

Auto-Rotation of TDE Protector functionality

Last updated by | Vitor Tomaz | Jun 8, 2022 at 5:23 AM PDT

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Issue

The Auto-Rotation functionality hasn't yet been released formally to customers. We are yet to make an official public preview announcement for this and are waiting on backend API changes to be deployed. The "Auto-Rotate Key" checkbox is visible on the Portal since it was released as part of a bunch of other Portal updates, but the functionality isn't yet supported.

Investigation/Analysis

Below is the Screenshot of the Portal with a current feature that is enabled and visible for customers.

shohamcanaryserver3 | Transparent data encryption ...

SQL server

Search (Ctrl+/)

Save Discard Feedback

Diagnose and solve problems

Quick start

Settings

- Azure Active Directory
- SQL databases
- SQL elastic pools
- DTU quota
- Properties
- Locks

Data management

- Backups
- Deleted databases
- Failover groups
- Import/Export history

Security

- Auditing
- Firewalls and virtual networks
- Private endpoint connections
- Security Center
- Transparent data encryption
- Identity (preview)

Transparent data encryption encrypts your databases, backups, and logs at rest without any changes to your application. To enable encryption, go to each database. [Learn more](#)

Transparent data encryption ⓘ

Service-managed key

Customer-managed key

Key selection method

Select a key

Enter a key identifier

Key *

SampleKey0114/317f5b2c1a584ba5b28ce7b205da6a92

[Change key](#)

Make this key the default TDE protector ☒

Auto-rotate key ⓘ ☐

SQL uses Get, Wrap Key, Unwrap Key permissions to access the selected key vault for TDE. These key vault permissions must be assigned to the managed identity used for TDE (primary user-assigned identity or the system-assigned identity). If needed, we will try granting these permissions on your behalf. [Learn more](#)

Mitigation

Once our backend API has been fully deployed in all regions, we will release the public docs for this functionality (including a tutorial on how to enable auto-rotation of the TDE Protector) and announce the public preview.

The current ETA for this to happen is by 10/31 and moved to 12/31/21

RCA Template (optional)

Azure SQL DB has multiple features in upcoming releases. Due to changes being rolled out phase-wise, portal changes are released first and visible to customers. however, API changes are not deployed from TDE functionality standpoint. This will be as per schedule for public preview with an ETA of 10/31 and moved to 12/31/21.

Customers need to hold any requirements or operations using Auto-Rotation of TDE using the portal as this will fail and impact any deployment operations.

Public Doc Reference (optional)

It Will be published on 10/31 when the feature is available for public preview. ETA update, as per the recent challenges new date is 12/31.

Internal Reference (optional)

No ICM is needed if the issue is related to the above issue stated and contact sojaga or EEE for more details.

Root Cause Classification

Cases resolved by this TSG should be coded to the following root cause: Root cause Tree - Security/TDE and CMK/

How good have you found this content?

