Date :  20-10-2023

currency conversion API (1.0.0)

# Overview

The Currency Conversion API allows you to convert pairs of currencies. Choose from over 100 different currencies.

# Getting Started

## Prerequisites

* Volt Foundry
* Account and api key from API Ninjas.
* Sign up in [Convert Currency API - API Ninjas (api-ninjas.com)](https://api-ninjas.com/api/convertcurrency) and login into the account and get the api key.
* Note: Provide this Api-Key in header part.

## Importing the adapter

 **To import the Data Adapter to Volt Foundry, do the following:**

1. Sign in to the  [HCL Foundry](https://manage.hclvoltmx.com/).
2. From the left navigation menu, select **API Management**.
3. In **API Management**, select **Custom Data Adapters**.

4. Click **IMPORT** to import a custom data adapter.

5. On the Import Data Adapter dialog box, click browser to import.

6. Select Currency Conversion API file and click **IMPORT**.

After you import the data adapter, Volt Foundry opens a window that shows the metadata of the data adapter.



After you import the data adapter, you can view it on the Custom Data Adapters page and use it to create services on Volt Foundry.



## Creating an Integration service

After you import the data adapter into Volt Foundry, you can use it to create an Integration Service.

Follow the given steps to create an Integration service using the Currency Conversion API Adapter.

1. Sign in to the [HCL Foundry](https://manage.hclvoltmx.com/).
2. From the left navigation menu, select **API Management**.
3. In **API Management**, select **Integration**.

4. To create a new service, click the **+** button or the **CONFIGURE NEW** button.

5. On the Service Definition tab, select the service type as Currency Conversion API, and click **SAVE**.



Alternatively, you can also create a Foundry app and create an Integration service inside it.

E. Creating and Executing operations

After you create an integration service, you can create and execute operations using the service.

#### Creating an Operation

* In **API Management/Foundry app you created**, in the **Integration** section, select the service that you created.
* After you select the service, navigate to the **Operation List** tab.

* From the drop down list, select an operation that you want to execute, and click **ADD OPERATION**.



#### Executing an Operation

* From the **Operations List** tab, in the **Configured Operations** section, select the operation you want to execute.



* On the Operation Page, in the Request Input tab, enter a TEST VALUE for all the fields.





* Select a run-time environment and click **Save and Fetch Response** to get a response based on your inputs.



## Publishing your application

If you want to use the services in client applications, you need to publish an app to a run-time environment. You can create the service (as described above) in an application or import the service into an application and publish the application.

# References

## Endpoint Documentation

### HTTP GET

Converts a existing currency and amount into a new currency.

## <https://api.api-ninjas.com/v1/convertcurrency?want=EUR&have=USD&amount=5000>

## **URL Parameters:**

| **Parameter** | **Required** | **Description** |
| --- | --- | --- |
| have | required | Currency you currently hold (3-character currency code, e.g., USD). |
| want | required | Currency you want to convert to (3-character currency code, e.g., USD). |
| amount | required | Amount of currency to convert. |

**Headers:**

| **Header** | **Required** | **Description** |
| --- | --- | --- |
| X-Api-Key | required | API Key for authentication. |

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## These are List of all endpoints, input params and description/restriction of the fields in tabular format.

## Data for this will most likely be available in the original API documentation

## All Supported currencies

| **Currency Symbol** | **Currency Name** | **Currency Symbol** | **Currency Name** |
| --- | --- | --- | --- |
| AED | UAE Dirham | AFN | Afghan Afghani |
| ALL | Albanian Lek | AMD | Armenian Dram |
| ANG | Netherlands Antillean Gulden | AOA | Angolan Kwanza |
| ARS | Argentine Peso | AUD | Australian Dollar |
| AWG | Aruban Florin | AZN | Azerbaijani Manat |
| BAM | Bosnia And Herzegovina Konvertibilna Marka | BBD | Barbadian Dollar |
| BDT | Bangladeshi Taka | BGN | Bulgarian Lev |
| BHD | Bahraini Dinar | BIF | Burundi Franc |
| BMD | Bermudan Dollar | BND | Brunei Dollar |
| BOB | Bolivian Boliviano | BRL | Brazilian Real |
| BSD | Bahamian Dollar | BTC | Bitcoin |
| BTN | Bhutanese Ngultrum | BWP | Botswana Pula |
| BYN | New Belarusian Ruble | BYR | Belarusian Ruble |
| BZD | Belize Dollar | CAD | Canadian Dollar |
| CDF | Congolese Franc | CHF | Swiss Franc |
| CLF | Chilean Unit Of Account | CLP | Chilean Peso |
| CNY | Chinese Yuan | COP | Colombian Peso |
| CRC | Costa Rican Colon | CUC | Cuban Convertible Peso |
| CUP | Cuban Peso | CVE | Cape Verdean Escudo |
| CZK | Czech Koruna | DJF | Djiboutian Franc |
| DKK | Danish Krone | DOP | Dominican Peso |
| DZD | Algerian Dinar | EGP | Egyptian Pound |
| ERN | Eritrean Nakfa | ETB | Ethiopian Birr |
| EUR | Euro | FJD | Fijian Dollar |
| FKP | Falkland Islands Pound | GBP | British Pound |
| GEL | Georgian Lari | GGP | Guernsey Pound |
| GHS | Ghanaian Cedi | GIP | Gibraltar Pound |
| GMD | Gambian Dalasi | GNF | Guinean Franc |
| GTQ | Guatemalan Quetzal | GYD | Guyanese Dollar |
| HKD | Hong Kong Dollar | HNL | Honduran Lempira |
| HRK | Croatian Kuna | HTG | Haitian Gourde |
| HUF | Hungarian Forint | IDR | Indonesian Rupiah |
| ILS | Israeli New Sheqel | IMP | Manx pound |
| INR | Indian Rupee | IQD | Iraqi Dinar |
| IRR | Iranian Rial | ISK | Icelandic Króna |
| JEP | Jersey Pound | JMD | Jamaican Dollar |
| JOD | Jordanian Dinar | JPY | Japanese Yen |
| KES | Kenyan Shilling | KGS | Kyrgyzstani Som |
| KHR | Cambodian Riel | KMF | Comorian Franc |
| KPW | North Korean Won | KRW | South Korean Won |
| KWD | Kuwaiti Dinar | KYD | Cayman Islands Dollar |
| KZT | Kazakhstani Tenge | LAK | Lao Kip |
| LBP | Lebanese Lira | LKR | Sri Lankan Rupee |
| LRD | Liberian Dollar | LSL | Lesotho Loti |
| LVL | Latvian Lats | LYD | Libyan Dinar |
| MAD | Moroccan Dirham | MDL | Moldovan Leu |
| MGA | Malagasy Ariary | MKD | Macedonian Denar |
| MMK | Myanma Kyat | MNT | Mongolian Tugrik |
| MOP | Macanese Pataca | MRO | Mauritanian Ouguiya |
| MUR | Mauritian Rupee | MVR | Maldivian Rufiyaa |
| MWK | Malawian Kwacha | MXN | Mexican Peso |
| MYR | Malaysian Ringgit | MZN | Mozambican Metical |
| NAD | Namibian Dollar | NGN | Nigerian Naira |
| NIO | Nicaraguan Cordoba | NOK | Norwegian Krone |
| NPR | Nepalese Rupee | NZD | New Zealand Dollar |
| OMR | Omani Rial | PAB | Panamanian Balboa |
| PEN | Peruvian Nuevo Sol | PGK | Papua New Guinean Kina |
| PHP | Philippine Peso | PKR | Pakistani Rupee |
| PLN | Polish Zloty | PYG | Paraguayan Guarani |
| QAR | Qatari Riyal | RON | Romanian Leu |
| RSD | Serbian Dinar | RUB | Russian Ruble |
| RWF | Rwandan Franc | SAR | Saudi Riyal |
| SBD | Solomon Islands Dollar | SCR | Seychellois Rupee |
| SDG | Sudanese Pound | SEK | Swedish Krona |
| SGD | Singapore Dollar | SHP | Saint Helena Pound |
| SLL | Sierra Leonean Leone | SOS | Somali Shilling |
| SRD | Surinamese Dollar | STD | Sao Tome And Principe Dobra |
| SVC | Salvadoran Colón | SYP | Syrian Pound |
| SZL | Swazi Lilangeni | THB | Thai Baht |
| TJS | Tajikistani Somoni | TMT | Turkmenistan Manat |
| TND | Tunisian Dinar | TOP | Paanga |
| TRY | Turkish New Lira | TTD | Trinidad and Tobago Dollar |
| TWD | New Taiwan Dollar | TZS | Tanzanian Shilling |
| UAH | Ukrainian Hryvnia | UGX | Ugandan Shilling |
| USD | United States Dollar | UYU | Uruguayan Peso |
| UZS | Uzbekistani Som | VEF | Venezuelan Bolivar |
| VND | Vietnamese Dong | VUV | Vanuatu Vatu |
| WST | Samoan Tala | XAF | Central African CFA Franc |
| XAG | Silver (troy ounce) | XCD | East Caribbean Dollar |
| XDR | Special Drawing Rights | XOF | West African CFA Franc |
| XPF | CFP Franc | YER | Yemeni Rial |
| ZAR | South African Rand | ZMK | Old Zambian Kwacha |
| ZMW | Zambian Kwacha | ZWL | Zimbabwean Dollar |

# Revision History

Adapter version 1.0.0:

## Known Issues

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## Limitations

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