# 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:

