

How to use Query Parameters in Service Suite?

Query parameters are values added to the URL after the `?` character. They are commonly used to provide optional parameters or filters to an API request.

In Service Suite, you can construct a URL dynamically using JavaScript string concatenation and variables.

Example

The following example uses `$clientNumber` as a query parameter in a GET request. It also adds a timestamp as a cache-busting parameter:

```
var $clientNumber = getLoggedClientNumber(); // Or read the value from a CSV file

var $url = $server + "/common/getClientData/?clientNumber=" + $clientNumber + "&_" +
Date.now();

var $response = get($url);

var $json = JSON.parse($response.getDataString());

var $clientNumber = $json.clientNumber;
```

How it works

If `$server` contains:

```
https://example.com
```

and `$clientNumber` contains:

```
12345
```

the resulting URL will look similar to:

```
https://example.com/common/getClientData/?clientNumber=12345&_=17500000000000
```

The URL contains two query parameters:

- `clientNumber=12345` — passes the client number to the API.
- `_` followed by the current epoch time — adds a unique value to help prevent the request from being served from a cached response.

`Date.now()` returns the current time in milliseconds since the Unix epoch.

Multiple Query Parameters

When an endpoint requires multiple query parameters, use `?` before the first parameter and `&` before each additional parameter.

For example:

```
var $url = $server + "/common/getClientData/?clientNumber=" + $clientNumber +  
"&status=active";
```

This produces a URL such as:

```
https://example.com/common/getClientData/?clientNumber=12345&status=active
```

Query Parameters vs. Path Parameters

A **path parameter** is part of the URL path:

```
/customer/12345/reports
```

A **query parameter** is included after `?`:

```
/customer/reports?clientNumber=12345
```

The API determines which format should be used for each endpoint.

Summary

Use JavaScript string concatenation to dynamically construct URLs containing query parameters:

```
var $url = $server + "/common/getClientData/?clientNumber=" + $clientNumber;
```

When adding more than one query parameter, separate them with `&`:

```
var $url = $server + "/common/getClientData/?clientNumber=" + $clientNumber +  
"&status=active";
```

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If you have any feedback on this topic, please contact us at documentation@appvance.ai.

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