



# Responses

**BigML.io** uses conventional HTTP response codes to indicate success or failure of every API request. For example, the response below shows the headers you should expect after creating a new resource.

bash

```
HTTP/1.1 201 CREATED
Server: nginx/1.0.5
Date: Sat, 03 Mar 2012 23:28:59 GMT
Content-Type: application/json; charset=utf-8
Transfer-Encoding: chunked
Connection: keep-alive
Location: https://bigml.io/andromeda/dataset/4f5a59b203ce8945c200000a
```

All response content from **BigML.io**, including errors, are **JSON** formatted. For convenience's sake, each JSON response has a key named "code" that matches the HTTP response code. For example, after successfully creating a new source, **BigML.io** will send back a JSON response like the one below, with the HTTP "201 Created" code.

json

```
{
  "code": 201,
  "columns": 5,
  "created": "2012-03-03T23:28:59.404542",
  "fields": {
    "000000": {
      "column_number": 0,
      "name": "sepal length",
      "optype": "numeric"
    },
    "000001": {
      "column_number": 1,
      "name": "sepal width",
      "optype": "numeric"
    }
  }
}
```

## Error Codes

Errors also use conventional HTTP response headers. For example, here is the header for a 404 response:

bash

```
HTTP/1.1 404 NOT FOUND
Content-Type: application/json; charset=utf-8
Date: Fri, 03 Mar 2012 23:29:18 GMT
Server: nginx/1.1.11
Content-Length: 169
Connection: keep-alive
```

In the body of the error response, the JSON formatted messages include a key named **code** that matches the response code in HTTP header. Additionally, JSON includes a **status** field. The status gives you more information about the type of error. It includes a second more specific error **code** and a **message** that gives a human readable explanation of what caused the error. You can get the full list of error codes in the [Status Codes](#) section. For example, if you try to access to a resource that does not exist you will get a response like the following one.

json

```
{
  "code": 404,
  "status": {
    "code": -1201,
    "extra": [
      "4f5157f1035d07306600005b"
    ],
    "message": "Id does not exist"
  }
}
```

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