

# 1. Back-End vs. Paul on Token, API, Data Input and More (May 2021)

Date

05 May 2021 - 06 May 2021

## Meeting Outcomes:

Q:

How to use the API for getting JWT? We have no information about the payload or parameters of the API, so when we call it directly, it shows “*You are not allowed to access/modify this resource*”. If we add a valid bearer token into the header, it does return a token, but the token cannot be used for any action. So we have no idea about what this token is used for. We thought this API should return a valid token to connect with the Eratos server when we call it with valid parameters, like a user ID or something.

A:

I've added a .NET CLI example for fetching the token and using it to perform task requests on the gateway node (linked as [uom-dnet-example.zip](#)).

Q:

When we call the retrieve the resource API in postman or using code, it always returns a 404 error with an HTML page, instead of json. If we call it using a browser, it works by jumping to another page. So can't we call the API and get the information about the resource directly?

A:

Make sure you have the following header:

*Accepts: application/json*

Otherwise, if the API interprets it as a browser fetching the resource it will redirect to the web app.

Q:

Even with a valid token, we still not able to call the API “*Retrieve the policy*”. It shows “*You are not allowed to access/modify this resource*”. Is it because that our account does not have permissions to see this, or we are doing this in the wrong way?

A:

You can't retrieve the policies for the current resources shared with you as you do not need to and haven't been assigned permission. Try creating a resource and changing the policy for that resource.

Q:

When we are going to process a task, we need to first create a task by calling a node endpoint. But we don't know which nodes are valid, or how to create a node and get the domain of its endpoint.

A:

There is a specific node endpoint to use in this case, see the [uom-dnet-example.zip](#) for the URI, or the updated UOM Group Workflow diagram attached.

Q:

We tried to attach the geometry fetched from the existing resource to another resource, but it doesn't work. What's the format of a valid geometry? Do we need to encode the geometry before adding it to the payload? We encoded it, but it shows an error like “*no valid data at (1,1)*”. Could you please give an example of valid input geodata?

A:

You can send either well-known text or well-known binary responses. I would stick with well-known text responses at this stage, making sure you've set the correct content-type header as:

*Content-Type: application/vnd.eratos.geo+wkb*

The body can be well-known text, e.g.:

*POINT(123.0, 23.0)*

or what was returned from

*GET /resources/{rid}/geo?type=wkt&detail=max*

We've also pushed a revamped data API at the beginning of this week, for which I updated the API docs shared with you and the frontend example (linked as [uom-authapi-example.zip](#)).