kC-Gnl3DOUuzvqDzs0V5q-SnuQWJO3H50zEKrbQ-vGWZIMEtR2H_YxoDn2pkrQlsjihkPMSy0-
gkO4dEAJLQy5u1jSLyupMjlnS6ewjYyOM3UNyxKH3w7zPdVUEOoDHhj7t9buo4ITO9-
p02TWfJGOgLxra_CCsZiXuXHnyRbVevD4Ju-IQTEKCewPgW-
rrqDoL7hYoDrGs9eQsHgwiwSOpSokqFZTIL7nfDa35sznnNdm2t4pu6xS39jvoMtKm_cTWcttjA--
E85zd_eilE5meCoklLgrVffuX0XcAZLCJ2nCHesHyR156uUCw' \
--header 'X-UUID: 334d60a0-bcc7-4c4b-8280-6ff65dc2bda3'
```

Response:

```
identInstrument;cvsaIdentfier;instrumentLongName;isin;paymentCurrency;currency;cfIdentfier;maturityDate;nominalValue;settle
mentLot;minimumSettlementQuant;expirationDate;issueDate;registrationDate;lastUpdateTime;volumeType;issuedQuantity;identA
ctivationType;openendedFund;activationTypeName;issuerName;identIssuer;issuerCode;issuerActivationTypeName;issuerCsdName
;identIssuerCsd;issuerCsdCode;registrarName;identInstrumentRegistrar;registrarCode;issuerAgentName;identAssetClass;assetClas
sName;instrumentRestricted;issuerRestricted;numberOfDecimals;issuanceAccountOperator;eligibleForCollateral;eligibleForLending
;eligibleForPledge;legallyClaimed;underlyingAssetHeldOutside;paymentStatus;responsibleParty;responsiblePartyCuit;globalProgra
m;IdentHolder;instrumentType;markedToDeactivate;cvsaBranch
```

```
26769;109;BANCO MACRO S.A. A 5 V. ESCRIT;ARBANS010028;ARS;ARS;ESEXXR;;1;1;1;;1935-01-01 00:00:00.0;1935-01-01
00:00:00.0;2023-09-23 10:00:14.280173;Units;11235670;1;0;Active;BANCO MACRO S.A.;9075981;BSUD;Active;Caja de
valores;1;CVSA;CAJA DE VALORES S.A.;11;8888;;40132;ACCIONES;0;0;7;11;0;1;1;No;0;;;;REG;;
```

Consulta aplicando ambos parámetros**EndPoint:**

<https://hs-api.byma.com.ar/custody-instruments/v1/standard.csv/?assetClassName=ACCIONES&cvsaIdentifier=109>

Headers:

'Authorization: Bearer {{access_token}}'

Request:

```
curl --location 'https://hs-api.byma.com.ar/custody-instruments/v1/standard.csv/?assetClassName=ACCIONES&cvsaIdentifier=109' \
--header 'Authorization: Bearer eyJraWQiOiJwM1E0dEpVd0NQOG4zNlRdkhSV09GMHhzcINxOXpQTERIN3ptOHlySk9jliwiYWxnIjoiUIMyNTYifQ.eyJ2ZXliOiEsImp0aSI6IklFULm5peHVlVUZkQ2UwYm1RWGNXTU03V1NXUnVDVkd45WnhTdnllbksyY3hLSTQiLCJpc3MiOiJodHRwczovL3RIY3ZhbC1zYW5kYm94Lm9rdGFwcmV2aWV3LmNvbS9vYXV0aDIvYXVzZHNemE2MkIXVUwwQkwZDciLCJhdWQiOiJ2b3J0ZXgtcHJlcHJvZC12cG4iLCJpYXQiOiE3MjM4MTA5NTQsImV4cCI6MTcyMzg5NzZM1NCwiY2lkIjoiMG9hZW4xdGUzY0ttajJIUDYxZDciLCJzY3AiOiY3VzdG9keWluc3RydW1lbnRzLnJlYWQiXSwic3ViljoiMG9hZW4xdGUzY0ttajJIUDYxZDcifQ.H_DOITOS3K6j7bAW1az9m88M9kC-Gnl3DOUuzvqDzs0V5q-SnuQWJO3H50zEKrbQ-vGWZiMEtR2H_YxoDn2pkrQlsjihkPMSy0-gkO4dEAJLQy5u1jSLyupMjlbns6ewjYyOM3UNyxKH3w7zPdVUEOoDHhj7t9buo4ITO9-p02TWfJGOgLxra_CCsZiXuXHnyRbVevD4Ju-IQTEKcWpGw-rrqDoL7hYoDrGs9eQsdHgwibSOpSokqFZTIL7nfDa35sznnNdm2t4pu6xS39jvoMtKm_cTWcttjA--E85zd_eilE5meCoklLgrVffuX0XcAZLCJ2nCHesHyR156uUCw'
```

Response:

```
{
  "message": "Response is not ready call later with uuid >> d97a50a4-3bf1-4c82-9007-2eef0d8c344f",
  "code": 409,
  "uuid": "d97a50a4-3bf1-4c82-9007-2eef0d8c344f"
}
```

Consulta del UUID:

Request:

```
curl --location 'https://hs-api.byma.com.ar/custody-instruments/v1/standard.csv/?assetClassName=ACCIONES&cvsaIdentifier=109' \
--header 'Authorization: Bearer eyJraWQiOiJwM1E0dEpVd0NQOG4zNlRdkhSV09GMHhzcINxOXpQTERIN3ptOHlySk9jliwiYWxnIjoiUIMyNTYifQ.eyJ2ZXliOiEsImp0aSI6IklFULm5peHVlVUZkQ2UwYm1RWGNXTU03V1NXUnVDVkd45WnhTdnllbksyY3hLSTQiLCJpc3MiOiJodHRwczovL3RIY3ZhbC1zYW5kYm94Lm9rdGFwcmV2aWV3LmNvbS9vYXV0aDIvYXVzZHNemE2MkIXVUwwQkwZDciLCJhdWQiOiJ2b3J0ZXgtcHJlcHJvZC12cG4iLCJpYXQiOiE3MjM4MTA5NTQsImV4cCI6MTcyMzg5NzZM1NCwiY2lkIjoiMG9hZW4xdGUzY0ttajJIUDYxZDciLCJzY3AiOiY3VzdG9keWluc3RydW1lbnRzLnJlYWQiXSwic3ViljoiMG9hZW4xdGUzY0ttajJIUDYxZDcifQ.H_DOITOS3K6j7bAW1az9m88M9kC-Gnl3DOUuzvqDzs0V5q-SnuQWJO3H50zEKrbQ-vGWZiMEtR2H_YxoDn2pkrQlsjihkPMSy0-gkO4dEAJLQy5u1jSLyupMjlbns6ewjYyOM3UNyxKH3w7zPdVUEOoDHhj7t9buo4ITO9-p02TWfJGOgLxra_CCsZiXuXHnyRbVevD4Ju-IQTEKcWpGw-rrqDoL7hYoDrGs9eQsdHgwibSOpSokqFZTIL7nfDa35sznnNdm2t4pu6xS39jvoMtKm_cTWcttjA--E85zd_eilE5meCoklLgrVffuX0XcAZLCJ2nCHesHyR156uUCw' \
--header 'X-UUID: d97a50a4-3bf1-4c82-9007-2eef0d8c344f'
```

Response:

identInstrument;cvsaIdentifier;instrumentLongName;isin;paymentCurrency;currency;cfIdentifier;maturityDate;nominalValue;settle
mentLot;minimumSettlementQuant;expirationDate;issueDate;registrationDate;lastUpdateTime;volumeType;issuedQuantity;identA
ctivationType;openendedFund;activationTypeName;issuerName;identIssuer;issuerCode;issuerActivationTypeName;issuerCsdName
;identIssuerCsd;issuerCsdCode;registrarName;identInstrumentRegistrar;registrarCode;issuerAgentName;identAssetClass;assetClas
sName;instrumentRestricted;issuerRestricted;numberOfDecimals;issuanceAccountOperator;eligibleForCollateral;eligibleForLending
;eligibleForPledge;legallyClaimed;underlyingAssetHeldOutside;paymentStatus;responsibleParty;responsiblePartyCuit;globalProgra
m;IdentHolder;instrumentType;markedToDeactivate;cvsaBranch

26769;109;BANCO MACRO S.A. A 5 V. ESCRIT;ARBANS010028;ARS;ARS;ESEXXR;;1;1;1;;1935-01-01 00:00:00.0;1935-01-01
00:00:00.0;2023-09-23 10:00:14.280173;Units;11235670;1;0;Active;BANCO MACRO S.A.;9075981;BSUD;Active;Caja de
valores;1;CVSA;CAJA DE VALORES S.A.;11;8888;;40132;ACCIONES;0;0;7;11;0;1;1;No;0;;;;REG;;

Diccionario de Datos

Columnas	Tipo de Dato	Descripción
participantCode	string	Identifier issued to a party assigned by the CVSA generating identification scheme for participants.
cvsalIdentifier	string	Identifier of a security assigned by the CVSA generating identification scheme for financial instruments. An alphanumeric code of 1 to 5 characters is assigned for securities while for non-standard instruments their own identifier is maintained. https://www.iso20022.org/standardsrepository/type/SecuritiesIdentification
instrumentLongName	Varchar2	Name of the security. https://www.iso20022.org/standardsrepository/type/FinancialInstrumentName1
identInstrument	Decimal (13,0)	Internal identifier of the INSTRUMENT table from the Nasdaq custody system.
Isin	Varchar2	International Securities Identification Number (ISIN). A numbering system designed by the United Nation's International Organization for Standardization (ISO). The ISIN is composed of a 2-character prefix representing the country of issue, followed by the national security number (if one exists), and a check digit. Each country has a national numbering agency that assigns ISIN numbers for securities in that country. https://www.iso20022.org/standardsrepository/type/ISINIdentifier
paymentCurrency	Varcha2	Currency in which a security's payment is performed. https://www.iso20022.org/standardsrepository/type/FinancialInstrumentAttributes1
currency	Varchar2	Full name of the currency in which the cash flows of the instrument are denominated.
cfIdentifier	Varchar2	Classification type of the financial instrument, as per the ISO 10962 Classification of Financial Instrument (CFI) codification, for example, common share with voting rights, fully paid, or registered. https://www.iso20022.org/standardsrepository/type/CFIOct2015Identifier
maturityDate	yyyy/mm/dd	Planned date, at the time of issuance, on which an interest-bearing financial instrument becomes due, and principal is repaid by the issuer to the investor. https://www.iso20022.org/standardsrepository/type/Security
nominalValue	number	Information on the securities quantity or bonds nominal amount. https://www.iso20022.org/standardsrepository/type/QuantityNominalValue1Choice
settlementLot	number	Indicates the tradable quantity of a security. The settlement amount must be a multiple of the settlement lot https://www.iso20022.org/standardsrepository/type/Security
expirationDate	yyyy/mm/dd	Date when the expiry of the undertaking takes effect. https://www.iso20022.org/standardsrepository/type/Expiry
mininumSettlementQuant	number	Indicates the minimum settlement quantity of a security. https://www.iso20022.org/standardsrepository/type/Security
issueDate	yyyy/mm/dd	Date/time at which the security was made available. https://www.iso20022.org/standardsrepository/type/Issuance
registrationDate	timestamp	Registration date in the system.
lastUpdateTime	timestamp	CSD
volumeType	Varchar2	The type of volume of the instrument. If 0, then UNITS if not "FACE AMOUNT" Choice between a unit in decimal number or a face amount in currency and amount. https://www.iso20022.org/standardsrepository/type/UnitOrFaceAmountChoice
issuedQuantity	number	It represents the instrument total issued amount. https://www.iso20022.org/standardsrepository/type/Issuance5
identActivationType	Decimal (13,0)	Internal identifier of the ActivationType table from the Nasdaq custody system.
openendedfund	Number	An indicator that specifies if the instrument is an open-end fund. (Open-Ended Fund). An open-end fund is known as a diversified portfolio of pooled investor funds with the ability to issue an infinite number of shares. https://groww.in/p/open-ended-funds
activationTypeName	Varchar2	Account activation status, based on the table identifier. 1='ACTIVE', 2='DEACTIVATED', 4='SUSPENDED', 5='INACTIVE'
issuerName	Varchar2	Name of the issuing entity associated with the instruments.

identIssuer	number	Identificador interno de la tabla ISSUER
issuerCode	Varchar2	Identifies the institution issuing a proprietary code. https://www.iso20022.org/standardsrepository/type/IssuerCode
issuerActivationTypeName	Varchar2	Account activation status, based on the table identifier. 1='ACTIVE', 2='DEACTIVATED', 4='SUSPENDED', 5='INACTIVE'
issuerCSDName	Varchar2	The name of the Central Securities Depository (CSD) for the issuing entity.
identIssuerCSD	decimal (13,0)	El nombre de la entidad encargada de la custodia central (CSD) de la entidad emisora.
issuerCSDCode	Varchar2	Code identifying the custodian entity of the instrument issuer.
registrarName	Varchar2	Name of the institution where financial instruments are registered. https://www.iso20022.org/standardsrepository/type/RegistrationParameters1
identInstrumentRegistrar	number	Unique internal identifier of the INSTRUMENTREGISTRAR table (Nasdaq). It refers to the location where the securities are held in custody.
registrarCode	Number	Code of the institution where financial instruments are registered. https://www.iso20022.org/standardsrepository/type/RegistrationParameters1
issuerAgentName	Varchar2	Name of the depository agent.
identAssetClass	number	Unique internal identifier of the ASSETCLASS table
assetClassName	Varchar2	Classification type of the financial instrument, as per the CVSA NCSD codification, for example, ADR or CEDEAR.
instrumentRestricted	number	An indicator showing if the instrument is publicly visible or subject to restrictions. 0 if there are no restrictions.
issuerRestricted	number	An indicator showing if the issuing entity is subject to restrictions.
numberOfDecimals	number	The number of decimals used in values related to the instrument (e.g., price).
issuanceAccountOperator	Varchar2	The operator of the instrument issuance account.
elegibleForCollateral	number	An indicator showing if the instrument is eligible as collateral.
elegibleForLending	number	An indicator showing if the instrument is eligible for loans.
elegibleForPledge	number	An indicator showing if the instrument is eligible to be pledged as collateral.
legallyClaimed	number	An indicator showing if the instrument is claimed.
underlyingAssetHeldoutside	Varchar2	An indicator showing if the underlying asset is outside the registration system.
paymentStatus	Varchar2	The name of the payment status of the instrument.
responsibleParty	Varchar2	The entity responsible for the instrument.
responsiblePartyCuit	Varchar2	The tax identification number (CUIT - Clave Única de Identificación Tributaria) of the responsible entity.
globalProgram	Varchar2	An indicator showing if the instrument is part of a global program. Used for secured loans.
IdentHolder	decimal (13,0)	Internal identifier of the INVESTOR table in the Nasdaq custody system
instrumentType	Varchar2	The type of instrument (e.g., stock, bond, option, etc.)
markedToDeactivate	Varchar2	An indicator showing if the instrument is flagged for deactivation.
cvsaBranch	Varchar2	The branch of the Stock Exchange (if applicable) to which the instrument is associated.



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