



Ninja Van NV-7419

[Pdt] Add new fields into Route Cash Inbound Page (BE)

Details

Type:	<input checked="" type="checkbox"/> Task	Status:	CLOSED (View Workflow)
Priority:	Low	Resolution:	Done
Affects Version/s:	Core Sprint 50	Fix Version/s:	Core Sprint 50
Component/s:	Core API		
Labels:	core-scrum		
Story Points:	13		
Sprint:	Core Sprint 48, Core Sprint 49, Core Sprint 50		

Description

Background

As a Finance Staff doing Cash reconciliation. The current information shown in this page: <https://operatorv2.ninjava.co/#/ph/cod> does not suffice, instead Finance relies on Redash Query (for PH): https://redash.ninjava.co/queries/6388/source?p_start_date=2019-08-23&p_end_date=2019-08-27#6850 but this query no longer runs properly.

Acceptance Criteria

Add the following Columns into the output for Frontend display and CSV download:

1. Driver ID
 - Driver ID the Route was assigned to
2. Hub ID
 - Hub the Cash Inbound was done at
3. Expected Amount
 - Sum of all COD collected in the Route
4. Total Collected
 - Sum of all Cash Inbound entries for the same Route ID (to support partial cash inbound) # Created At
 - Time this entry was created

Technical Criteria**Endpoint :**

```
GET <core>/codinbounds
```

Request parameters

Parameter	Type	Description	Availability
start	String	Start timestamp (UTC) of the interval (inclusive) in format: "YYYY-MM-DD hh:mm:ss"	Mandatory
end	String	End timestamp (UTC) of the interval (inclusive) in format: "YYYY-MM-DD hh:mm:ss"	Mandatory
last_id	Integer	The id of the last result of the previous page (for pagination)	Optional, default = 0
max_result	Integer	The maximum number of results to retrieve	Optional, default = 100

Request payload

No request body.

Response payload

```
[
  {
    "id":5467315,
    "route_id":7136844,
    "driver_id":713554,
    "hub_id":136814,
    "hub_name": "A BETTER FLORIST",
    "amount_collected": 1E+2,
    "expected_amount": 6.5E+2,
    "total_collected": 425,
    "receipt_no":"3825",
    "type":"Cash",
    "inbounded_by":565743,
    "inbounded_by_name":"Khim Jan Tacderan / khim.tacderan@ninjava.co"  }
]
```

Parameter	Type	Description	Availability
id	Integer	The id of the cod inbound <i>cod_inbounds.id</i>	Mandatory
route_id	Integer	The id of the route of the cod inbound <i>cod_inbounds.route_id</i>	null if no route found
driver_id	Integer	The id of the driver of the cod inbound <i>cod_inbounds.driver_id</i>	null if no driver found
hub_id	Integer	The id of the hub of the route of the cod inbound <i>route_logs.hub_id</i>	null if no driver found
hub_name	String	The name of the hub of the route of the cod inbound <i>route_logs.hub_name</i>	null if no driver found
amount_collected	Numeric	The amount collected of the cod inbound <i>cod_inbounds.amt_collected</i>	null if no value found
expected_amount	Numeric	The sum of cod collections over the route of the cod inbound	null if no route found
total_collected	Numeric	The sum of amount collected over all cod inbounds of the route	null if no route found

receipt_no	Num eric	The receipt number of the cod inbound <i>cod_inbounds.receipt_no</i>	null if no receipt number found
type	Strin g	The type of cod inbound (currently Cash is the only option) <i>cod_inbounds.type</i>	Mandatory
inbounded_by	Integ er	The id of the user associated with the cod inbound <i>cod_inbounds.inbounded_by</i>	null if value not found
inbounded_by_name	Strin g	The name and email of the user associated with the cod inbound in format: "<first name> <last name> / <email address>" (retrieved from auth service <div style="border: 1px solid #ccc; padding: 5px; margin: 5px 0;">{{AUTH}}/2.0/users/search</div>)	null if user id not found or failure retrieving from auth service
created_at	Strin g	The timestamp of this cod inbound upon creation in format "YYYY-MM-DD hh:mm:ss"	Mandatory

Setting up *cod_inbounds*

For all of the *cod_inbounds* used for QA testing below, the following information must be present (unless otherwise explicitly stated):

- *id*, *created_at*, *route_id*, *driver_id*, *amt_collected*, *inbounded_by*, *receipt_no*, *type*
- *route_logs* with the *route_id* should also be present with the following information: *id*, *hub_id*
- Between 5 to 30 *waypoints*, each with *id*
- *route_waypoint* with *route_id* and *waypoint_id* to match
- One of *cod_collections* with *id*, *waypoint_id*, and *collected_sum* for each of the *waypoints*

Calculation of *expected_amount* and *total_collected*

expected_amount

- For finance staff to check the sum of all cod collections over all waypoints of the route
- Calculation: Given one *cod_inbounds*, retrieve the one *route_logs* using *cod_inbounds.route_id*, find all *waypoints* for that *route_logs*, and sum all *cod_collections.collected_sum* for *cod_collections.waypoint_id* = *waypoints.id*

total_collected

- For finance staff to check the sum of all (possibly only one) cod inbounds of the route
- Calculation: Given one *cod_inbounds*, retrieve the one *route_logs* using *cod_inbounds.route_id*, find all *cod_inbounds* with the same *cod_inbounds.route_id* including the given one, and sum *cod_inbounds.amt_collected*

Success case, no cod inbounds in time interval

Pre-conditions

- No entries in DB *cod_inbounds* have *date_created* between *start* and *end* (inclusive)
- *last_id* is 0 or omitted
- *max_result* is 1 or greater

Post-conditions

- Response code 200
- Response body is empty list

Success case, one or more cod inbounds in time interval

Pre-conditions

- There exist *n* entries in DB *cod_inbounds* have *date_created* between *start* and *end* (inclusive)
- All of the *n* entries have non-null *route_id*
- *last_id* is 0 or omitted
- *max_result* is *n* or greater

Post-conditions

- Response code 200
- Response body is a list of those *n* cod inbounds within the date range and their details (no duplicate cod inbounds)
- The fields of the cod inbounds match the values in the DB or the derived values as described above in *Response payload*

Success case, some cod inbounds in time interval have no route id

Pre-conditions

- There exist *n* entries in DB *cod_inbounds* have *date_created* between *start* and *end* (inclusive)
- Some of the *n* entries have null for *route_id*
- *last_id* is 0 or omitted
- *max_result* is *n* or greater

Post-conditions

- Response code 200

- response body is a list of those n cod inbound within the date range and their details (no duplicate cod inbound)
- The fields of the cod inbound match the values in the DB or the derived values as described above in *Response payload* (note that when *route_id* is null, several of these fields will also be null)

Success case, paginated

Pre-conditions

- There exist n entries in DB *cod_inbounds* have *date_created* between *start* and *end* (inclusive)
- *last_id* is any integer (multiple values should be tested)
- *max_result* is positive but smaller than n (multiple values should be tested)

Post-conditions

- Response code 200
- Response body is a sublist of those n cod inbound within the date range and their details
- Response body sublist contains the cod inbound in DB with least *id* that is greater than *last_id*
- Response body sublist contains at most n cod inbound
- If response body sublist contains a cod inbound with *codid* = k , all cod inbound in DB with *last_id* < id < k should also be in the sublist

Unrecognised date format case

Pre-conditions

- *start* or *end* is a string that is not a formatted date

Post-conditions

- Response code 400

Negative *max_result* case

Pre-conditions

- *max_result* is negative

Post-conditions

- Response code 400

Load testing, non-paginated

Pre-conditions

- There exist $n = 10\,000$ entries in DB *cod_inbounds* have *date_created* between *start* and *end* (inclusive)
- All of the n entries have non-null *route_id*
- *last_id* is 0
- *max_result* is n or greater

Post-conditions

- Response code 200

Performance

- At most 20 seconds response time

Load testing, paginated

This involves making multiple requests in sequence. After the first request is made, subsequent requests are only made after the response to the previous request is received.

Pre-conditions

- There exist $n = 10\,000$ entries in DB *cod_inbounds* have *date_created* between *start* and *end* (inclusive)
- All of the n entries have non-null *route_id*
- *last_id* is 0 for the first request, and the greatest *id* (previously received) for subsequent requests
- *max_result* is $n/10$ or smaller (multiple values should be tested)

Post-conditions

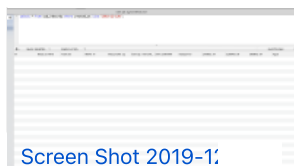
- Response code 200

Performance

- At most 30 seconds for all requests in total

▼ Attachments

Drop files to attach, or [browse](#).



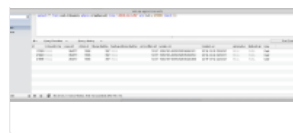
Screen Shot 2019-12-12 2:27 PM

240 kB



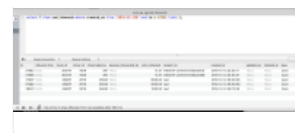
Screen Shot 2019-12-12 2:57 PM

451 kB



Screen Shot 2019-12-12 5:10 PM

223 kB



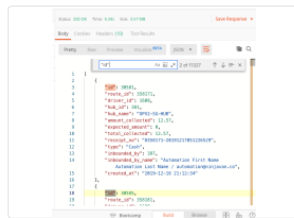
Screen Shot 2019-12-12 5:14 PM

238 kB



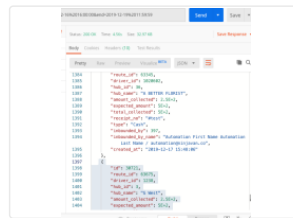
Screen Shot 2019-12-12 6:19 PM

52 kB



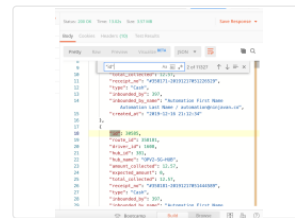
Screen Shot 2019-12-19 3:43 PM

77 kB



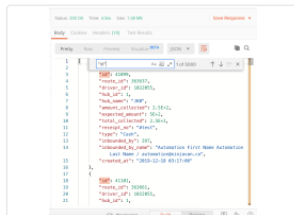
Screen Shot 2019-12-19 3:46 PM

95 kB



Screen Shot 2019-12-26 12:25 PM

240 kB



Screen Shot 2019-12-27 12:27 PM

209 kB

Issue Links

blocks

[NV-7257](#) [Pdt] Add new fields into Route Cash Inbound Page (FE)

CLOSED

Activity

[Binti Cahayati](#) added a comment - 12/Dec/19 6:50 PM - edited

Test Result : PASSED

Result :

Scenario	Result
Success case, no cod inbounds in time interval	<p>Request :</p> <pre>curl -X GET \ 'https://api-qa.ninjavaan.co/sg/core/codinbounds?start=2019-12-13%2006%3A09%3A28&end=2019-12-13%2006%3A09%3A59&last_id=0&max_result=1000' \ -H 'Accept: application/json, text/plain, */*' \ -H 'Accept-Encoding: gzip, deflate, br' \ -H 'Accept-Language: en-US,en;q=0.9,id;q=0.8' \ -H 'Authorization: Bearer GE5fiUpDt7dRYM8pSrKGegnnMg25lTwV' \ -H 'Cache-Control: no-cache' \ -H 'Connection: keep-alive' \ -H 'Host: api-qa.ninjavaan.co' \ -H 'Origin: https://operatorv2-qa.ninjavaan.co' \ -H 'Postman-Token: 91cc992a-0fa5-4684-b47d-970b3e178909,ee7d4d29-9c94-4a22-b360-aad23c831c21' \ -H 'Referer: https://operatorv2-qa.ninjavaan.co/' \ -H 'Sec-Fetch-Mode: cors' \ -H 'Sec-Fetch-Site: same-site' \ -H 'User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.108 Safari/537.36' \ -H 'cache-control: no-cache' \ -H 'timezone: Asia/Singapore'</pre> <p>Response :</p> <p>200 OK</p> <pre>[]</pre> <p>Data from DB : 0 row in cod_inbounds</p>



Request :

```
curl -X GET \
  'https://api-qa.ninjava.co.sg/core/codinbounds?start=2019-12-12%2002%3A09%3A28&end=2019-12-12%2006%3A09%3A59' \
  -H 'Accept: application/json, text/plain, */*' \
  -H 'Accept-Encoding: gzip, deflate, br' \
  -H 'Accept-Language: en-US,en;q=0.9,id;q=0.8' \
  -H 'Authorization: Bearer GE5fiUpDt7dRYM8pSrKGegnnMg25lTwV' \
  -H 'Cache-Control: no-cache' \
  -H 'Connection: keep-alive' \
  -H 'Host: api-qa.ninjava.co' \
  -H 'Origin: https://operatorv2-qa.ninjava.co' \
  -H 'Postman-Token: f1310543-09e1-4b46-99f2-c881deba400e,8ad359ac-6868-4f1f-bcc6-2c5ea291816c' \
  -H 'Referer: https://operatorv2-qa.ninjava.co/' \
  -H 'Sec-Fetch-Mode: cors' \
  -H 'Sec-Fetch-Site: same-site' \
  -H 'User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.108 Safari/537.36' \
  -H 'cache-control: no-cache' \
  -H 'timezone: Asia/Singapore'
```

Response :

200 OK

Success case,
one or more
cod inbounds in
time interval

```
{
  {
    "id": 27997,
    "route_id": 354811,
    "driver_id": 2679,
    "hub_id": 1,
    "hub_name": "JKB",
    "amount_collected": 3E+3,
    "expected_amount": 1E+4,
    "total_collected": 5E+3,
    "receipt_no": "test",
    "type": "Cash",
    "inbounded_by": 25530,
    "inbounded_by_name": "Binti Cahayati / binti.cahayati@ninjava.co",
    "created_at": "2019-12-12 06:09:28"
  },
  {
    "id": 27999,
    "route_id": 354811,
    "driver_id": 2679,
    "hub_id": 1,
    "hub_name": "JKB",
    "amount_collected": 3E+3
  }
}
```

Data from DB :

2 rows in cod_inbounds



Success case,
some cod
inbounds in
time interval
have no route id


Request :

```
curl -X GET \
  'https://api-qa.ninjava.co.sg/core/codinbounds?start=2019-12-12%2002%3A00%3A00&end=2019-12-12%2002%3A59%3A59' \
  -H 'Accept: application/json, text/plain, */*' \
  -H 'Accept-Encoding: gzip, deflate, br' \
  -H 'Accept-Language: en-US,en;q=0.9,id;q=0.8' \
  -H 'Authorization: Bearer GE5fiUpDt7dRYM8pSrKGegnnMg25lTwV' \
  -H 'Cache-Control: no-cache' \
  -H 'Connection: keep-alive' \
  -H 'Host: api-qa.ninjava.co' \
  -H 'Origin: https://operatorv2-qa.ninjava.co' \
  -H 'Postman-Token: b5c12524-b4f8-4508-a0d7-8759a9888b3c,8ff3ce76-d1ca-4e34-a950-1060ad0d0a3f,07d1f1b3-4de4-4732-a4f6-55b56c0248e2' \
  -H 'Referer: https://operatorv2-qa.ninjava.co/' \
  -H 'Sec-Fetch-Mode: cors' \
  -H 'Sec-Fetch-Site: same-site' \
  -H 'User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.108 Safari/537.36' \
  -H 'cache-control: no-cache,no-cache' \
  -H 'timezone: Asia/Singapore'
```

Response :
200 OK

```
[
  {
    "id": 27991,
    "route_id": null,
    "driver_id": 1608,
    "hub_id": null,
    "hub_name": null,
    "amount_collected": 12.57,
    "expected_amount": null,
    "total_collected": null,
    "receipt_no": "#354701-20191212105250521",
    "type": "Cash",
    "inbouded_by": 397,
    "inbouded_by_name": "Automation First Name Automation Last Name / automation@ninjavan.co",
    "created_at": "2019-12-12 02:52:57"
  },
  {
    "id": 27993,
    "route_id": null,
    "driver_id": 1608,
    "hub_id": null,
    "hub_name": null,
    "amount_collected": 12.57
  }
]
```

Data from DB :
3 rows in cod_inbounds with null route_id



Success case,
paginated

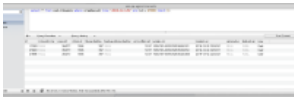
last_id = 27989, max_result = 3
Request :

```
curl -X GET \
  'https://api-qa.ninjavan.co/sg/core/codinbounds?start=2019-12-11%2016%3A00%3A00&end=2019-12-12%2015%3A59%3A59&last_id=27989&max_result=3' \
  -H 'Accept: application/json, text/plain, */*' \
  -H 'Accept-Encoding: gzip, deflate, br' \
  -H 'Accept-Language: en-US,en;q=0.9,id;q=0.8' \
  -H 'Authorization: Bearer GE5fiUpDt7dRYM8pSrKGegnnMg25lTwV' \
  -H 'Cache-Control: no-cache' \
  -H 'Connection: keep-alive' \
  -H 'Host: api-qa.ninjavan.co' \
  -H 'Origin: https://operatorv2-qa.ninjavan.co' \
  -H 'Postman-Token: 30221b36-ebc8-42cd-bfa8-4f13315151ff,e9502739-5def-4c94-8593-87c9c82219e9' \
  -H 'Referer: https://operatorv2-qa.ninjavan.co/' \
  -H 'Sec-Fetch-Mode: cors' \
  -H 'Sec-Fetch-Site: same-site' \
  -H 'User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.108 Safari/537.36' \
  -H 'cache-control: no-cache' \
  -H 'timezone: Asia/Singapore'
```

Response :
200 OK

```
[
  {
    "id": 27991,
    "route_id": 354701,
    "driver_id": 1608,
    "hub_id": 381,
    "hub_name": "OPV2-SG-HUB",
    "amount_collected": 12.57,
    "expected_amount": 23.57,
    "total_collected": 37.71,
    "receipt_no": "#354701-20191212105250521",
    "type": "Cash",
    "inbouded_by": 397,
    "inbouded_by_name": "Automation First Name Automation Last Name / automation@ninjavan.co",
    "created_at": "2019-12-12 02:52:57"
  },
  {
    "id": 27993,
    "route_id": 354701,
    "driver_id": 1608,
    "hub_id": 381,
    "hub_name": "OPV2-SG-HUB",
    "amount_collected": 12.57
  }
]
```

Data from DB :
3 rows in cod_inbounds



last_id = 27991, max_result = 5

Request :

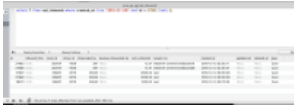
```
curl -X GET \
  'https://api-qa.ninjavan.co/sg/core/codinbounds?start=2019-12-11%2016%3A00%3A00&end=2019-12-12%2015%3A59%3A59&last_id=27991&max_result=5' \
  -H 'Accept: application/json, text/plain, */*' \
  -H 'Accept-Encoding: gzip, deflate, br' \
  -H 'Accept-Language: en-US,en;q=0.9,id;q=0.8' \
  -H 'Authorization: Bearer GE5fiUpDt7dRYM8pSrKGegnnMg25lTwV' \
  -H 'Cache-Control: no-cache' \
  -H 'Connection: keep-alive' \
  -H 'Host: api-qa.ninjavan.co' \
  -H 'Origin: https://operatorv2-qa.ninjavan.co' \
  -H 'Postman-Token: b5c12524-b4f8-4508-a0d7-8759a9888b3c,8ff3ce76-d1ca-4e34-a950-1060ad0d0a3f' \
  -H 'Referer: https://operatorv2-qa.ninjavan.co/' \
  -H 'Sec-Fetch-Mode: cors' \
  -H 'Sec-Fetch-Site: same-site' \
  -H 'User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.108 Safari/537.36' \
  -H 'cache-control: no-cache' \
  -H 'timezone: Asia/Singapore'
```

Response :

```
[
  {
    "id": 27993,
    "route_id": 354701,
    "driver_id": 1608,
    "hub_id": 381,
    "hub_name": "OPV2-SG-HUB",
    "amount_collected": 12.57,
    "expected_amount": 23.57,
    "total_collected": 37.71,
    "receipt_no": "#354701-20191212105302619",
    "type": "Cash",
    "inbounced_by": 397,
    "inbounced_by_name": "Automation First Name Automation Last Name / automation@ninjavan.co",
    "created_at": "2019-12-12 02:53:11"
  },
  {
    "id": 27995,
    "route_id": 354701,
    "driver_id": 1608,
    "hub_id": 381,
    "hub_name": "OPV2-SG-HUB",
    "amount_collected": 12.57
  }
]
```

Data from DB :

5 rows in cod_inbounds



Unrecognised
date format
case

Start is unformatted date

Request :

```
curl -X GET \
  'https://api-qa.ninjavan.co/sg/core/codinbounds?start=2019-12-dd%2016%3A00%3A00&end=2019-12-12%2015%3A59%3A59&last_id=27991&max_result=5' \
  -H 'Accept: application/json, text/plain, */*' \
  -H 'Accept-Encoding: gzip, deflate, br' \
  -H 'Accept-Language: en-US,en;q=0.9,id;q=0.8' \
  -H 'Authorization: Bearer GE5fiUpDt7dRYM8pSrKGegnnMg25lTwV' \
  -H 'Cache-Control: no-cache' \
  -H 'Connection: keep-alive' \
  -H 'Host: api-qa.ninjavan.co' \
  -H 'Origin: https://operatorv2-qa.ninjavan.co' \
  -H 'Postman-Token: 52263ea7-327d-4c4f-b6bc-12c2b4244d63,90e73c7e-a851-416e-8801-1604a134c108' \
  -H 'Referer: https://operatorv2-qa.ninjavan.co/' \
  -H 'Sec-Fetch-Mode: cors' \
  -H 'Sec-Fetch-Site: same-site' \
  -H 'User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.108 Safari/537.36' \
  -H 'cache-control: no-cache' \
  -H 'timezone: Asia/Singapore'
```

Response :

400 Bad Request


```
{
  "code": 103053,
  "nvErrorCode": "SERVER_ERROR_EXCEPTION",
  "messages": [
    "Unparseable date: \"2019-12-dd 16:00:00\""
  ],
  "application": "core",
  "description": "DATE_PARSE_EXCEPTION",
  "data": {
    "message": "Unparseable date: \"2019-12-dd 16:00:00\""
  }
}
```

End is unformatted

Request :

```
curl -X GET \
  'https://api-qa.ninjavane.co/sg/core/codinbounds?start=2019-12-12%2016%3A00%3A00&end=2019-mm-12%2015%3A59%3A59&last_id=27991&max_result=5' \
  -H 'Accept: application/json, text/plain, */*' \
  -H 'Accept-Encoding: gzip, deflate, br' \
  -H 'Accept-Language: en-US,en;q=0.9,id;q=0.8' \
  -H 'Authorization: Bearer GE5fiUpDt7dRYM8pSrKGegnnMg25lTwV' \
  -H 'Cache-Control: no-cache' \
  -H 'Connection: keep-alive' \
  -H 'Host: api-qa.ninjavane.co' \
  -H 'Origin: https://operatorv2-qa.ninjavane.co' \
  -H 'Postman-Token: 2ba15b27-c946-4095-8230-58c30eaa7366,33201326-6bd7-4749-acf3-44daaf1f6ac1' \
  -H 'Referer: https://operatorv2-qa.ninjavane.co/' \
  -H 'Sec-Fetch-Mode: cors' \
  -H 'Sec-Fetch-Site: same-site' \
  -H 'User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.108 Safari/537.36' \
  -H 'cache-control: no-cache' \
  -H 'timezone: Asia/Singapore'
```

Response :

400 Bad Request

```
{
  "code": 103053,
  "nvErrorCode": "SERVER_ERROR_EXCEPTION",
  "messages": [
    "Unparseable date: \"2019-mm-12 15:59:59\""
  ],
  "application": "core",
  "description": "DATE_PARSE_EXCEPTION",
  "data": {
    "message": "Unparseable date: \"2019-mm-12 15:59:59\""
  }
}
```

Negative
max_result
case

Request :

```
curl -X GET \
  'https://api-qa.ninjavane.co/sg/core/codinbounds?start=2019-12-12%2006%3A09%3A28&end=2019-12-12%2006%3A09%3A59&last_id=0&max_result=-1' \
  -H 'Accept: application/json, text/plain, */*' \
  -H 'Accept-Encoding: gzip, deflate, br' \
  -H 'Accept-Language: en-US,en;q=0.9,id;q=0.8' \
  -H 'Authorization: Bearer GE5fiUpDt7dRYM8pSrKGegnnMg25lTwV' \
  -H 'Cache-Control: no-cache' \
  -H 'Connection: keep-alive' \
  -H 'Host: api-qa.ninjavane.co' \
  -H 'Origin: https://operatorv2-qa.ninjavane.co' \
  -H 'Postman-Token: eaf60be8-26af-405a-859c-f9a1f75b89b7,5e8a07ab-d870-4a7f-895b-3b0b91999c0c' \
  -H 'Referer: https://operatorv2-qa.ninjavane.co/' \
  -H 'Sec-Fetch-Mode: cors' \
  -H 'Sec-Fetch-Site: same-site' \
  -H 'User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10_14_0) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/78.0.3904.108 Safari/537.36' \
  -H 'cache-control: no-cache' \
  -H 'timezone: Asia/Singapore'
```

Response :

400 Bad Request

```
{
  "code": 103080,
  "nvErrorCode": "SERVER_ERROR_EXCEPTION",
  "messages": [
    "maxResult should not be negative. Given: -1"
  ],
  "application": "core",
  "description": "BAD_REQUEST_EXCEPTION",
}
```

	<pre>"data": { "message": "maxResult should not be negative. Given: -1" }</pre>
Load testing, non-paginated	<p>Request :</p> <pre>curl -X GET \ 'https://api-qa.ninjava.co.sg/core/codinbounds?start=2019-12-16%2016:00:00&end=2019-12-19%2011:59:59&last_id=0&max_result=15000' \ -H 'Accept: */*' \ -H 'Accept-Encoding: gzip, deflate' \ -H 'Authorization: Bearer St1ozvQ3HJtLyNavvuBiswZMnfzSZp6J' \ -H 'Connection: keep-alive' \ -H 'Host: api-qa.ninjava.co' \ -H 'Postman-Token: d9688194-134f-49dc-a523-780a79c90a80,cfbebd2d-04d7-4cff-a298-624e079353ed' \ -H 'User-Agent: PostmanRuntime/7.20.1' \ -H 'cache-control: no-cache,no-cache'</pre> <p>Response :</p> <pre>{ { "id": 30581, "route_id": 358171, "driver_id": 1608, "hub_id": 381, "hub_name": "OPV2-SG-HUB", "amount_collected": 12.57, "expected_amount": 0, "total_collected": 12.57, "receipt_no": "#358171-20191217051226529", "type": "Cash", "inbounded_by": 397, "inbounded_by_name": "Automation First Name Automation Last Name / automation@ninjava.co", "created_at": "2019-12-16 21:12:34" }, { "id": 30585, "route_id": 358181, "driver_id": 1608, "hub_id": 381, "hub_name": "OPV2-SG-HUB", "amount_collected": 12.57 } }</pre> <p>average response time about 13 secs</p> 
Load testing, paginated	<p>Request :</p> <pre>curl --location --request GET 'https://api-qa.ninjava.co.sg/core/codinbounds?start=2019-12-16%2016:00:00&end=2019-12-19%2011:59:59&last_id=41097&max_result=5000' \ --header 'Authorization: Bearer dXZ2a7dp62Y3CXcm3e3GggCbWee3pvl' \ --header 'cache-control: no-cache,no-cache'</pre> <p>Response :</p> <pre>{ { "id": 41099, "route_id": 363637, "driver_id": 1022055, "hub_id": 1, "hub_name": "JKB", "amount_collected": 2.5E+2, "expected_amount": 5E+2, "total_collected": 2.5E+2, "receipt_no": "#test", "type": "Cash", "inbounded_by": 397, "inbounded_by_name": "Automation First Name Automation Last Name / automation@ninjava.co", "created_at": "2019-12-18 03:17:06" }, { "id": 41101,</pre>

[illegible]

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