Mapping API Response Handling

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HTTP Status Codes

Below is a detailed outline of the status codes and messages used in the API.

Status Code	Message	Description
200	Success	• Used for general success. • Used when a POST operation results in the creation of a new resource (such that response should contain URI of newly created resource).
202	Accepted	• Used to indicate that the message has been received, but processing may not yet be finished.
204	No Content	• Used for success when there is no response body to return.
400	Bad Request	• Used when one or more parameters are invalid. • Used when one or more required parameters are missing. • Used when the JSON payload is not valid JSON.
401	Unauthorized	• Used when the operation fails authorization checks.
403	Forbidden	• Used when the operation fails security checks (e.g. wrong app ID specified as input to retrieve specific data).
404	Not Found	• Used when the requested resource does not exist (e.g. app ID).
406	Not Acceptable	• Used when the content type passed in the request is not 'application/json'.
423	Locked	• Used to indicate that the resources is locked, such as during a process that takes longer than typical http response times, like route reset operations.
500	Internal Server Error	• Used when the (internal) server is down.

Error Payloads

Each failed response will include a JSON payload that includes the error code number and message:

400

The actual message for this "Bad Request" error will vary depending on whether the error was caused by bad data sent in the request, a validation error when validating the request data or any other generic request error.

```
{
    "error":
  {
        "code": 400,
        "message": <error string>
    }
}
```

401

The actual message for this "Unauthorized" error will vary. The error string below will be one of the following:

- "Missing X-Auth header."
- "Auth header contains <num> parts; must be 3."
- "The request time is too far in the future (<num> seconds)."
- "The request time is too far in the past (<num> seconds)."
- "Invalid access key."
- "This access key has not been activated yet."
- "Could not decrypt the request."
- "Invalid signature."

```
{
    "error":
  {
        "code": 401,
        "message": <error string>
    }
}
```

403

The actual message for this "Forbidden" error will vary.

```
{
    "error":
 {
        "code": 403,
        "message": <error string>
    }
}
```

404

The actual message for this "Not Found" error will vary depending on what could not be found.

```
{
    "error":
 {
        "code": 404,
        "message": <error string>
    }
}
```

406

The actual message for this "Not Acceptable" error will vary.

```
{
    "error":
 {
        "code": 406,
        "message": <error string>
    }
}
```

423

```
{
    "data":
 {
        "code": 423,
        "message": "Resource locked."
    }
}
```

500

```
{
    "data":
 {
        "code": 500,
        "message": An unknown error occurred.
    }
}
```