[REST Source] How to troubleshoot REST source connector

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The REST source connector works in below sequence

1. Construct a HTTP request with below parameters from linked service/dataset/copy source
    1. URL (base URL + relative URL)
    2. HTTP method
    3. HTTP headers (optional)
    4. HTTP body (optional)
2. Send the HTTP request to the specified URL
3. Receive the response from the endpoint

Sometimes customers get unexpected response (400, 401, 403, 500, etc.) from REST connector, which is most likely caused by mistakes in specified parameter. To check whether that's the case, we suggest customers use curl other than ADF to troubleshoot. Below are the steps to troubleshoot with curl.

1. Win+R and enter "cmd" to open command console.
2. `curl -i -X <HTTP method> -H <HTTP header1> -H <HTTP header2> -H "Accept: application/json" -H "User-Agent: azure-data-factory/2.0" -d '<HTTP body>' <URL>`
    1. Please always include the last two headers, `Accept` and `User-Agent`.
    2. Note that for POST request, single quotes around json body may not work on Windows. Please use double quotes and do escape the double quotes within json.
3. If the curl returns the same unexpected response, please fix above parameters with curl until it returns the expected response.
4. If only ADF REST connector returns unexpected response, please create IcM to PG for further troubleshooting.
5. For more advanced usage in curl, using `curl --help`
6. Please note that curl may not be a good tool to repro SSL cert validation issue as there are repro scenarios where executing curl command succeeds without hitting any SSL cert validation issue, but when the same URL is executed in the browser, no SSL certificate is actually returned in the first place for client to establish trust with server.
7. For GET request, ADF REST connector will not pass Content-Type header to server if request body is not specified. If you're hitting issues where server is expecting such header for GET request, using the curl/Postman does not make valid repro as they do not enforce any rule to drop Content-Type header for GET request.

How good have you found this content?

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