

Not able to get Carbon emission data using Query Carbon Emission Data Available Date Range

 Arunkumar • [Follow](#)

May 27, 2025, 1:05 PM

I have created the service principal and assigned the role Carbon Optimization Reader at subscription level. After assigning the role tried this API <https://learn.microsoft.com/en-us/rest/api/carbon/carbon-service/query-carbon-emission-data-available-date-range?view=rest-carbon-2025-04-01&tabs=HTTP>

But it returns an error like below. what have to do here?

SQL

The client '1fc72a7a-DUMMY' with object id '1fc7DUMMY' does not have authorization to perform action 'Microsoft.Carbon/queryCarbonEmissionDataAvailableDateRange/read' over scope '/providers/Microsoft.Carbon' or the scope is invalid. If access was recently granted, please refresh your credentials.

Azure Cost Management

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1 answer

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VP

Hello Arunkumar,


I understand that you are encountering an issue because it does not have authorization to perform action. So firstly, please understand the necessity of having the required roles to access the Emissions data.

By default, users with the following roles can view emissions data without requiring other role assignments:

- Subscription Owners
- Subscription Contributors
- Subscription Readers

Users without these roles can gain access by being assigned to the Carbon Optimization Reader role. however, the **Carbon Optimization Reader** role is designed for users who only need to view emissions data without access to recommendations, other service metrics, or the ability to change resource configurations.

The following table outlines the access permissions associated with each role:

 Expand table

Role	View emissions	View recommendations	Edit resource configuration
Subscription Owner	✓	✓	✓
Subscription Owner	✓	✓	✓
Subscription Contributor	✓	✓	✓
Subscription Reader	✓	✓	X
Resource Group Owner	X	✓	✓

Role	View emissions	View recommendations	Edit resource configuration
Resource Group Contributor	X	✓	✓
Resource Group Reader	X	✓	X
Resource Owner	X	✓	✓
Resource Contributor	X	✓	✓
Resource Reader	X	✓	X
Carbon Optimization Reader	✓	X	X

So, i would recommend you have the Subscription Owners, Subscription Contributors & Subscription Readers role.

Please try and let me know the findings.

Additionally, If the provided solution works for your query, please do not forget to **Accept the answer** and **Upvote it**. this can be beneficial to other community members.it would be greatly appreciated and helpful to others.

Thanks

Was this answer helpful?

 Yes

 No

 2 comments

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Vinod Pittala • Follow
2,485 • Microsoft External Staff • Moderator

Jun 4, 2025, 9:52 AM

Hello [Arunkumar](#),

I wanted to follow up on the answer I provided regarding the issue you encountered. Have you had a chance to review it? I would like to ensure that the issue has been resolved to your satisfaction or if there is any further assistance you might need.

Additionally, If the provided solution works for your query, please do not forget to **Accept the answer** and **Upvote it**. this can be beneficial to other community members.it would be greatly appreciated and helpful to others.

Thanks

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Vinod Pittala • [Follow](#)

2,485 • Microsoft External Staff • Moderator

Jun 5, 2025, 7:00 AM

Hello [Arunkumar](#),

I would like to check if the issue has been resolved or if you need any assistance. Please feel free to let us know, as we are always here to help.

Additionally, if you have a moment, please review my previous Answer.

Please do not forget to **"Accept the answer"** and **"upvote it"** wherever the information provided helps you, this can be beneficial to other community members.it would be greatly appreciated and helpful to others.

Thanks

👍 0 votes 



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