***Cloud functions actions 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); |
|  | }); |
|  | }); |
|  | } |