# GraphQL API

***GraphQL API can use to request to the server and get the exact data you need, and therefore limit the number of requests you need.***

## GraphQL API

| **Item** | **Value** |
| --- | --- |
| Icon |  |
| Display Name | **GraphQL API** |

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## Version Control

* 4.822.1124
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## Input (Required)

| **Display Name** | **Parameters** | **Output** |
| --- | --- | --- |
| URI | Server URL | str(data) |
| Query | Query String |  |
| Headers | Content-Type header Authorization header Other headers |  |
|  |  |  |
| URI | Server URL | str(data) |
| Query | Query String |  |
| Variables | Variables String |  |
| Headers | Content-Type header Authorization header Other headers |  |

## Return Value

### Normal Case

Description of the output result

## Return Code

|  |  |  |
| --- | --- | --- |
| **Code**  | **Status**  | **Description**  |
| 0 | response code 200 | success  |
| 1 | response code 1xx | **100 Continue** The initial part of a request has been received and has not yet been rejected by the server. The server intends to send a final response after the request has been fully received and acted upon.**101 Switching Protocols** Switching to a newer version of HTTP might be advantageous over older versions**102 Processing** The server has received and is processing the request. It indicates that no response is available yet.**103 Early Hints** This code is used to return the headers of some responses before the final HTTP message. |
| 3 | response code 3xx | **300 Multiple Choices** This code is used to indicate that the multiple options for the resource from whichthe client may choose.**301 Moved Permanently** This code shows that the URL of the requested resource has been changed permanently.In response, the new URL gives.**302 Found** The requested page has moved temporarily to a new URL.**303 See Other** The requested page can be found under another URL using the GET method.**304 Not Modified** It shows the client that the response has not been modified, so the client can continue to use the same response`s cached version.**307 Temporary Redirect** The requested page has moved temporarily to a new URL.**308 Permanent Redirect** The requested page has moved permanently to a new URL. |
| 4 | response code 4xx | **400 Bad Request** This code is used to indicate that the server did not understand the request due to invalid syntax.**401 Unauthorized** In this code, the requested page needs a username and password or token.**402 Payment Required** This code reserved for future use.**403 Forbidden** The access is forbidden to the requested page.**404 Not Found** The server cannot find the requested page.**405 Method Not Allowed** It shows that the request method is not supported for the requested resource.**406 Not Acceptable** The server can only generate a resource that the client does not accept.**407 Proxy Authentication Required** It is used to show that the client must first authenticate itself with the proxy.**408 Request Timeout** The request took longer than the server was prepared to wait.**409 Conflict** The request could not be completed due to a conflict(POST to create a new contactif the contact already exists) with the current state of the target resource.**410 Gone** The target resource is no longer available at the origin server and that this condition is likely to be permanent.**411 Length Required** The server refuses to accept the request without a defined Content-Length**412 Precondition Failed** One or more conditions given in the request header fields evaluated to false when tested on the server.**413 Payload Too Large** The server is refusing to process a request because the body of your request and response message is larger than the server is willing or able to process.**414 URI Too Long** The server is refusing to service the request because the request-target is longer than the server is willing to interpret.**415 Unsupported Media Type** The origin server is refusing to service the request because the body of your request and response message is in a format not supported by this method on the target resource.**416 Range Not Satisfiable** This status code is generated in response to a byte-range request, the sender SHOULD generate a Content-Range(in a full body message a partial message belongs) header field specifying the current length of the selected representation**417 Expectation Failed** The server cannot meet the requirements of the Expect request-header field.**418 I`m a teapot** The requests they don’t want to handle, such as automated queries.**422 Unprocessable Entity** The server understands the content type of the request entity,and the syntax of the request entity is correct but was unable to process the contained instructions.**425 Too Early** The server is unwilling to risk processing a request that might be replayed, which creates the potential for a replay attack.**426 Upgrade Required** The server refuses to perform the request using the current protocol but might be willing to do so after the client upgrades to a different protocol.**428 Precondition Required** The origin server requires the request to be only happens if something else is done or happens first.**429 Too Many Requests** The user has sent too many requests in a given amount of time.**431 Request Header Fields Too Large** The server is unwilling to process the request because its header fields are too large.The request MAY be resubmitted after reducing the size of the request header fields.**451 Unavailable For Legal Reasons** The server is denying access to the resource as a consequence of a legal demand. |
| 5 | response code 5xx | **500 Internal Server Error** The server has encountered a situation, and it does not know how to handle it.**501 Not Implemented** This code shows that the request was not completed, and the server did not support the inputs to the software system.**502 Bad Gateway** This code shows that the request was not completed, and the server received an invalid response from the upstream server(a server that provides service to another server).**503 Service Unavailable** This code shows that the request was not completed, and the server is temporarily overloading or down.**504 Gateway Timeout** It shows that the gateway has timed out.**505 HTTP Version Not Supported** The server does not support the "http protocol" version.**506 Variant Also Negotiates** The server has an internal configuration error: the chosen variant resource is configured to engage in transparent content negotiation itself, and is therefore not a proper end point(url) in the negotiation process.**507 Insufficient Storage** Method could not be performed on the resource because the server is unable to store the representation needed to successfully complete the request.**508 Loop Detected** The server terminated an operation because it encountered an infinite loop while processing a request with “Depth: infinity”. This status indicates that the entire operation failed.**510 Not Extended** The policy for accessing the resource has not been met in the request. The server should send back all the information necessary for the client to issue an extended request.**511 Network Authentication Required** The client needs to authenticate to gain network access. |
| 11 |  | Failure (Invalid Input) |
| 9 |  | Exceptional case |

## Output Format

You may choose one of 3 output formats below,

* String (default)
* CSV
* File

## Parameter setting examples (diagrams)

## Operations

### Query API:

