Data Standards Body
Technical Working Group

Decision 018 – Administration End Points

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Context

In the light of other decisions in the CDR standards as well as the emerging design of the CDR Registry there are a number of administration end points that need to be implemented by Data Holders to facilitate the operational management of the CDR regime. This decision articulates a the standards for these end points.

Decision To Be Made

Determine the URIs, HTTP methods and payloads for the API end points to allow the regulator to administer the Consumer Data Right regime.

Feedback Provided

The original proposal and the associated feedback can be found at:
https://github.com/ConsumerDataStandardsAustralia/open-banking/issues/18

The majority of feedback related to specifics around the metrics and clarification of how they should be measured. This feedback has been accommodated or clarified where appropriate. Feedback that was considered inconsistent with the previous NFR decision was not accommodated.

Decision For Approval

The sections below contain details of the end points to be included in the standards. Each end point identifies the HTTP Method, URI and payloads associated with each end point.

Discoverability End Points Summary

A summary of the account end points:
- POST   /admin/registry/metadata
- GET   /admin/metrics

Note that these end points are expected to be available under the base URI for the version of the CDR standards being made available as per the URI structure standard. For example:

> https://<provider path>/api/cds-au/v1/admin/metrics

The decision regarding the ability to define a separate provider base path for these URIs will be deferred to the metadata design for the ACCC Register. In the absence of this decision it is assumed that these APIs will be accessible on a separate base path to allow for distinct security policies to be applied.

Only the ACCC will be able to access these end points using an authentication mechanism to be specified by the ACCC and in alignment with the CDR Information Security profile. At the time of this decision this is understood to imply that the ACCC client application will be authenticated using JWT and that MTLS will be used for transaction security.

Administration End Points & Payloads

Metadata Cache Refresh

This end point will allow the ACCC to indicate to the Data Holder that there has been an important change to the metadata for Data Recipients and that the Data Holder should immediately seek to obtain this updated information using the mechanism defined by the ACCC Register design.

A call to this end point does not indicate that the full cache of metadata held by the Data Holder is invalidated, only that new information is available and should be requested.

It is not expected that a call to this end point should be synchronised with the cache refresh action. A successful response to a call to this end point indicates that the Data Holder acknowledges the need to obtain the refreshed metadata, not that that the refresh has been successfully completed.

Title	Indicate that a critical update to the metadata for Accredited Data Recipients has been made and should be obtained
HTTP Method	POST
URI	/admin/registry/metadata
Security Scope	Private to ACCC only
Pagination	Not Supported
Specific Errors	Not supported – No specific error payloads expected to be returned
Path Parameters	None
Query Parameters	None

Request Payload

Field	Type	Mandatory	Description
data	Object	Mandatory	
{			
action	String	Mandatory	The action to take for the meta data. At the moment the only option is "REFRESH" which requires the holder to call the ACCC to refresh meta data as soon as practicable. Valid values are: • REFRESH
}			
meta	Object	Optional	
{			

Field	Type	Mandatory	Description
}			

Response Payloads

Not applicable. Only HTTP response codes are expected.

Retrieve Statistics

This end point allows the ACCC to obtain operational statistics from the Data Holder on the operation of their CDR compliant implementation. The statistics obtainable from this end point are determined by the non-functional requirements for the CDR regime.

Title	Obtain operational statistics on the CDR implementation
HTTP Method	GET
URI	/admin/metrics
Security Scope	Private to ACCC Only
Pagination	Not Supported
Specific Errors	Not supported – No specific error payloads expected to be returned
Path Parameters	None
Query Parameters	**period** The period of metrics to be requested. Values can be CURRENT_DAY (meaning metrics for current day), HISTORIC (meaning metrics for previous days or months) or ALL. If absent the default is ALL.

Request Payload

Not applicable

Response Payloads

HTTP Response Code: 200 OK

Notes applicable to this response:

- All conditional fields are mandatory only if metrics of that class align with the filters in the query parameters.
- AEST should be used to define the day boundary when collecting metrics.

Field	Type	Mandatory	Description
data	Object	Mandatory	
{			
requestTime	DateTimeString	Mandatory	The date and time that the metrics in this payload were requested.
availability	Object	Conditional	Percentage availability of the CDR platform over time
{			

Field	Type	Mandatory	Description
currentMonth	Number	Conditional	Percentage availability of the CDR platform so far for the current calendar month. 0.0 means 0%. 1.0 means 100%.
previousMonths	Array[Number]	Conditional	Percentage availability of the CDR platform for previous calendar months. The first element indicates the last month and so on. A maximum of twelve entries is required if available. 0.0 means 0%. 1.0 means 100%.
}			
performance	Object	Conditional	Percentage of calls within the performance thresholds
{			
currentDay	Number	Conditional	Percentage of calls within the performance threshold for the current day. 0.0 means 0%. 1.0 means 100%.
previousDays	Array[Number]	Conditional	Percentage of calls within the performance threshold for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available. 0.0 means 0%. 1.0 means 100%.
}			
invocations	Object	Conditional	Number of API calls in each performance tier over time
{			
unauthenticated	Object	Conditional	API call counts for the unauthenticated tier
{			
currentDay	Number	Conditional	API call counts for current day
previousDays	Array[Number]	Conditional	API call counts for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
highPriority	Object	Conditional	API call counts for the high priority tier
{			
currentDay	Number	Conditional	API call counts for current day

Field	Type	Mandatory	Description
previousDays	Array[Number]	Conditional	API call counts for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
lowPriority	Object	Conditional	API call counts for the low priority tier
{			
currentDay	Number	Conditional	API call counts for current day
previousDays	Array[Number]	Conditional	API call counts for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
unattended	Object	Conditional	API call counts for the unattended tier
{			
currentDay	Number	Conditional	API call counts for current day
previousDays	Array[Number]	Conditional	API call counts for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
largePayload	Object	Conditional	API call counts for the large payload tier
{			
currentDay	Number	Conditional	API call counts for current day
previousDays	Array[Number]	Conditional	API call counts for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
}			
averageResponse	Object	Conditional	Average response time in seconds, at millisecond resolution, within each performance tier
{			

Field	Type	Mandatory	Description
unauthenticated	Object	Conditional	Average response time for the unauthenticated tier
{			
currentDay	Number	Conditional	Average response time for current day
previousDays	Array[Number]	Conditional	Average response time for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
highPriority	Object	Conditional	Average response time for the high priority tier
{			
currentDay	Number	Conditional	Average response time for current day
previousDays	Array[Number]	Conditional	Average response time for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
lowPriority	Object	Conditional	Average response time for the low priority tier
{			
currentDay	Number	Conditional	Average response time for current day
previousDays	Array[Number]	Conditional	Average response time for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
unattended	Object	Conditional	Average response time for the unattended tier
{			
currentDay	Number	Conditional	Average response time for current day
previousDays	Array[Number]	Conditional	Average response time for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.

Field	Type	Mandatory	Description
}			
largePayload	Object	Conditional	Average response time for the large payload tier
{			
currentDay	Number	Conditional	Average response time for current day
previousDays	Array[Number]	Conditional	Average response time for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
}			
sessionCount	Object	Conditional	Session counts over time. Note that a session is defined as the provisioning of an Access Token.
{			
currentDay	Number	Conditional	Session count for current day
previousDays	Array[Number]	Conditional	Session count for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
averageTps	Object	Conditional	Transactions per second over time
{			
currentDay	Number	Conditional	Average TPS for current day
previousDays	Array[Number]	Conditional	Average TPS for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
peakTps	Object	Conditional	Maximum record transactions per second over time
{			
currentDay	Number	Conditional	Peak TPS for current day

Field	Type	Mandatory	Description
previousDays	Array[Number]	Conditional	Peak TPS for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
errors	Object	Conditional	Number of calls resulting in error due to server execution over time
{			
currentDay	Number	Conditional	Number of errors for current day
previousDays	Array[Number]	Conditional	Number of errors for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
rejections	Object	Conditional	Number of calls rejected due to traffic thresholds over time
{			
currentDay	Number	Conditional	Number of calls rejected for current day
previousDays	Array[Number]	Conditional	Number of calls rejected for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
customerCount	Integer	Conditional	Number of customers with active authorisations at the time of the call
recipientCount	Integer	Conditional	Number of data recipients with active authorisations at the time of the call
}			
links	Object	Mandatory	
{			
self	URI	Mandatory	Fully qualified link to this API call
}			
meta	Object	Optional	
{			

Field	Type	Mandatory	Description
}			