

Data Standards Body Technical Working Group

Decision Proposal 018 – Administration End Points

Contact: James Bligh

Publish Date: 15th May 2019

Feedback Conclusion Date: 22nd May 2019

Context

In the light of other decisions in the CDR standards as well as the emerging design of the ACCC CDR Register 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 proposal articulates a proposal 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.

Identified Options

Rather than provide different high level options for the API end points a recommendation is given with an expectation that each specific end point, and associated payloads, is an option to be considered for inclusion or exclusion.

Current Recommendation

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.

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/register/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: <ul style="list-style-type: none">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 (meaning immediate metrics), 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

Note that all conditional fields are mandatory only if metrics of that class align with the filters in the query parameters.

Field	Type	Mandatory	Description
data	Object	Mandatory	
{			
availability	Object	Conditional	Percentage availability of the CDR platform over time
{			
currentMonth	Number	Conditional	Percentage availability of the CDR platform so far for the current calendar month. 0.0 means 0%. 1.0 means 100%.

Field	Type	Mandatory	Description
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	PositiveInteger	Conditional	API call counts for current day
previousDays	Array[PositiveInteger]	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	PositiveInteger	Conditional	API call counts for current day
previousDays	Array[PositiveInteger]	Conditional	API call counts for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.

Field	Type	Mandatory	Description
}			
lowPriority	Object	Conditional	API call counts for the low priority tier
{			
currentDay	PositiveInteger	Conditional	API call counts for current day
previousDays	Array[PositiveInteger]	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	PositiveInteger	Conditional	API call counts for current day
previousDays	Array[PositiveInteger]	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	PositiveInteger	Conditional	API call counts for current day
previousDays	Array[PositiveInteger]	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
{			
unauthenticated	Object	Conditional	Average response time for the unauthenticated tier
{			

Field	Type	Mandatory	Description
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.
}			
largePayload	Object	Conditional	Average response time for the large payload tier

Field	Type	Mandatory	Description
{			
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
{			
currentDay	PositiveInteger	Conditional	Session count for current day
previousDays	Array[PositiveInteger]	Conditional	Session count for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.
}			
tps	Object	Conditional	Transactions per second over time
{			
current	Number	Conditional	TPS at the time of the call
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.
}			
errors	Object	Conditional	Number of calls resulting in error due to server execution over time
{			
currentDay	PositiveInteger	Conditional	Number of errors for current day
previousDays	Array[PositiveInteger]	Conditional	Number of errors for previous days. The first element indicates yesterday and so on. A maximum of seven entries is required if available.

Field	Type	Mandatory	Description
}			
rejections	Object	Conditional	Number of calls rejected due to traffic thresholds over time
{			
currentDay	PositiveInteger	Conditional	Number of calls rejected for current day
previousDays	Array[PositiveInteger]	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
recipientCount	Integer	Conditional	Number of data recipients with active authorisations
}			
links	Object	Mandatory	
{			
self	URI	Mandatory	Fully qualified link to this API call
}			
meta	Object	Optional	
{			
}			