AlwaysEncrypted settingAttestionPolicyfailed

Last updated by | Soma Jagadeesh | Apr 9, 2021 at 10:59 AM PDT

Contents

Issue

When you are trying to set the Attestation policy for SQL Always Encrypted you may receive an error

Via Powershell: **Set-AzAttestationPolicy : Operation returned HTTP Status Code 401**

or

Through Portal

pookam@microsoft.com

MICROSOFT

2

⊗ **Operation failed**   10:42 PM

{"type":"MsPortalFx.Errors.AjaxError","baseTypes":
["MsPortalFx.Errors.AjaxError","MsPortalFx.Errors.Error"],"...
{"uri":"https://mysqlaeattestprovider.uks.attest.azure.net/...
api-version=2018-09-01-
preview&tee=OpenEnclave","type":"POST","pathAndQue...
c70e-46af-9759-
1fd2c51ac007","failureCause":"","sessionId":"5f8e2714da...
[],"jqXHR":
{"readyState":0,"status":0,"statusText":"error"},"textStatus"...

✓ **Upload Completed for attestpolicy.txt**   10:42 PM

300 B | "Streaming upload"

Investigation/Analysis

You may see the following error while using powershell

```
'PS C:\Users\Administrator> Set-AzAttestationPolicy -Name $attestationProviderName -ResourceGroupName $attesta
Set-AzAttestationPolicy : Operation returned HTTP Status Code 401
At line:1 char:1
+ Set-AzAttestationPolicy -Name $attestationProviderName -ResourceGroup ...
+ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
    + CategoryInfo          : CloseError: (:) [Set-AzAttestationPolicy], RestException
    + FullyQualifiedErrorId : Microsoft.Azure.Commands.Attestation.SetAzureAttestationPolicy


PS C:\Users\Administrator> Set-AzAttestationPolicy -Name $attestationProviderName -ResourceGroupName $attestat
Set-AzAttestationPolicy : Operation returned HTTP Status Code 401
At line:1 char:1
+ Set-AzAttestationPolicy -Name $attestationProviderName -ResourceGroup ...
+ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
    + CategoryInfo          : CloseError: (:) [Set-AzAttestationPolicy], RestException
    + FullyQualifiedErrorId : Microsoft.Azure.Commands.Attestation.SetAzureAttestationPolicy
```

- this means that the AD user doesn't have permissions : [Troubleshooting guide](#) ↗

Error code 401 Unauthorized

Scenario examples

- Attestation failure if the user is not assigned with Attestation Reader role
- Unable to manage attestation policies as the user is not assigned with appropriate roles
- Unable to manage attestation policy signers as the user is not assigned with appropriate roles
- User with Reader role trying to edit an attestation policy in PowerShell

Mitigation

After providing the permission as owner you will be able to edit the attestation policy.

In order to add/delete policy signers or to configure policies, an Azure AD user requires the following permissions for "Actions":

Microsoft.Attestation/attestationProviders/attestation/write

Microsoft.Attestation/attestationProviders/attestation/delete

These permissions can be assigned to an AD user through a role such as "Owner" (wildcard permissions), "Contributor" (wildcard permissions) or "Attestation Contributor" (specific permissions for Azure Attestation only).

RCA (optional)

More Information (optional)

Errors can occur at various steps of the above workflow due to misconfigurations. Here are the common attestation errors, their root causes, and the recommended troubleshooting steps: [Troubleshoot common issues when running statements using Enclaves](#) ↗

Check if you are running into [Known Limitations](#) ⧉

External documentation

[Troubleshooting Guide for Azure Attestation](#) ⧉

Internal Reference (optional)

Root cause path

How good have you found this content?