

A.R.I.A. API Integration

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Risk Rating

Get List of Global Alphabetical Risk Ratings By Ticker

DESCRIPTION

Returns the global ARIA risk rating of a given crypto asset at a given date. Note the ARIA Rating updates daily at 15H UTC.

URL

<https://aria-crypto.com/api/v3/rating/alphabetical>

METHOD

GET

AUTHORIZATION

You must set `X-API-Key` in the header of the request. API key is provided by ARIA Technical Team.

```
headers: {
  'X-API-Key': 'YOUR_API_KEY'
}
```

PARAMETERS

```
https://aria-crypto.com/api/v3/rating/alphabetical?
  ticker=ETC
  &startDate=2024-09-01
  &endDate=2024-09-01
```

Parameter	Description
<code>ticker</code>	the <code>string</code> representing the ticker of the crypto asset queried
<code>startDate</code>	<p>the <code>string</code> representing the date to start searching for ratings</p> <p><i>Info: startDate cannot be set prior to 2024-09-01</i></p> <p>Note: all dates are in UTC</p>

Parameter	Description
endDate	the <code>string</code> representing the date to stop searching for ratings Note: all dates are in UTC
limit	Optional <code>integer</code> specifying the number of results to return. [1 ... 50] Default set to 50.

RETURNS

```
{
  error: string | null;
  data: RatingAlphabetical[] | null
}
```

TYPES

```
interface RatingAlphabetical {
  ticker: string;
  alphabetical_grade: TickerRateType;
  date: Date;
}

enum TickerRateType {
  AAA = 'AAA',
  AA = 'AA',
  A = 'A',
  BBB = 'BBB',
  BB = 'BB',
  B = 'B',
  S = 'S',
  SS = 'SS',
  J = 'J'
}
```

EXAMPLE

GET <https://aria-crypto.com/api/v3/rating/alphabetical?ticker=ETC&startDate=2024-09-01&endDate=2024-09-02>

```
headers : {
  'X-API-Key': 'YOUR_API_KEY'
}
```

```
{
  "error": null,
  "data": [
    {
      "ticker": "ETC",
      "alphabetical_grade": "AA",
      "date": "2024-09-02T00:00:00.000Z"
    },
    {
      "ticker": "ETC",
      "alphabetical_grade": "AA",
      "date": "2024-09-01T00:00:00.000Z"
    }
  ]
}
```

Get List of ARIA Risk Ratings By Ticker

DESCRIPTION

Returns the ARIA risk ratings of a given crypto asset or date. Note the ARIA Rating updates daily at 15H UTC.

URL

<https://aria-crypto.com/api/v3/rating/intermediate>

METHOD

GET

AUTHORIZATION

You must set `X-API-Key` in the header of the request. API key is provided by ARIA Technical Team.

```
headers: {
  'X-API-Key': 'YOUR_API_KEY'
}
```

PARAMETERS

```
https://aria-crypto.com/api/v3/rating/intermediate?
  ticker=ETC
  &startDate=2024-09-01
  &endDate=2024-09-01
```

Parameter	Description
ticker	the <code>string</code> representing the ticker of the crypto asset queried
startDate	the <code>string</code> representing the date to start searching for ratings <i>Info: startDate cannot be set prior to 2024-09-01</i> Note: all dates are in UTC
endDate	the <code>string</code> representing the date to stop searching for ratings Note: all dates are in UTC
limit	Optional <code>integer</code> specifying the number of results to return. [1 ... 50] Default set to 50.

RETURNS

```
{
  error: string | null;
  data: RatingIntermediate[] | null
}
```

TYPES

```
{
  "error": null,
  "data": [
    {
      "ticker": "ETC",
      "tokenomics_score": "A",
      "risk_score": "AAA",
      "adoption_score": "BB",
      "governance_score": "AA",
      "performance_score": "AA",
      "aria_final_grade": "65.47849012341304",
      "alphabetical_grade": "AA",
      "date": "2024-09-01T00:00:00.000Z"
    }
  ]
}
```

EXAMPLE

GET <https://aria-crypto.com/api/v3/rating/intermediate?ticker=ETC&startDate=2024-09-01&endDate=2024-09-01>

```
headers : {
  'X-API-Key': 'YOUR_API_KEY'
}
```

```
interface RatingIntermediate {
    ticker: string;
    tokenomics_score: TickerRateType;
    risk_score: TickerRateType;
    adoption_score: TickerRateType;
    governance_score: TickerRateType;
    performance_score: TickerRateType;
    alphabetical_grade: TickerRateType;
    date: Date;
}

enum TickerRateType {
    AAA = 'AAA',
    AA = 'AA',
    A = 'A',
    BBB = 'BBB',
    BB = 'BB',
    B = 'B',
    S = 'S',
    SS = 'SS',
    J = 'J'
}
```

Indexes

Get Composition of Crypto AAA Index

Restricted

DESCRIPTION

Returns the composition and weights of the Crypto AAA index.

URL

<https://aria-crypto.com/api/v3/indexes/aaa>

METHOD

GET

AUTHORIZATION

You must set `X-API-Key` in the header of the request. API key is provided by ARIA Technical Team.

```
headers: {
  'X-API-Key': 'YOUR_API_KEY'
}
```

PARAMETERS

```
https://aria-crypto.com/api/v3/indexes/aaa?
  ticker=ETC
  &date=2024-03-18
```

Parameter	Description
ticker	the <code>string</code> representing the ticker of the crypto asset queried
date	the <code>string</code> representing the date to search for Note: all dates are in UTC

RETURNS


```
interface IndexResponse{
    error: string | null;
    data: IndexRow[] | null
}
```

TYPES

```
interface IndexRow {
    ticker: string;
    weights: number;
    date: Date;
}
```

EXAMPLE

GET <https://aria-crypto.com/api/v3/indexes/aaa?date=2024-03-18>

```
headers : {
    'X-API-Key': 'YOUR_API_KEY'
}
```

```
{
  "error": null,
  "data": [
    {
      "ticker": "BTC",
      "weights": 30.4761314997663,
      "date": "2024-03-18T00:00:00.000Z"
    },
    {
      "ticker": "ETH",
      "weights": 20.01349803233452,
      "date": "2024-03-18T00:00:00.000Z"
    },
    {
      "ticker": "CR0",
      "weights": 16.72647202728961,
      "date": "2024-03-18T00:00:00.000Z"
    },
    {
      "ticker": "AVAX",
      "weights": 16.61052499024884,
      "date": "2024-03-18T00:00:00.000Z"
    },
    {
      "ticker": "MKR",
      "weights": 16.17337345036075,
      "date": "2024-03-18T00:00:00.000Z"
    }
  ]
}
```

News

Get Live Market News

DESCRIPTION

Retrieves the latest market news from 00:00 UTC today to now.

URL

<https://aria-crypto.com/api/v3/news/live>

METHOD

GET

AUTHORIZATION

You must set `X-API-Key` in the header of the request. API key is provided by ARIA Technical Team.

```
headers: {
  'X-API-Key': 'YOUR_API_KEY'
}
```

PARAMETERS

```
https://aria-crypto.com/api/v3/news/live?
category=hot_news
&cryptos=BTC,SOL,XRP
```

Parameter	Description
category	<p>Option to filter on <code>string</code> only.</p> <p>Note: Hot news are news that ARIA's algorithm has flagged as statistically likely to have an impact on the market.</p>
cryptos	<p>Optional <code>list</code> of cryptocurrency tickers to filter news on. e.g. <code>BTC, SOL, XRP</code></p> <p>Note: the news returned but his filter will have a relation to ALL of them jointly.</p>

RETURNS

```
interface NewsResponse{
  error: string | null;
  data: INews[] | null
}
```

TYPES

```
interface INews {
  title: string;
  summary: string;
  full_text: string;
  date: Date | string;
  source: string;
  is_hot: boolean;
  related_cryptos: string[];
}
```

EXAMPLE

GET https://aria-crypto.com/api/v3/news/live?cryptos=BTC,SOL,XRP&category=hot_news

```
headers : {
  'X-API-Key': 'YOUR_API_KEY'
}
```

```
{
  "error": null,
  "data": [
    {
      "title": "Ripple CEO Criticizes SEC's "Haphazard"
        Approach to Crypto Regulation",
      "summary": "Ripple CEO Brad Garlinghouse called
        Gary Gensler SEC
        hypocrite. \nGarlinghouse accused the SEC
        of haphazardly regulating crypto space.
        \nThe SEC intends to amend its motion
        claiming that multiple altcoins are
        securities.\n\nThe United States
        Securities and Exchange Commission faces
        accusations of hypocrisy and haphazard
        regulation of digital assets under Chair
        Gary Gensler, particularly in its
        inconsistent classification of altcoins
        as securities.\nCritics argue this
        approach fosters confusion [...]",
      "full_text": "",
      "date": "2024-07-31T09:03:40.000Z",
      "source": "coinedition.com",
      "is_hot": true,
      "related_cryptos":
        [
          "AXS", "ATOM", "MATIC", "SOL", "ALGO",
          "FIL", "MANA", "XRP", "BTC", "ADA",
          "SAND"
        ]
    },
    /* ... */
  ]
}
```

Get Historical Market News

DESCRIPTION

Retrieves historical news up to today at 00:00 UTC.

Note that data is available from September 2023 (i.e. 2023-09-01).

URL

<https://aria-crypto.com/api/v3/news/historical>

METHOD

GET

AUTHORIZATION

You must set `X-API-Key` in the header of the request. API key is provided by ARIA Technical Team.

```
headers: {
  'X-API-Key': 'YOUR_API_KEY'
}
```

PARAMETERS

```
https://aria-crypto.com/api/v3/news/historical
category=hot_news
&startDate=2023-07-29
&endDate=2024-07-31
&cryptos=BTC,SOL,XRP
```

Parameter	Description
category	Option to filter on <code>string</code> only. Note: Hot news are news that ARIA's algorithm has flagged as statistically likely to have an impact on the market.
startDate	the <code>string</code> representing the date to start searching for news <i>Info: startDate cannot be set prior to 2023-09-01</i> Note: all dates are in UTC.
endDate	the <code>string</code> representing the date to stop searching for ratings Note: all dates are in UTC

Parameter	Description
cryptos	Optional list of cryptocurrency tickers to filter news on. e.g. BTC, SOL, XRP Note: the news returned but his filter will have a relation to ALL of them jointly.
limit	Optional integer specifying the number of results to return. [1 ... 100] Default set to 50.

Note that if no parameter(s) are passed to the query then all news are returned starting September 2022 to the specified or default limit.

RETURNS

```
interface NewsResponse{
    error: string | null;
    data: INews[] | null
}
```

TYPES

```
interface INews {
    title: string;
    summary: string;
    full_text: string;
    date: Date | string;
    source: string;
    is_hot: boolean;
    related_cryptos: string[];
}
```

EXAMPLE

GET https://aria-crypto.com/api/v3/news/historical?startDate=2024-07-29&endDate=2024-07-31&cryptos=BTC,SOL&category=hot_news

```
headers : {
    'X-API-Key': 'YOUR_API_KEY'
}
```

```
{
  "error": null,
  "data": [
    {
      "title": "Ripple CEO Criticizes SEC's "Haphazard"
        Approach to Crypto Regulation",
      "summary": "Ripple CEO Brad Garlinghouse called
        Gary Gensler SEC
        hypocrite. \nGarlinghouse accused the SEC
        of haphazardly regulating crypto space.
        \nThe SEC intends to amend its motion
        claiming that multiple altcoins are
        securities.\n\nThe United States
        Securities and Exchange Commission faces
        accusations of hypocrisy and haphazard
        regulation of digital assets under Chair
        Gary Gensler, particularly in its
        inconsistent classification of altcoins
        as securities.\nCritics argue this
        approach fosters confusion [...]",
      "full_text": "",
      "date": "2024-07-31T09:03:40.000Z",
      "source": "coinedition.com",
      "is_hot": true,
      "related_cryptos":
        [
          "AXS", "ATOM", "MATIC", "SOL", "ALGO",
          "FIL", "MANA", "XRP", "BTC", "ADA",
          "SAND"
        ]
    },
    /* ... */
  ]
}
```


Performance Statistics

Get Performance Statistics By Date

DESCRIPTION

Retrieve all ARIA-calculated performance statistics for a list of tokens for a particular date.

Note that the data starts from November 2023.

URL

<https://aria-ratings.com/api/v3/stats>

METHOD

GET

AUTHORIZATION

You must set `X-API-Key` in the header of the request. API key is provided by ARIA Technical Team.

```
headers: {
  'X-API-Key': 'YOUR_API_KEY'
}
```

PARAMETERS

```
https://aria-crypto.com/api/v3/stats?
  ticker=BTC
  &date=2025-05-01
```

Parameter	Description
ticker	the <code>string</code> representing the ticker of the crypto asset queried.
date	the <code>string</code> representing the date to search for <i>Info: startDate cannot be set prior to 2023-11-01</i> Note: all dates are in UTC.

Parameter	Description
limit	Optional integer specifying the number of results to return. [1 ... 50] Default set to 50.

RETURNS

```
{
  error: string | null;
  data: INews[] | null
}
```

TYPES

```
interface RatingStats {
  ticker: string;
  annualized_volatility: number | null;
  max_drawdown: number | null;
  sortino_ratio: number | null;
  beta_global: number | null;
  hit_ratio: number | null;
  date: string; // format: YYYY-MM-DD
}
```

EXAMPLE

GET <https://aria-ratings.com/api/v3/stats?date=2025-05-01>

```
headers : {
  'X-API-Key': 'YOUR_API_KEY'
}
```

```
{
  "error": null,
  "data": [
    {
      "ticker": "1INCH",
      "annualized_volatility": 1.134902747558281,
      "max_drawdown": 0.9793961730027106,
      "sortino_ratio": 0.1181045218855215,
      "beta_global": 1.076272426527176,
      "hit_ratio": 0.7605545053560177,
      "date": "2025-05-01"
    },
    {
      "ticker": "AAVE",
      "annualized_volatility": 1.155901697555736,
      "max_drawdown": 0.9559167821550126,
      "sortino_ratio": 1.278018919754947,
      "beta_global": 1.103712220577867,
      "hit_ratio": 0.7426160337552743,
      "date": "2025-05-01"
    },
    /* ... */
  ]
}
```