

Action For cloud Function:

Code:

```
/**
 *
 * @param {object} params
 * @param {string} params.iam_apikey
 * @param {string} params.url
 * @param {string} params.username
 * @param {string} params.password
 * @param {string} params.environment_id
 * @param {string} params.collection_id
 * @param {string} params.configuration_id
 * @param {string} params.input
 *
 * @return {object}
 */

const assert = require('assert');
const DiscoveryV1 = require('watson-developer-cloud/discovery/v1');

/**
 *
 * main() will be run when you invoke this action
 *
 * @param Cloud Functions actions accept a single parameter, which must be a JSON object.
 *
 * @return The output of this action, which must be a JSON object.
```

*

*/

```
function main(params) {  
  return new Promise(function (resolve, reject) {
```

```
    let discovery;
```

```
    if (params.iam_apikey){  
      discovery = new DiscoveryV1({  
        'iam_apikey': params.iam_apikey,  
        'url': params.url,  
        'version': '2019-03-25'  
      });  
    }  
  }
```

```
  else {  
    discovery = new DiscoveryV1({  
      'username': params.username,  
      'password': params.password,  
      'url': params.url,  
      'version': '2019-03-25'  
    });  
  }  
}
```

```
  discovery.query({  
    'environment_id': params.environment_id,  
    'collection_id': params.collection_id,  
    'natural_language_query': params.input,  
    'passages': true,  
    'count': 3,  
    'passages_count': 3  
  }, function(err, data) {
```

```
    if (err) {  
        return reject(err);  
    }  
    return resolve(data);  
});  
});  
}
```

Parameters:

iam_apikey: "f9EW9oQgSPWIWooTnV-ibINA3l1qPVoukx8s_nPBn6sc"

url: <https://api.eu-gb.discovery.watson.cloud.ibm.com/instances/8e83dc6d-b425-4c41-8936-49f58a7e6025>

environment_id: "a72595c9-031b-407b-87e6-65155009f695"

collection_id: "8383727e-2d2b-4476-bde0-dc0ad0e7fcdb"