Always Encrypted related to AKV rotate key permission

Last updated by | Vitor Tomaz | Jun 8, 2022 at 5:22 AM PDT

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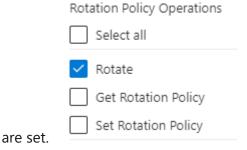
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Issue

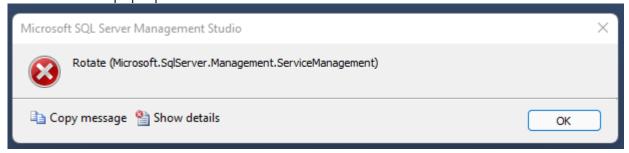
Always Encrypted v1 scenarios where the SSMS v18 window crashes while trying to create CMK using AKV which has the Rotate key permission set

Investigation/Analysis

1. Configure the access policies on the AKV in the portal such that any of the below rotate key permissions



- 2. Connect to the server and database(general purpose) using SSMS v18. No need to have always encrypted enabled in the connection dialog box.
- 3. Try to create a CMK using the above AKV, which has any of the rotate key permissions in the access policies. a.On selecting the concerned AKV name after authentication, the SSMS CMK window crashes with the below error pop-up and call stack.





Mitigation

In the meantime, we recommend customers not have any of these 3 rotate permissions(Rotate, Get Rotation Policy, Set Rotation Policy) set in the access policy of the AKV they use for the Always Encrypted operations. This should help prevent any more CRIs related to this issue.

RCA Template (optional)

TBD

Public Doc Reference (optional)

TBD

Internal Reference (optional)

Master ICM to link support cases for reference ICM ☑

We have a bug in the AE scrum board to track this work item SQL Security AlwaysEncrypted Backlog items Backlog.
I have identified the fix for it and have a code review out, but customers might still want to use the current SSMS version and it might take time to get a new version out.

Root Cause Classification

Azure SQL DB/Security/Always Encrypted/Product Bug

How good have you found this content?

