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Connect API

Details of Error Response Updates – August 2021

Connect API

Error Response Updates

Due to a change in our underlying API platform technology, we are updating some of our error message responses for invalid requests.

These scenarios are unlikely to be invoked or handled explicitly in your integration, as they only concern badly formed requests (that have little-to-no purpose in an integration) that have always been incorrect and will unlikely ever generate the correct response without changing the nature of the request.

The errors are likely to be encountered only during your development phase and not through expected error scenarios (such as a failed report, or no search results). You should check that you are not relying on any of these scenarios in your integration as the response may change.

The following changes are due to be applied to the Sandbox environment in early-mid August 2021 and on Production in September 2021.

1. Extraneous/trailing forward slashes on resources are now ignored. A consequence of this is that any empty sub-resource will invoke the parent resource instead. i.e. baseurl/resourceA/ will now invoke "baseurl/resourceA" (without the forward slash) instead of failing with a "/resourceA/" (including the forward slash) is not found error.

Previous Behaviour: A 404 error would be thrown stating that the resource "/resourceA/" is not found.

```
/decisionEngine/usageLog/ -> invalid resource / resource not found
```

New Behaviour: The forward slash is ignored and "/resourceA" is called.

```
/decisionEngine/usageLog -> calls the usageLog endpoint
```

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2. Unexpected/constrained values are no longer explicitly mentioned in an error response, a generic "invalid value" response is thrown instead.

i.e. if a parameter validates values "Integers smaller than 10", but "11" has been provided in error, the error will no longer explicitly state "11 is an invalid value", it will now state "An invalid value has been provided".

Previous Behaviour: Invalid/unexpected value is mentioned in the Error Response

```
{

    "message": "Bad request",

    "details": "Invalid value '800' for query parameter matchThreshold. Expected minimum value 890"

}
```

New Behaviour: The same error is thrown without explicitly mentioning the invalid/unexpected value in the error details.

```
{

    "message": "Bad Request",

    "details": "Invalid value for query parameter matchThreshold. Expected minimum value 890"

}
```

3. Extends the logic of 2) to include erroneous field names in a request payload.

Previous Behaviour: Invalid/unexpected Fields are explicitly mentioned in the Error Response

```json
{

    "details": "Error validating JSON. Error: - Unexpected key 'urgency'. Options are :
\"chargeReference\" or \"consent\" or \"contactInfo\" or \"searchCriteria\"- Unexpected key
'accessRights'. Options are : \"chargeReference\" or \"consent\" or \"contactInfo\" or
\"searchCriteria\"- Unexpected key 'customData'. Options are : \"chargeReference\" or \"consent\" or
\"contactInfo\" or \"searchCriteria\"- Unexpected key 'vatNo'. Options are : \"additionalInfo\" or
\"address\" or \"countryCode\" or \"name\" or \"regNo\" or \"telephoneNumber\"",

    "correlationId": "e217f3b0-d5cb-11eb-a96b-064192ca036b",

    "message": "Bad request"

}
```

New Behaviour: A generic error response will be thrown indicating that there were unexpected fields in the request payload (without naming them).

```json
{

    "details": "Invalid request. Unexpected fields in payload.",

    "correlationId": "ee53b572-03c1-478e-b638-395722915496",

    "message": "Bad Request"

}
```

4. Missing path parameters will now throw a specification validation exception

```
PUT /protect/profiles/{id}/investigations/{investigationId} -> correct request.
```

```
PUT /protect/profiles//investigations/{investigationId} -> erroneous request with missing path
parameter.
```

Previous Behaviour: The request fails and a 404 Resource Not Found error is thrown.

Status Code 400

```json
{
    "details": "/protect/profiles/investigations/192cb760-73d5-47f3-8992-ef0494b13a7a",
    "correlationId": "90cdf310-d4fe-11eb-a96b-064192ca036b",
    "message": "Resource not found"
}
```

New Behaviour: The schema validation recognises a missing path parameter and responds with a 400 Bad Request.

Status Code 400

```json
{
    "correlationId": "080453b3-b6ca-4916-b2e9-05e42337edad",
    "message": "Bad Request",
    "details": "Missing required request parameters: [id]"
}
```

5. API responses always return a correlationId as a response header.

Previous Behaviour:

Only a certain set of endpoints return a correlationId in the response body.

New Behaviour:

The existing response structure will be maintained as above, however every endpoint will now return a correlationId in the new response header, x-cid. For endpoints that already returned a correlationId, both the response body and header will be returned (and will be identical). This was designed to give every response a correlationId without introducing an interface breaking change.

Recently Added

6. There is an additional behavioral difference that the change of Connect technology platform will bring. Again, it is a difference in handling in a negative scenario. Details are below:

Default values applied to optional parameters when values are empty

> Any parameters which are optional but also have a default value, so when an empty parameter is passed into the API the default parameter will be used in the new platform if a default value is set. On the existing platform, such a scenario would return a HTTP 400 error response.

> Example: https://p-fi.apps-dev.creditsafe.com/v1/api/freshinvestigations?page=

Recently Added

Australian Data Supplier Change

Creditsafe are enhancing their Australian data by offering an enriched dataset through an alternative data source. There will also be some data, mostly on the Sole Proprietor report, that will be removed.

If you require the documentation detailing the changes in data for Australia please reach out to the following depending on what API you are integrated into (Connect: Connect@creditsafe.com or GGS: GGS.Integration@creditsafe.com).

The new Australian data feed will be available on the Connect Sandbox environment and on the test GGS 1.3 API on early September. A further communication will be sent out once this update in Sandbox has occurred.

The live/production switch over is anticipated to go ahead on Tuesday 14th September.