# Recovery Model options for MachPanel\_Db

### **Summary**

This article provides information how to handle the error due to recovery model of Database.

### **Applies To**

MachPanel v6 and later.

#### **ERROR Message**

The transaction log for database 'MachPanel\_Db' is full. To find out why space in the log cannot be reused, see the log\_reuse\_wait\_desc column in sys.databases

**Error Message 2:** Customers and Staff users cannot log into panel:

"Secret Key request failed Error occurred in sending secret key email, please try again later"

## **Recovery Model:**

A recovery model is a database configuration option that determines the type of backup that one could perform, and provides the ability to restore the data or recover it from a failure.

If the recovery Model is set to Simple then this growth is abnormal, but if the Recovery Model is set to FULL (normally used for point-in-time restore AND/OR HA deployments) then such growth is expected and normal, but needs to be controlled with additional steps.

If it's set to FULL then this growth can be tackled by backing-up log (LDF) files on a regular intervals. log backups make the space available for SQL Server to reuse for further logging.

Different Models are discussed here

In a nut shell, if Model is set to Full / log files must be backed-up regularly.

#### **Resolutions:**

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- 1. If Database Model set to "SIMPLE" then shrink Transaction log file and regularly monitor the log file as in this model it should not grow that much.
- 2. If the Database Model is set to "FULL" firstly move it to simple mode then perform a shrink on that database and move back to Full. To avoid issues in future perform the below steps.
  - Perform a full and transaction log backups separately.
  - Create SQL maintenance plan (steps can be googled.) to automate the whole process.
    - o Add daily database backup along with maintenance clean up option
    - o Add daily log backup, set recursive frequency to 4 or 8 hours along with maintenance clean-up option to save disk space.

## MachPanel Knowledgebase

https://kb.machsol.com/Knowledgebase/55598/Recovery-Model-options-for-MachP...