Lenovo Storage License Key Activation Procedure

Obtaining your Lenovo storage license key

To obtain your software feature license key, do the following:

1. Log on to the Lenovo Storage Management Console.
2. From the **Home** tab, click **Action**.
3. In the drop-down list, select **Install License**.
4. Document the Licensing Serial Number displayed in the License Settings window.

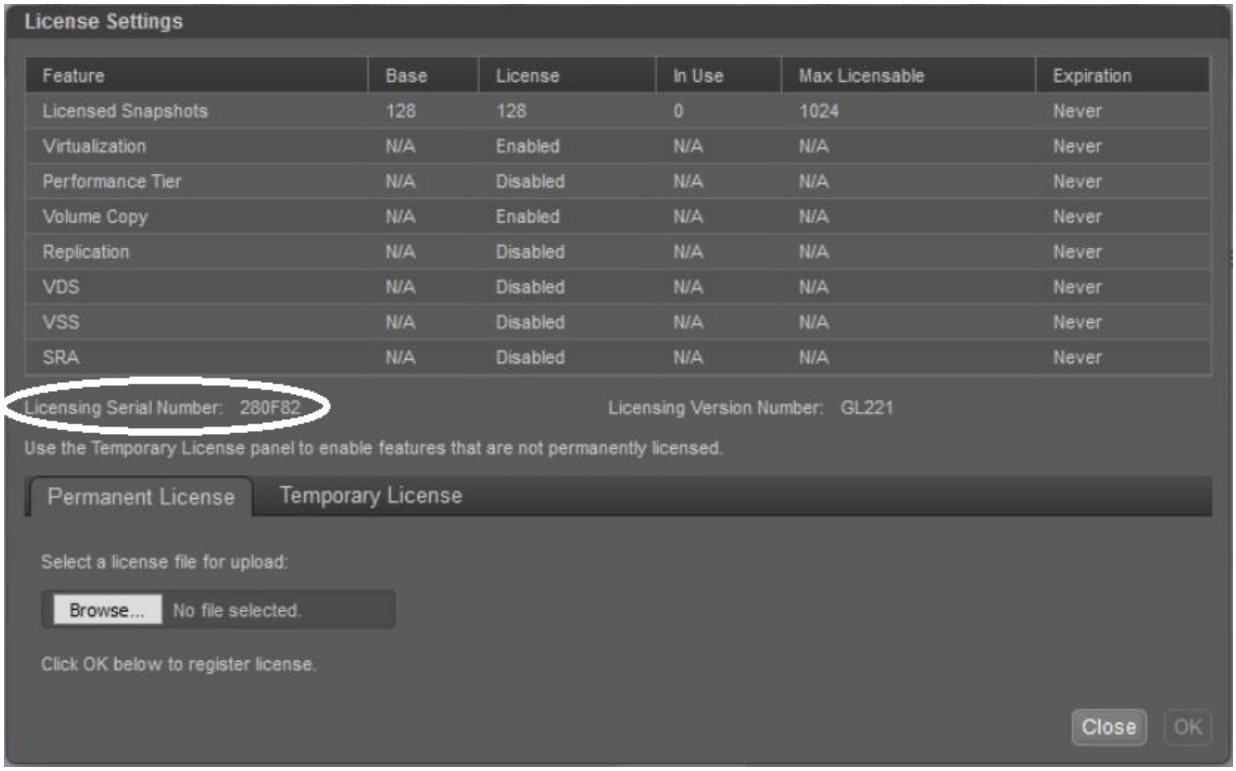


Figure 1. Example of the License Settings window

Licensing Serial Number: _____

5. Go to Lenovo FoD Web site to obtain the license key. Refer to the *Lenovo Features on Demand Activation Instructions* for detailed instructions.

   Notes:

   - The Licensing Serial Number, the Machine Serial Number, and the Authorization Code are needed for this process. Find the Authorization Code in the *Lenovo Features on Demand Activation Instructions*.
   - The license key can be downloaded or sent to a specified e-mail address after the authorization process is completed on the Lenovo FoD Web site.
6. Go to Lenovo FoD Web site for more information and support.

Applying your Lenovo storage license key

After you have the license key, do the following to apply the license key and activate the storage software feature:

1. Store the key to a location that is also accessible from the Lenovo Storage Management Console.
2. Log on to the Lenovo Storage Management Console.
3. From the **Home** tab, click **Action**.
4. Select **Install License**, and then select the **Permanent License** tab.
5. Click **Browse** under **Select a license file for upload**.
6. Navigate to the location where the license key file is stored.
7. Select the license key file for the corresponding Lenovo storage system and click **Open**.
8. Click **OK** to register the license key and activate the feature.

License key update after chassis replacement

The purpose of this procedure is to provide guidance for the transfer of Lenovo feature license keys from the defective RBOD enclosure to the new replacement RBOD enclosure. This procedure only needs to be performed when a DS-series array RBOD enclosure (enclosure 0) is replaced and you have the feature licenses installed on the DS-series array. This procedure does not need to be performed if it is confirmed you had no prior license keys installed or if an expansion enclosure (enclosure 1+) has been replaced (DS EXP or D3284). You must register and create a user account on the Lenovo FOD Web site in order to complete license key transfer to the new system. Refer to Table 1 “License keys for the S series storage and ThinkSystem DS series storage” on page 2 for a description of applicable Lenovo ThinkSystem feature license keys.

The license keys are those listed in the table below.

Table 1. License keys for the S series storage and ThinkSystem DS series storage

Option PN	FC	Description	Machine Type
01GV558	AWGL	DS series 256 snapshot upgrade	6411
01GV559	AWGM	DS series 512 snapshot upgrade	4599, 4619, 4617, 6411
01GV560	AWGN	DS series 1024 snapshot upgrade	4599, 4619, 4617, 6411
01GV561	AWGP	DS series SSD data tiering	4599, 4619, 4617, 6411
01GV562	AWGQ	DS series asynchronous replication	4599, 4619, 4617, 6411

Note: The license keys for the S series storage are supported on the FOD Web site for customers who purchased license keys after July 17, 2017. Contact Lenovo Support if you are attempting to restore a License Key on an S series storage sold prior to July 17, 2017.

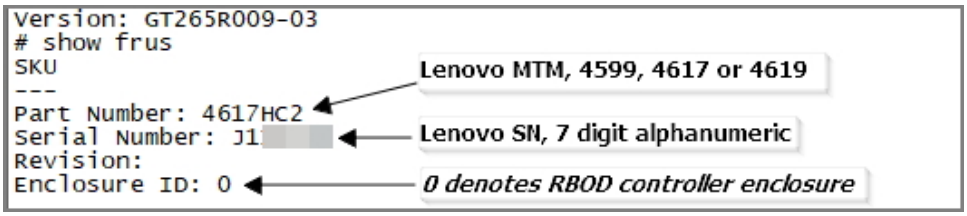
Attention: Ensure that the new chassis and machine code have been updated to level **GN265R008-03** or **GT265R008-03** or later.

Once the replacement RBOD enclosure (enclosure 0) has been added to the array and determined to be in good health, proceed with the following steps to regenerate license keys for the new system:

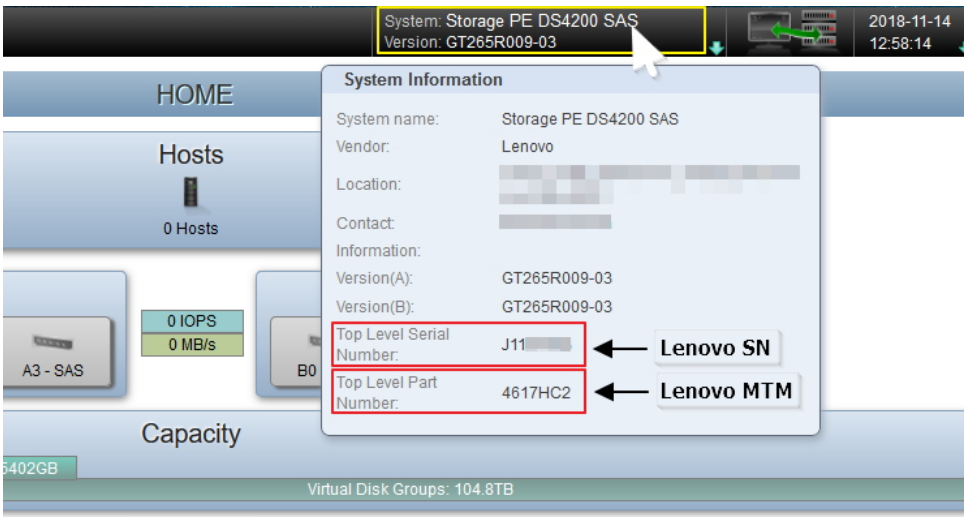
1. Locate and record the Lenovo MTM and SN or UID of the defective RBOD enclosure. They will be needed for reference once logged into the Lenovo FoD Web site.
   a. To find the Lenovo MTM and SN, do any one of the following:
      - Locate on the enclosure top cover labeling and the front-right enclosure ear cover.

      If the defective RBOD enclosure has not been replaced and remains in operation,

      - Log on to the Lenovo Storage CLI, enter the command `show license`.



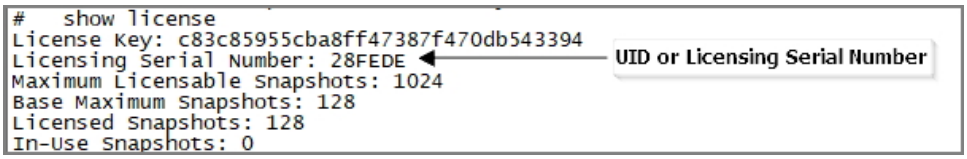
      - Log on to the Lenovo Storage Management Console (SMC), the Lenovo MTM and SN will be displayed when hovering mousing pointer over the system banner.



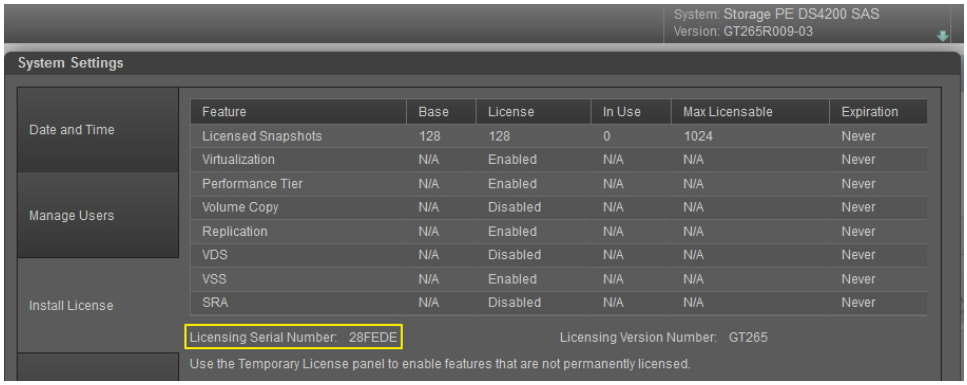
   b. To find the UID or licensing serial number, do any one of the following:
      - Request the UID or licensing serial number be provided by the support personnel by review of array logs.

      If the defective RBOD enclosure has not been replaced and remains in operation,

      - Log on to the Lenovo Storage CLI, enter the command `show license`.

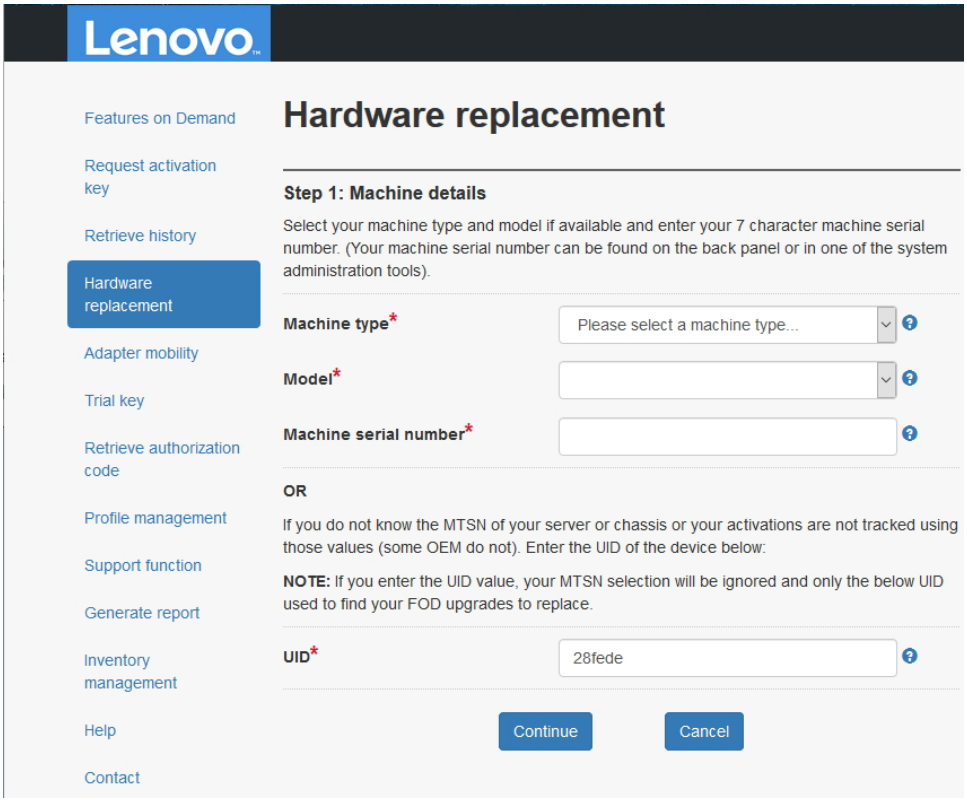


- Log on to the Lenovo SMC, and click **Home → Action → System Setting → Install License**.

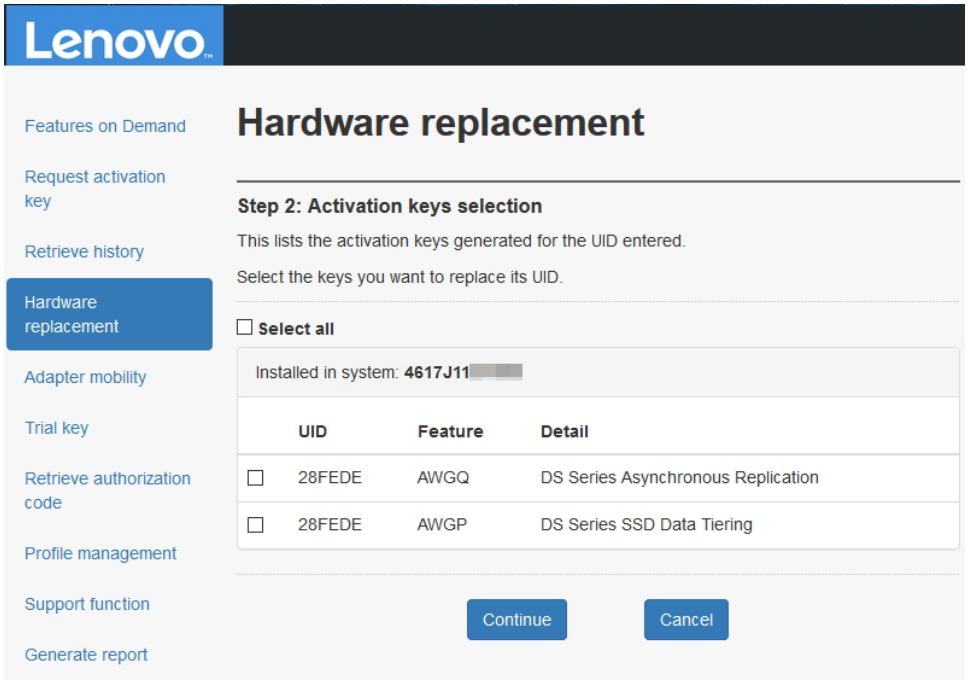


2. Once the above information has been collected, the servicer can perform the hardware replacement or the RBOD enclosure.
3. When the RBOD enclosure replacement is completed, the array can be powered on and allowed time to fully boot.
4. Get the UID or licensing serial number for the new RBOD enclosure by accessing the array's Lenovo Storage CLI or Lenovo SMC. For detailed information, refer to step 1bb. on page 3.
5. Go to Lenovo FoD Web site, and then Click the **Hardware replacement** tab.
   a. Select your **Machine type** (firs 4 digits of MTM) from the pull-down menu and enter the 7-digit serial number, and then select **Continue**.

b. Or enter the UID or licensing serial number, and then select Continue.



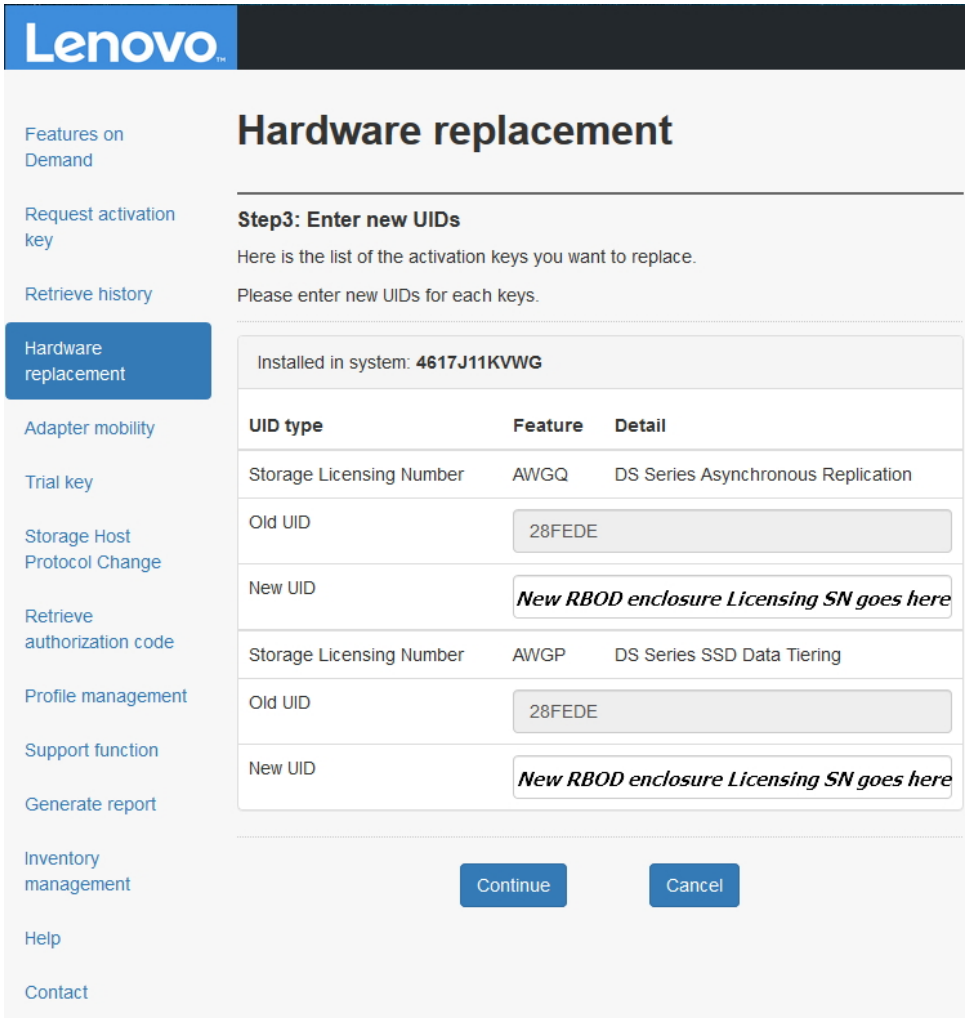
6. All feature licenses applied to the system will be displayed and be available for transfer as shown below.



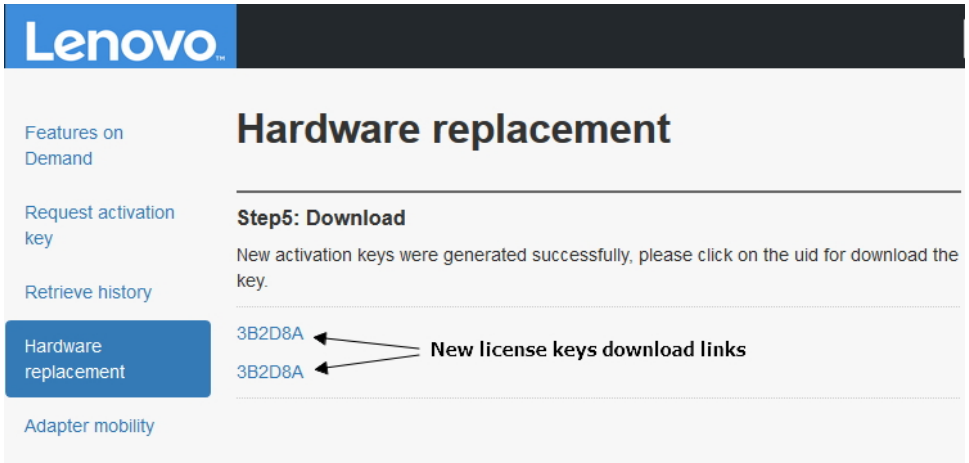
7. If the list of feature licenses is accurate, click **Select all** to select all licenses and then select **Continue** to go to next step.

Note: If the feature license key inventory is not correct, please select the contact link on the left sidebar to engage the Lenovo FoD Web site support team for immediate investigation.

8. Enter the UID or licensing serial number of the new enclosure into the **New UID** input field of each license key, be certain each new UID is correct, then select **Continue**.



9. New license keys are generated successfully, you can download to the desired directory by clicking on the each of them.



10. Once the new license keys have been downloaded, access the DS-series SMC and install the licenses. For detailed instructions, refer to the G265 Storage Manager Guide at: https://download.lenovo.com/storage/lenovo_g265_storage_manager_guide.pdf
11. Once the license keys are installed successfully, the DS-series array can be returned to normal operations.

Third Edition (December 2018)

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Printed in China
(1P) P/N: SP47A10092