

# TN APIM - Quick Start

The following sections demonstrate how to call the API, and all the parameters available.

## 2.1 URL Example

|                |   |
|----------------|---|
| Structure      | https://<domain>/datafeeds/api/<apicategory>/<projectname>  |
| Actual Example | <a href="https://Prep-apim.trustnet.com/datafeeds/api/funddata/integration">https://Prep-apim.trustnet.com/datafeeds/api/funddata/integration</a> |

## 2.2 URL Structure

|                |   |   |
|----------------|---|---|
| <domain>       | <a href="https://Prep-apim.trustnet.com">Prep-apim.trustnet.com</a> | Always as per the example.  |
| <datafeeds>    | datafeeds   | Always as per the example.  |
| <api>          | API   | Always as per the example.  |
| <apicategory>  | FundData  | Returns full API.<br>See section <b>2.4</b> for details on how to call multiple categories at once. |
|                | PriceInfo   | Outputs the category stated.  |
|                | FundInfo  | <i>(This is not an exhaustive list of API categories)</i>   |
|                | Ratings   |   |
|                | CumulativePerf  |   |
|                | AnnualisedPerf  |   |
|                | DiscretePerf  |   |
|                | CalendarPerf  |   |
|                | Breakdowns  |   |
|                | Manager   |   |
|                | Documents   |   |
|                | Ratios  |   |
|                | Charges   |   |
|                | Dividend  |   |
|                | EMTUnitData   |   |
| EMT3UnitData   |   |   |
| EPTSharedData  |   |   |
| EPTCoreData    |   |   |
| EPTComfortData |   |   |
|                | EPTTextualData  |   |
| <projectname>  | Integration   | Client specific, will be supplied on set up.  |

## 2.3 Optional Output Type URL Parameters

|                  |  |
|------------------|--|
| &outputtype=JSON | JSON Output <i>(default output format)</i> |
| &outputtype=XML  | XML Output                                 |
| &outputtype=CSV  | CSV Output                                 |

## 2.4 Optional Control for Multiple Categories Per Call

|            |   |   |
|------------|---|---|
| FundData   | &categories=FundInfo<br>&categories=PriceInfo<br>&categories=Ratings<br>&categories=CumulativePerf<br>&categories=AnnualisedPerf<br>&categories=DiscretePerf<br>&categories=CalendarPerf<br>&categories=Breakdowns<br>&categories=Manager<br>&categories=Documents<br>&categories=Ratios<br>&categories=Charges<br>&categories=Dividend | Values can be comma separated after the parameter "&categories="<br><br><a href="#">Example Link</a><br><br><i>(This is not an exhaustive list of API categories)</i><br><br><b>Note:</b> For individual category calls the <apicategory> should be changed instead |
| Breakdowns | &breakdowntypes=HD<br>&breakdowntypes=SC<br>&breakdowntypes=AR<br>&breakdowntypes=AS<br>&breakdowntypes=FH<br>&breakdowntypes=CR<br>&breakdowntypes=CU<br>&breakdowntypes=CP<br>&breakdowntypes=MP  | Top Holdings<br>Sector<br>Region<br>Asset Class<br>Full Holdings<br>Credit Ratings<br>Currency<br>Market Cap<br>Maturity Period   |

### 2.4.1 Multiple Category Rules

|   |
|---|
| Parameters may be used in combination with filtering parameters, output type parameters and influencing parameters. |
| Comma separated values of two or more categories permitted.   |
| For multiple categories "FundData" <apicategory> must be used.  |
| For multiple breakdowns "Breakdowns" <apicategory> must be used.  |
| Data returned is dependent on categories / fields configured for project.   |

## 2.5 Optional URL Filtering Parameters

|                 |                      |  |
|-----------------|----------------------|--|
| &rangename=     | &rangename=range1    | Filters data to include all units within a configured fund range.<br><br>A single range can include multiple universes, management groups and units. |
| &citicodes=     | &citicodes=pe12      | Filters data on a single unit basis.   |
| &universecodes= | &universecodes=O     | Filters data to include all units within the universe(s) entered only.   |
| &sectorcodes=   | &sectorcodes=O:UKALL | Filters data to include all units within the sector(s) entered only.   |
| &managercodes=  | &managercodes=INVE   | Filters data to include all units within the manager group(s) entered only.  |

### 2.5.1 Filtering Parameter Rules

|   |
|---|
| <p>No filtering parameters can be used in conjunction with one another (with the exception of &amp;rangename= which can be used with any other filtering parameter).</p> <p>Examples, one parameter:<br/><a href="https://Prep-apim.trustnet.com/datafeeds/api/FundData/integration?citicodes=MH9T">https://Prep-apim.trustnet.com/datafeeds/api/FundData/integration?citicodes=MH9T</a></p> <p>Only exception:<br/><a href="https://Prep-apim.trustnet.com/datafeeds/api/FundData/integration?rangename=funds&amp;citicodes=MH9T">https://Prep-apim.trustnet.com/datafeeds/api/FundData/integration?rangename=funds&amp;citicodes=MH9T</a></p> <p>Range name can be used with any other filtering parameter, as the individual unit will be filtered within the larger range.</p> <p>Comma separated values are permitted.</p> <p>Example:<br/><a href="https://prep-apim.trustnet.com/datafeeds/api/FundData/integration?citicodes=MH9T,KEWY,BK05">https://prep-apim.trustnet.com/datafeeds/api/FundData/integration?citicodes=MH9T,KEWY,BK05</a></p> <p>Where an invalid code is entered, the invalid code will be omitted from the output. In cases where the invalid code is the only code entered, no data will return.</p> <p>All filtering parameters are dependent on the units enabled for the project. Any units outside of this project will be treated as invalid.</p> |
|---|

## 2.6 Optional Influencing Parameters

The following parameters can be used in the URL string to directly influence the data returned in the API:

|   |              |               |  |  |
|---|--------------|---------------|--|--|
| Control over performance basis          | Bid to bid   | &methodtype=1 | Influences performance fields.                     | <b>FundData</b><br><br><b>Performance:</b><br><br>CumulativePerf, DiscretePerf, AnnualisedPerf, CalendarPerf, SectorCumulativePerf, SectorDiscretePerf, SectorAnnualisedPerf, SectorCalendarPerf, BenchmarkCumulativePerf, BenchmarkDiscretePerf, BenchmarkAnnualisedPerf, BenchmarkCalendarPerf |
|   | Offer to bid | &methodtype=3 | <i>Integer</i><br><br><a href="#">Example Link</a> |  |
| Control over the performance price type | Price        | &pricetype=0  | Influences performance and ratio fields            | <b>FundData</b>  |

|  |                      |                       |   |  |
|--|----------------------|-----------------------|---|--|
|  | Net Total Return     | &pricetype=1          | <i>Integer</i>  | <b>Ratios</b><br><b>Performance:</b><br>CumulativePerf, DiscretePerf, AnnualisedPerf, CalendarPerf, SectorCumulativePerf, SectorDiscretePerf, SectorAnnualisedPerf, SectorCalendarPerf, BenchmarkCumulativePerf, BenchmarkDiscretePerf, BenchmarkAnnualisedPerf, BenchmarkCalendarPerf   |
|  | Gross Total Return   | &pricetype=2          | <a href="#">Example Link</a>  |  |
|  | Nav                  | &pricetype=5          |   |  |
|  | Nav Published        | &pricetype=7          |   |  |
| Currency   | Local                | &currency=Local       | Influences price, performance and ratio fields  | <b>FundData</b><br><b>PricelInfo</b><br><b>Ratios</b><br><b>Performance:</b><br>CumulativePerf, DiscretePerf, AnnualisedPerf, CalendarPerf, SectorCumulativePerf, SectorDiscretePerf, SectorAnnualisedPerf, SectorCalendarPerf, BenchmarkCumulativePerf, BenchmarkDiscretePerf, BenchmarkAnnualisedPerf, BenchmarkCalendarPerf |
|  | Euros                | &currency=EUR         | Default will take the project setting   |  |
|  | British Pound        | &currency=GBP         | Dependent on data, not all units will be output in all currencies   |  |
|  | US Dollar            | &currency=USD         | <a href="#">Example Link</a>  |  |
|  | Japanese Yen         | &currency=HKD         |   |  |
|  | Australian Dollar    | &currency=AUD         |   |  |
|  | New Zealand Dollar   | &currency=NZD         |   |  |
|  | Hong Kong Dollar     | &currency=HKD         |   |  |
|  | Malaysian Ringgit    | &currency=MYR         |   |  |
|  | South African Rand   | &currency=ZAR         |   |  |
|  | Singapore Dollar     | &currency=SGD         |   |  |
|  | Indian Rupee         | &currency=INR         |   |  |
|  | Swiss Franc          | &currency=CHF         |   |  |
|  | Japanese Yen         | &currency=JPY         |   |  |
| Control over number of dividend records to display     | History length       | &DividendSpan=        | Influences dividend fields allowing all records within a given span to be returned<br><br><i>Integer, number of years</i><br><a href="#">Example Link</a>         | <b>FundData</b><br><b>Dividend</b>   |
|  | Number of entries    | &DividendEntries=     | Influences dividend fields allowing a number of records to return to be specified<br><br><i>Integer</i><br><a href="#">Example Link</a>                           |  |
| Price on Date  | Date                 | &PriceDate=2012-11-03 | Influences price fields allowing data to be pulled for a single historic date<br><br><i>Date, format yyyy-mm-dd</i><br><a href="#">Example Link</a>               | <b>FundData</b><br><b>PricelInfo</b>   |
| Custom Performance Period                              | From Date            | &FromDate=2012-11-03  | Influences the custom performance fields for fund, sector and benchmark<br><br>The To Date can be left blank and the performance will be calculated to last price | <b>FundData</b><br><b>CustomPerformance</b><br><b>SectorCustomPerformance</b><br><b>BenchmarkCustomPerformance</b>   |
|  | To Date              | &ToDate=2019-06-15    |   |  |
| Control over document language and region combinations | Document Language(s) | &Languages=EN-GB      | Influences document fields allowing documents to be pulled in the language(s) defined.<br><br><i>Language Code</i>  | <b>FundData</b><br><b>Documents</b>  |
|  |                      |                       |   |  |

|  |                    |             |   |
|--|--------------------|-------------|---|
|  | Document Region(s) | &Regions=GB | Influences document fields allowing documents to be pulled for the region(s) defined.<br><i>Region Code</i> |
|--|--------------------|-------------|---|

### 2.6.1 Influencing Parameter Rules

|   |
|---|
|   |
| All parameter settings are dependent on having permissions established first at project set up.   |
| Each parameter can only be entered in the URL once. Comma separated values are also invalid.  |
| Examples:   |
| Valid URL:  |
| <a href="https://prep-apim.trustnet.com/datafeeds/api/FundData/integration?methodtype=1&amp;pricetype=2&amp;currency=GBP">https://prep-apim.trustnet.com/datafeeds/api/FundData/integration?methodtype=1&amp;pricetype=2&amp;currency=GBP</a>                                       |
| Invalid URL:  |
| <a href="https://prep-apim.trustnet.com/datafeeds/api/FundData/integration?methodtype=1&amp;methodtype=3">https://prep-apim.trustnet.com/datafeeds/api/FundData/integration?methodtype=1&amp;methodtype=3</a>   |
| Influencing parameters can be used alongside filtering parameters. Example:   |
| <a href="https://prep-apim.trustnet.com/datafeeds/api/FundData/integration?citicodes=MH9T&amp;methodtype=1&amp;pricetype=2&amp;currency=GBP">https://prep-apim.trustnet.com/datafeeds/api/FundData/integration?citicodes=MH9T&amp;methodtype=1&amp;pricetype=2&amp;currency=GBP</a> |
| If no parameters are entered the output will use the default settings set up in the project.  |
| Parameters will override any default settings.  |