

API Integration Guide for SourceData

To be used in conjunction with the
API Integration Guide

API Integration Guide v2.0

Endpoint reference for V2 of the RI API.

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Mandates

GET

Title

Mandates

Description

Get all mandates associated with a client's subscribed modules.

URL

`/rest/api/v2.0/mandates`

Sample Request

1. Retrieving all mandate changes from a specified date

`/rest/api/v2.0/mandates?customerId=3289&token=dafb5e5093a7159bdcbbb2dbfacc4f8a&filter[date-From]=2016-03-24`

2. Retrieving 1 mandate

`/rest/api/v2.0/mandates/459053?customerId=3289&token=dafb5e5093a7159bdcbbb2dbfacc4f8a`

Example response

Code: 200

Content in JSON:

JSON

```
{
  "data": [
    {
      "type": "mandate",
      "id": "1258756",
      "attributes": {
        "title": "Corporations Act 2001 (Cth)",
        "dateCreated": "2019-04-23 17:09:27",
        "dateChanaed": "2019-06-05 11:45:26".
      }
    }
  ]
}
```

Example
Response
(continued)

```
    "level": "Federal",  
    "url": "https://www.legislation.gov.au/Series/VC2004A00818  
  },  
  "relationships": {  
    "mandates": {  
      "data": [  
        {  
          "type": "mandate",  
          "id": "1259014"  
        },  
        {  
          "type": "mandate",  
          "id": "1259657"  
        },  
        {  
          "type": "mandate",  
          "id": "1260508"  
        },  
        {  
          "type": "mandate",  
          "id": "1261020"  
        },  
        {  
          "type": "mandate",  
          "id": "1261858"  
        },  
        {  
          "type": "mandate",  
          "id": "1262495"
```

Example
Response
(continued)

```
    "regulators":{
      "data":[
        {
          "type":"regulator",
          "id":"71362"
        }
      ]
    },
    "obligations":{
      "data":[
        {
          "type":"obligation",
          "id":"26426"
        }
      ]
    },
    "subobligations":{
      "data":[
        {
          "type":"subobligation",
          "id":"20415"
        }
      ]
    }
  },
  {
    "type":"mandate",
    "id":"1259014",
    "attributes":{
      "title":"Volume 1",
      "dateCreated":"2019-04-24 12:58:34",
```

Example
Response
(continued)

```
    "dateChanged": "2019-05-09 15:50:58",
    "dateArchived": "2029-05-09 15:50:58",
    "isArchived": "false",
    "sortOrder": 0
  },
  "relationships": {
    "mandates": {
      "data": [
        {
          "type": "mandate",
          "id": "1259015"
        },
        {
          "type": "mandate",
          "id": "1259176"
        },
        {
          "type": "mandate",
          "id": "1259192"
        },
        {
          "type": "mandate",
          "id": "1259245"
        },
        {
          "type": "mandate",
          "id": "1259265"
        },
        {
          "type": "mandate",
          "id": "1259391"
        }
      ]
    }
  }
}
```

Example
Response
(continued)

```
{
  "type": "mandate",
  "id": "1259422"
},
{
  "type": "mandate",
  "id": "1259458"
},
{
  "type": "mandate",
  "id": "1259587"
},
{
  "type": "mandate",
  "id": "1259618"
}
]
},
"parentMandate": {
  "data": {
    "type": "mandate",
    "id": "1258756"
  }
}
}
],
"links": {
  "self":
    "https://au-ri-matrix-uat-lnx.clients.squiz.net/rest/api/v2.0\"
```

Example
Response
(continued)

```
    "execution_time": "0.267 secs",  
    "cursor": {  
      "current": "1",  
      "prev": null,  
      "next": null,  
      "count": 2  
    }  
  }  
}
```

Code: 200

Content in XML:

XML

```
<?xml version="1.0" encoding="UTF-8"?>  
<result>  
  <data>  
    <mandate>  
      <id>1258756</id>  
      <title>Corporations Act 2001 (Cth)</title>  
      <dateCreated>2019-04-23 17:09:27</dateCreated>  
      <dateChanged>2019-06-05 11:45:26</dateChanged>  
      <dateArchived>2029-06-05 11:45:26</dateArchived>  
      <isArchived>false</isArchived>  
      <sortOrder />  
      <country>Australia</country>  
      <state>All</state>  
      <isGovernment>true</isGovernment>  
      <level>Federal</level>  
      <url>https://www.legislation.gov.au/Series/C2004A00818</url>  
    </mandates>
```


Example
Response
(continued)

```
<mandate>
  <id>1259014</id>
</mandate>
<mandate>
  <id>1259657</id>
</mandate>
<mandate>
  <id>1260508</id>
</mandate>
<mandate>
  <id>1261020</id>
</mandate>
<mandate>
  <id>1261858</id>
</mandate>
<mandate>
  <id>1262495</id>
</mandate>
</mandates>
<regulators>
  <regulator>
    <id>71362</id>
  </regulator>
</regulators>
<obligations>
  <obligation>
    <id>26426</id>
  </obligation>
</obligations>
<subobligations>
  <subobligation>
    <id>20415</id>
```

Example
Response
(continued)

```
        </subobligation>
      </subobligations>
    </mandate>
  <mandate>
    <id>1259014</id>
    <title>Volume 1</title>
    <dateCreated>2019-04-24 12:58:34</dateCreated>
    <dateChanged>2019-05-09 15:50:58</dateChanged>
    <dateArchived>2029-05-09 15:50:58</dateArchived>
    <isArchived>false</isArchived>
    <sortOrder>0</sortOrder>
    <parentMandate>
      <mandate>
        <id>1258756</id>
      </mandate>
    </parentMandate>
  </mandates>
</mandates>
  <mandate>
    <id>1259015</id>
  </mandate>
  <mandate>
    <id>1259176</id>
  </mandate>
  <mandate>
    <id>1259192</id>
  </mandate>
  <mandate>
    <id>1259245</id>
  </mandate>
  <mandate>
    <id>1259265</id>
  </mandate>
```

Example
Response
(continued)

```
<mandate>
  <id>1259391</id>
</mandate>
<mandate>
  <id>1259422</id>
</mandate>
<mandate>
  <id>1259458</id>
</mandate>
<mandate>
  <id>1259587</id>
</mandate>
<mandate>
  <id>1259618</id>
</mandate>
</mandates>
</mandate>
</data>
<metadata>
  <cursor>
    <current>1258756</current>
    <next>1259014</next>
    <count>2</count>
  </cursor>

  <execution_time>0.247 secs</execution_time>
</metadata>
</result>
```

Error Response

JSON:

JSON

```
{
  code: 401,
  message: "Invalid token"
}
```

XML:

XML

```
<error>
  <code>401 </code>
  <message>Invalid token</message>
</error>
```

Error Codes

- 404: Not found. There are no records matching your request.
- 400: Invalid format requested: \{incorrect value\}. Format value is not equal to one of permitted types (json, xml, csv).
- 400: Page after parameter must be a positive integer. Incorrect page[after] value.
- 401: Missing token or customer_id.
- 401: Missing required subscription, or no subscriptions present.
- 401: Various relayed from subscriptions API.
- 500: Customer subscription or configuration missing.
- 500: Invalid response from subscriptions endpoint.

Response Metadata

- execution_time
- cursor :: current - the pagination reference for the starting record.
- cursor :: prev - unused.
- cursor :: next - the pagination reference for the last record returned for use in the next request as follows:
 - page[after]=xxxx
- cursor :: count - the number of records returned.
- Other input parameters used will also appear in the meta response.

Input parameters

Parameter	Format	Default	Sample	Mandatory?	Comments
customerId	customerId=xxxx		customerId=3289	Yes	
token	token=xxxxxx		token= dafb5e5093a7159bdcbbb2dbfacc4f8a	Yes	
format	format=json xml csv	json	format=xml	No	
dateFrom	filter[dateFrom]=YYYY-mm-dd		filter[dateFrom]=2016-03-24	No	
dateEnd	filter[dateEnd]=YYYY-mm-dd		filter[dateEnd]=2016-03-31		
recordType	filter[recordType]=active archived		filter[recordType]=active	No	<p>This has 3 states:</p> <ul style="list-style-type: none"> • Not set: All active records and all archived records with an archive date in the future are returned. • "active": All active records (unarchived) are returned only. • "archived": All archived records with an archive date in the future are returned only.
size	page[size]=x		page[size]=200	No	Note: Minimum and maximum values are set on the server. Currently 100/2000.
after	page[after]=xxxx		page[after]=45326	No	For cursor-based pagination. Value will be obtained from a prior response "next" parameter.
Country	filter[country]		Filter[country]=Australia	No	
Level	filter[level]		Filter[level]=State	No	

Module	filter[module]		Filter[module]=7146	No	
--------	----------------	--	---------------------	----	--

Regulators

GET

Title

Regulators

Description

Fetch regulators associated with a subscriber's modules.

URL

/rest/api/v2.0/regulators

Sample Request

1. Retrieving all regulator changes from a specified date
 /rest/api/v2.0/regulators?customerId=3289&token=dafb5e5093a7159bdcbbb2dbfacc4f8a&filter[date-From]=2016-03-24
2. Retrieving 1 regulator
 /rest/api/v2.0/regulators/64832?customerId=3289&token=dafb5e5093a7159bdcbbb2dbfacc4f8a

Example response

Code: 200
 Format: JSON

JSON

```
{
  "data": [
    {
      "type": "regulator",
      "id": "71362",
      "attributes": {
        "name": "Australian Securities and Investments Commission (Australia)", "country":
        "Australia",
        "state": "All",
        " " " " " " " "
      }
    }
  ]
}
```

Example
Response
(continued)

```
    "isGovernment": "true",
    "url": "https://asic.gov.au/", "acronym":
    "ASIC"
  },
  "relationships": {
    "mandates": {
      "data": [
        {
          "type": "mandate",
          "id": "1258829"
        },
        {
          "type": "mandate",
          "id": "1258807"
        },
        {
          "type": "mandate",
          "id": "1258816"
        },
        {
          "type": "mandate",
          "id": "1258788"
        },
        {
          "type": "mandate",
          "id": "1258742"
        },
        {
          "type": "mandate",
          "id": "1258748"
        },
        {
          "type": "mandate",
          "id": "1258847"
        },
        {
          "type": "mandate",
          "id": "1258785"
        },
        {
          "type": "mandate",
```


Example
Response
(continued)

```
    "id": "1258846"  
  }, {  
    "type": "mandate",  
    "id": "1258740"  
  }, {  
    "type": "mandate",  
    "id": "1258776"  
  }, {  
    "type": "mandate",  
    "id": "1258754"  
  }, {  
    "type": "mandate",  
    "id": "1258850"  
  }, {  
    "type": "mandate",  
    "id": "1258744"  
  }, {  
    "type": "mandate",  
    "id": "1258845"  
  }, {  
    "type": "mandate",  
    "id": "1258741"  
  }, {  
    "type": "mandate",  
    "id": "1258831"  
  }, {  
    "type": "mandate",  
    "id": "1258811"  
  }, {  
    "type": "mandate",  
    "id": "1258798"  
  }, {  
  }, {
```

Example
Response
(continued)

```
    "type": "mandate",  
    "id": "1258851"  
  }, {  
    "type": "mandate",  
    "id": "1258793"  
  }, {  
    "type": "mandate",  
    "id": "1258756"  
  }, {  
    "type": "mandate",  
    "id": "1258764"  
  }, {  
    "type": "mandate",  
    "id": "1258826"  
  }, {  
    "type": "mandate",  
    "id": "1258815"  
  }, {  
    "type": "mandate",  
    "id": "1258848"  
  }, {  
    "type": "mandate",  
    "id": "1258797"  
  }, {  
    "type": "mandate",  
    "id": "1258645"  
  }, {  
    "type": "mandate",  
    "id": "1258803"  
  }, {  
    "type": "mandate",  
    "id": "1258770"
```

Example
Response
(continued)

```
  },{  
    "type": "mandate",  
    "id": "1258789"  
  },{  
    "type": "mandate",  
    "id": "1258782"  
  },{  
    "type": "mandate",  
    "id": "1258805"  
  },{  
    "type": "mandate",  
    "id": "1258749"  
  },{  
    "type": "mandate",  
    "id": "1258761"  
  },{  
    "type": "mandate",  
    "id": "1258759"  
  },{  
    "type": "mandate",  
    "id": "1258646"  
  },{  
    "type": "mandate",  
    "id": "1258751"  
  },{  
    "type": "mandate",  
    "id": "1258813"  
  },{  
    "type": "mandate",  
    "id": "1258757"  
  }  
}
```

Example
Response
(continued)

```
    }
  }, {
    "type": "regulator",
    "id": "71366",
    "attributes": {
      "name": "Australian Registrars National Electronic Conveyancing Council", "country": "Australia", "state":
      "All",
      "level": "Federal",
      "department": "false",
      "dateCreated": "2019-03-18 12:54:49",
      "dateChanged": "2019-05-29 13:27:02",
      "dateArchived": "2020-05-28 00:00:00",
      "isArchived": "true",
      "isGovernment": "true",
      "url": "https://www.arnecc.gov.au",
      "acronym": "ARNECC"
    },
    "relationships": {
      "mandates": {
        "data": [
          {
            "type": "mandate",
            "id": "1258787"
          },
          {
            "type": "mandate",
            "id": "1281277"
          },
          {
            "type": "mandate",
            "id": "1258825"
          }
        ]
      }
    }
  }
},
},
```

Example
Response
(continued)

```
    "links":{
      "self":
        "https://au-ri-matrix-uat-lxnx.clients.squiz.net/rest/api/v2.0/regulators?
    },
    "meta":{
      "execution_time": "0.408 secs",
      "cursor":{
        "current": "71362",
        "prev": null,
        "next": null,
        "count": 2
      }
    }
  }
}
```

Code: 200

Format: XML

XML

```
<?xml version="1.0" encoding="UTF-8"?>
<result>
  <data>
    <regulator>
      <id>71362</id>
      <name>Australian Securities and Investments Commission (Australia)</
      <country>Australia</country>
      <state>All</state>
```

Example
Response
(continued)

```
<level>Federal</level>
<department>>false</department>
<dateCreated>2019-03-18 12:54:47</dateCreated>
<dateChanged>2019-06-04 22:06:00</dateChanged>
<dateArchived>2029-05-14 14:17:32</dateArchived>
<isArchived>>false</isArchived>
<isGovernment>>true</isGovernment>
<url>https://asic.gov.au/</url>
<acronym>ASIC</acronym>
<mandates>
  <mandate>
    <id>1258829</id>
  </mandate>
  <mandate>
    <id>1258807</id>
  </mandate>
  <mandate>
    <id>1258816</id>
  </mandate>
  <mandate>
    <id>1258788</id>
  </mandate>
  <mandate>
    <id>1258742</id>
  </mandate>
  <mandate>
    <id>1258748</id>
  </mandate>
  <mandate>
    <id>1258847</id>
  </mandate>
</mandates>
```

Example
Response
(continued)

```
<id>1258785</id>
</mandate>
<mandate>
  <id>1258846</id>
</mandate>
<mandate>
  <id>1258740</id>
</mandate>
<mandate>
  <id>1258776</id>
</mandate>
<mandate>
  <id>1258754</id>
</mandate>
<mandate>
  <id>1258850</id>
</mandate>
<mandate>
  <id>1258744</id>
</mandate>
<mandate>
  <id>1258845</id>
</mandate>
<mandate>
  <id>1258741</id>
</mandate>
<mandate>
  <id>1258831</id>
</mandate>
<mandate>
  <id>1258811</id>
</mandate>
```

Example
Response
(continued)

```
<mandate>  
  <id>1258798</id>  
</mandate>  
<mandate>  
  <id>1258851</id>  
</mandate>  
<mandate>  
  <id>1258793</id>  
</mandate>  
<mandate>  
  <id>1258756</id>  
</mandate>  
<mandate>  
  <id>1258764</id>  
</mandate>  
<mandate>  
  <id>1258826</id>  
</mandate>  
<mandate>  
  <id>1258815</id>  
</mandate>  
<mandate>  
  <id>1258848</id>  
</mandate>  
<mandate>  
  <id>1258797</id>  
</mandate>  
<mandate>  
  <id>1258645</id>  
</mandate>  
<mandate>  
  <id>1258803</id>
```


Example
Response
(continued)

```
</mandate>  
<mandate>  
  <id>1258770</id>  
</mandate>  
<mandate>  
  <id>1258789</id>  
</mandate>  
<mandate>  
  <id>1258782</id>  
</mandate>  
<mandate>  
  <id>1258805</id>  
</mandate>  
<mandate>  
  <id>1258749</id>  
</mandate>  
<mandate>  
  <id>1258761</id>  
</mandate>  
<mandate>  
  <id>1258759</id>  
</mandate>  
<mandate>  
  <id>1258646</id>  
</mandate>  
<mandate>  
  <id>1258751</id>  
</mandate>  
<mandate>  
  <id>1258813</id>  
</mandate>  
<mandate>
```

Example
Response
(continued)

```
        <id>1258757</id>
      </mandate>
    </mandates>
  </regulator>
  <regulator>
    <id>71366</id>
    <name>Australian Registrars National Electronic Conveyancing Council <country>Australia</country>
    <state>All</state>
    <level>Federal</level>
    <department>false</department>
    <dateCreated>2019-03-18 12:54:49</dateCreated>
    <dateChanged>2019-05-29 13:27:02</dateChanged>
    <dateArchived>2020-05-28 00:00:00</dateArchived>
    <isArchived>true</isArchived>
    <isGovernment>true</isGovernment>
    <url>https://www.arnecc.gov.au/</url>
    <acronym>ARNECC</acronym>
    <mandates>
      <mandate>
        <id>1258787</id>
      </mandate>
      <mandate>
        <id>1281277</id>
      </mandate>
      <mandate>
        <id>1258825</id>
      </mandate>
    </mandates>
  </regulator>
</data>
```

Example
Response
(continued)

```

<metadata>
  <cursor>
    <current>71362</current>
    <next>71366</next>
    <count>2</count>
  </cursor>
  <execution_time>0.416 secs</execution_time>
</metadata>
</result>

```

Example
Response

JSON:

JSON

```

{
  code: 401,
  message: "Invalid token"
}

```

XML:

XML

```

<error>
  <code>401</code>
  <message>Invalid token</message>

```

Error
Codes

404: Not found. There are no records matching your request.

400: Invalid format requested: \{incorrect value\}. Format value is not equal to one of permitted types (json,xml,csv).

400: Page after parameter must be a positive integer. Incorrect page[after] value.

401: Missing token or customer_id.

401: Missing required subscription, or no subscriptions present.

Error Codes (continued)

401: Various relayed from subscriptions API.
 500: Customer subscription or configuration missing.
 500: Invalid response from subscriptions endpoint.

Response Metadata

execution_time
 cursor :: current - the pagination reference for the starting record.
 cursor :: prev - unused.
 cursor :: next - the pagination reference for the last record returned for use in the next request as follows:
 page[after]=xxxx
 cursor :: count - the number of records returned.

Other input parameters used will also appear in the meta response.

Input parameters

Parameter	Format	Default	Sample	Mandatory?	Comments
customerId	customerId=xxxx		customerId=3289	Yes	
token	token=xxxxxx		token=dafb5e5093a7159bdcbbb2dbfacc4f8a	Yes	
format	format=json xml csv	json	format=xml	No	
dateFrom	filter[dateFrom]=YYYY-mm-dd		filter[dateFrom]=2016-03-24	No	
dateEnd	filter[dateEnd]=YYYY-mm-dd		filter[dateEnd]=2016-03-31	No	
recordType	filter[recordType]=active archived		filter[recordType]=active	No	This has 3 states: <ul style="list-style-type: none"> • Not set: All active records and all archived records with an archive date in the future are returned. • "active": All active records (unarchived) are returned nly.

Input parameters (continued)

					<ul style="list-style-type: none"> • “archived”: All archived records with an archive date in the future are returned only.
size	page[size]=x		page[size]=200	No	Note: Minimum and maximum values are set on the server. Currently 100/2000.
after	page[after]=xxxx		page[after]=45326	No	For cursor-based pagination. Value will be obtained from a prior response “next” parameter.
Country	filter[country]		Filter[country]=Australia	No	
Level	filter[level]		Filter[level]=State	No	
Module	filter[module]		Filter[module]=7146	No	

Pagination Explainer

Pagination is of the “cursor” type to maximise performance. The method for consuming the data is to continue requesting pages until the pages are exhausted for a given query. For JSON and XML request formats, the response provides the value “next” which is used in the subsequent call by setting parameter “after”.

Alternatively a Link HTTP header parameter is set to provide clients with the URL to use for the subsequent request:

```

HTTP Link Header


---


link:
<https://au-ri-matrix-uat-lxn.clients.squiz.net/rest/api/v2.0/mandates?
customerId=13711&token=4cb62ffda5e9988876b1031ea249fdf6&page[after]=100>
;rel="next"
    
```

Example metadata response with pagination parameters of `page[size]=200&page[after]=400`

```
- meta: {  
  execution_time: "0.416 secs",  
  - cursor: {  
    current: "401",  
    prev: null,  
    next: "600",  
    count: 200  
  }  
}
```

The subsequent request, substituting the value of "next" for our "after" parameter is `page[size]=200&page[after]=600` The final page will not contain a value for "next" as the following example shows with `page[size]=200&page[after]=6400`

```
- meta: {  
  execution_time: "0.711 secs",  
  - cursor: {  
    current: "6401",  
    prev: null,  
    next: null,  
    count: 200  
  }  
}
```

CSV Download

CSV download is a special case, as the response will not provide the value of next for subsequent requests. In this case your client application will

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need to use the URL value set in the HTTP header Link parameter for the subsequent request.

Once there are no records left to download via CSV a 404 http error code will be returned.

Appendix

REGULATORS		
Field name	Data Type	Description
id	integer	Asset ID
name	varchar	Regulator name
country	varchar	Regulator country of origin
state	varchar	State or Territory within the Regulator's country of origin
level	varchar	Drop down list - Federal, Local, State, Territory or Blank
department	varchar	TRUE or FALSE
dateCreated	Date	Asset Creation Date
dateChanged	Date	Asset Last Published Dated
dateArchived	Date	Asset is Archived but will continue to be available via the API until the date specified in dateArchived field
isArchived	varchar	TRUE or FALSE
isGovernment	varchar	TRUE or FALSE
url	varchar	url to the Regulator site
acronym	varchar	Acronym for the Regulator
mandates	varchar	Asset IDs of related Mandates (Compliance Sources)

COMPLIANCE SOURCE		
Field name	Data Type	Description
id	integer	Asset ID
title	varchar	Mandate (compliance source) title
country	varchar	mandate country of origin
state	varchar	State or Territory within the Mandate's country of origin
level	varchar	Drop down list - Federal, Local, State, Territory or Blank
url	varchar	url to the government site for the Mandate (Compliance Source)
dateCreated	Date	Asset Creation Date
dateChanged	Date	Asset Last Published Dated
dateArchived	Date	Asset is Archived but will continue to be available via the API until the date specified in dateArchived field
isArchived	varchar	TRUE or FALSE
isGovernment	varchar	TRUE or FALSE
parentMandate	integer	Where the asset is a Sub Mandate (the Mandate's entire hierarchy down to the section level is included) the asset ID of it's immediate parent
mandates	integer	The asset IDs of its immediate child mandates
regulators	integer	Asset IDs of related Regulators
obligations	integer	Asset IDs of related Obligations
subobligations	integer	Asset IDs of related Sub Obligations
alerts	integer	Asset IDs of related Alerts

Conceptual Data Model

