

Cryptonite Documentation

Flask RestFul backend

Security:

- JWT tokenization with app secret key encoding. On production we would like to have the public id of each individual registered, on use we will decode the token and obtain the public id so that we can make sure they are registered user and can track usage/ rate limiting.

API configuration

Endpoints:

1. GET <http://52.65.99.64/api/v1/entitytypes>

Explanation: these are the valid entities you can pass into the /api/v1/cgt

Response:

```
[  
  "company",  
  "SMSF",  
  "trust",  
  "fund",  
  "individual"  
]
```

2. POST <http://52.65.99.64/api/v1/cgt>

Explanation: calculating cgt tax on crypto for the financial years

Configuration:

Headers:

- Content-type: application/json
- x-access- token: <JWT token>

Body (two parameters, "entityType", "data"):

[see next page for an example of data]

```
{      "entityType":"individual",
      "data":{
        "AvgPrice": 436,
        "CreatedTimestampUtc": "2015-03-27T12:29:25.771Z",
        "FeePercent": 0.005,
        "OrderGuid": "5c8885cd-5384-4e05-b397-9f5119353e10",
        "OrderType": "MarketBid",
        "Outstanding": 0,
        "Price": "null",
        "PrimaryCurrencyCode": "Eth",
        "SecondaryCurrencyCode": "Aud",
        "Status": "Filled",
        "Value": 17.47,
        "Volume": 36
      },
      {
        "AvgPrice": 598.0403164178242,
        "CreatedTimestampUtc": "2011-04-27T12:29:25.771Z",
        "FeePercent": 0.005,
        "OrderGuid": "5c8885cd-5384-4e05-b397-9f5119353e10",
        "OrderType": "MarketOffer",
        "Outstanding": 0,
        "Price": "null",
        "PrimaryCurrencyCode": "Eth",
        "SecondaryCurrencyCode": "Aud",
        "Status": "Filled",
        "Value": 17.47,
        "Volume": 36
      }
    ]
  }
```

```
}
```

Response:

```
{
  "taxYear": {
    "2011": {
      "cgtGainsDiscount": {
        "subTotal": 0,
        "cgtEvents": []
      },
      "IncomeTaxOrLoss": 5833.451391041672,
      "cgtGainsNoDiscount": {
        "subTotal": 5833.451391041672,
        "cgtEvents": [
          {
            "OfferAvgPrice": 598.0403164178242,
            "Volume": 36,
            "AvgPrice": 436,
            "FeePercent": 0.005,
            "PrimaryCurrencyCode": "Eth",
            "gainOrLoss": 5833.451391041672,
            "CreatedTimestampUtc": "2015-03-27T12:29:25.771000+00:00",
            "DisposalTimestampUtc": "2011-04-27T12:29:25.771000+00:00",
            "SecondaryCurrencyCode": "Aud",
            "OfferSecondaryCurrencyCode": "Aud"
          }
        ]
      }
    }
  }
}
```