

DM Series Premium Feature Key Procedures



This document provides information about how to enable the premium feature key for the Lenovo® ThinkSystem® DM Series storage. It also documents how to retrieve a license key.

Obtaining the premium feature key

To obtain the premium feature key, perform the following:

- Step 1. “Collect the storage system machine type, machine serial number, controller serial numbers, and cluster UUID” on page 1
- Step 2. “Generate the premium feature key for each controller” on page 2

Collect the storage system machine type, machine serial number, controller serial numbers, and cluster UUID

To obtain the system machine type and machine serial number:

From the CLI prompt, enter:

```
run local sysconfig -a
```

```
DM5K_BIS:>> run local sysconfig -a
Lenovo Release 9.7P2: Sun Mar 22 17:52:54 EDT 2020
System ID: 0538003737 (DM5K_BIS-01); partner ID: 0538003601 (DM5K_BIS-02)
System Serial Number: 941830000286 (DM5K_BIS-01)
System Rev: C0
System Storage Configuration: Multi-Path HA
System ACP Connectivity: Inband Active
All-Flash Optimized: false
Capacity Optimized: false
All SAN Array: false
Backplane Part Number: DS22412
Backplane Rev:
Backplane Serial Number: 021827029954
slot 0: System Board 1.5 GHz (System Board XXII C0)
  Model Name:          DM5000H
  Machine Type:       7Y57-CT01WW
  Lenovo System SN:   J300ENDN
  Part Number:        111-04039
```

The Machine Type field provides the system machine type (4 digits) and model information.

The Lenovo System SN field provides the machine serial number information.

To obtain the controller serial numbers:

From the CLI prompt, enter:

```
system controller show
```

```
DM5K_BIS::> system controller show
```

Controller Name	System ID	Serial Number	Model	Status
DM5K_BIS-01	538003737	941830000286	DM5000H	ok
DM5K_BIS-02	538003601	941830000153	DM5000H	ok

The Serial Number field displays each controller's serial number.

To obtain the cluster UUID:

From the CLI prompt, enter:

```
cluster identity show
```

```
DM5K_BIS::> cluster identity show
```

```
Cluster UUID: b18ee109-84d7-11ea-b28e-00a098e11b1b
Cluster Name: DM5K_BIS
Cluster Serial Number: 1-80-000011
Cluster Location:
Cluster Contact:
```

Generate the premium feature key for each controller

To generate the premium feature key for each controller, go to [Lenovo Features on Demand](#) to obtain the premium feature key.

- Step 1. Log in to the Lenovo FoD Web site with your user account and password. If you have not previously registered, register first.
- Step 2. Click the **Request activation key** tab.
- Step 3. Enter your authorization code which was supplied to you by e-mail or on hard copy as part of the ordering process, and then click **Continue**.
- Step 4. Then the "Authorization code details screen" is displayed. Enter the four-digit Machine Type.
- Step 5. Enter the Machine serial number.
- Step 6. Enter the first 12-digit controller serial number into the Controller SN1 field, and then enter the second 12-digit controller serial number into the Controller SN2 field.

Note: If needed, enter the cluster UUID to obtain the premium feature key.
- Step 7. Select **Continue**.
- Step 8. Review the Authorization code details, and then select **Confirm**.

The premium feature key can be downloaded or sent to a specified e-mail address after the authorization process is completed on the Lenovo FoD Web site.

Note: Each controller requires its own premium feature key to enable the feature on each controller.

Generate the no-cost feature key for each controller

To generate the no-cost feature key for each controller, go to [Lenovo Features on Demand](#) to obtain the feature key.

- Step 1. Log in to the Lenovo FoD Web site with your user account and password. If you have not previously registered, register first.
- Step 2. Click the **Trial Key** tab.
- Step 3. Select the license key feature from the drop-down menu and click **Continue**.
- Step 4. Select the four-digit Machine Type.
- Step 5. Enter the Machine serial number.
- Step 6. Enter the first 12-digit controller serial number into the Controller SN1 field, and then enter the second 12-digit controller serial number into the Controller SN2 field.

Note: If needed, enter the cluster UUID to obtain the premium feature key.
- Step 7. Select **Continue**.
- Step 8. Review the Authorization code details, and then select **Confirm**.

The feature key can be downloaded or sent to a specified e-mail address after the authorization process is completed on the Lenovo FoD Web site.

Note: Each controller requires its own premium feature key to enable the feature on each controller.

Enabling the premium feature key

Once the premium feature key is ready, use the ThinkSystem System Manager or CLI to apply the premium feature key license code and activate the premium feature.

From the ThinkSystem Storage Manager for DM Series GUI

1. Select **Configuration → Licenses**.
2. From the **Packages** tab, select **+ Add**.
3. In the Add License Packages dialog box, enter both 28-digit license keys, separated by a comma, from the files received from the LKMS system.
4. Select **Add**

From the Command Line Interface (CLI)

From the CLI prompt, enter:

```
system license add -license-code <license code V2>, <license code V2>
```

Example

With license code for controller A as AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA, and the license code for controller B asBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB. The command is entered as:

```
storageAF::> system license add AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA, BBBBBBBBBBBBBBBBBBBBBBBBBBBBB
```

Retrieving a license key

To retrieve a license key that has been previously generated for a DM system, go to [Lenovo Features on Demand](#) website.

- Step 1. Log in to the Lenovo FoD Web site with your user account and password. If you have not previously registered, register first.
- Step 2. Click the **Retrieve history** tab.
- Step 3. On the **Search type** field, select **Search history via UID**.
- Step 4. On the **Search value** field, enter the serial number of the controller (s) that require the license key.
- Step 5. Select **Continue**.
- Step 6. From the **Retrieve history** screen, you can select the license key (s) that need to be retrieved or you can select **Select All**, and then select **Email**.
- Step 7. When the key is received, follow the instruction in “Enabling the premium feature key” on page 3 to apply the license key.

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