ThinkShield Web application - Update Key

Alternative Device key update method if the Mobile application is not available

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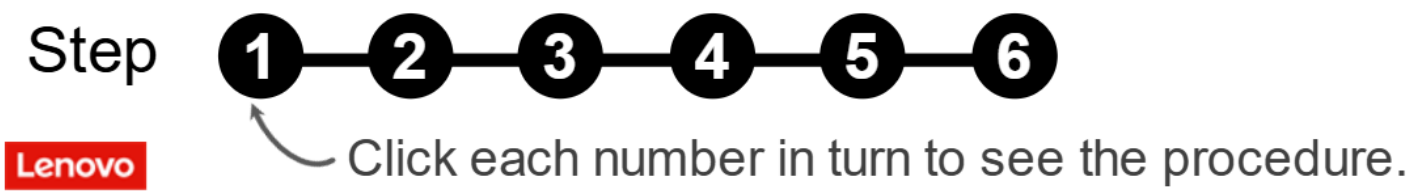
After replacing a system board, Maintenance users can work through the following procedure to update a Device key using the ThinkShield Web application:

Steps	Web interface	IPMI
1	Replace the system board (update the firmware and VPD), and then prepare a laptop	
2	Open a browser and log in to ThinkShield Portal	
3		Connect the laptop to the SE350 XCC network
4		Get the Device key with IPMI
5	Update the key with the Device key obtained using IPMI (If you need to claim the device, use the old activation code from the flyer or asset tag)	
6	Check whether the device is Standard or Security Pack	
7		Issue an IPMI command to change the personality only if it should be Security Pack



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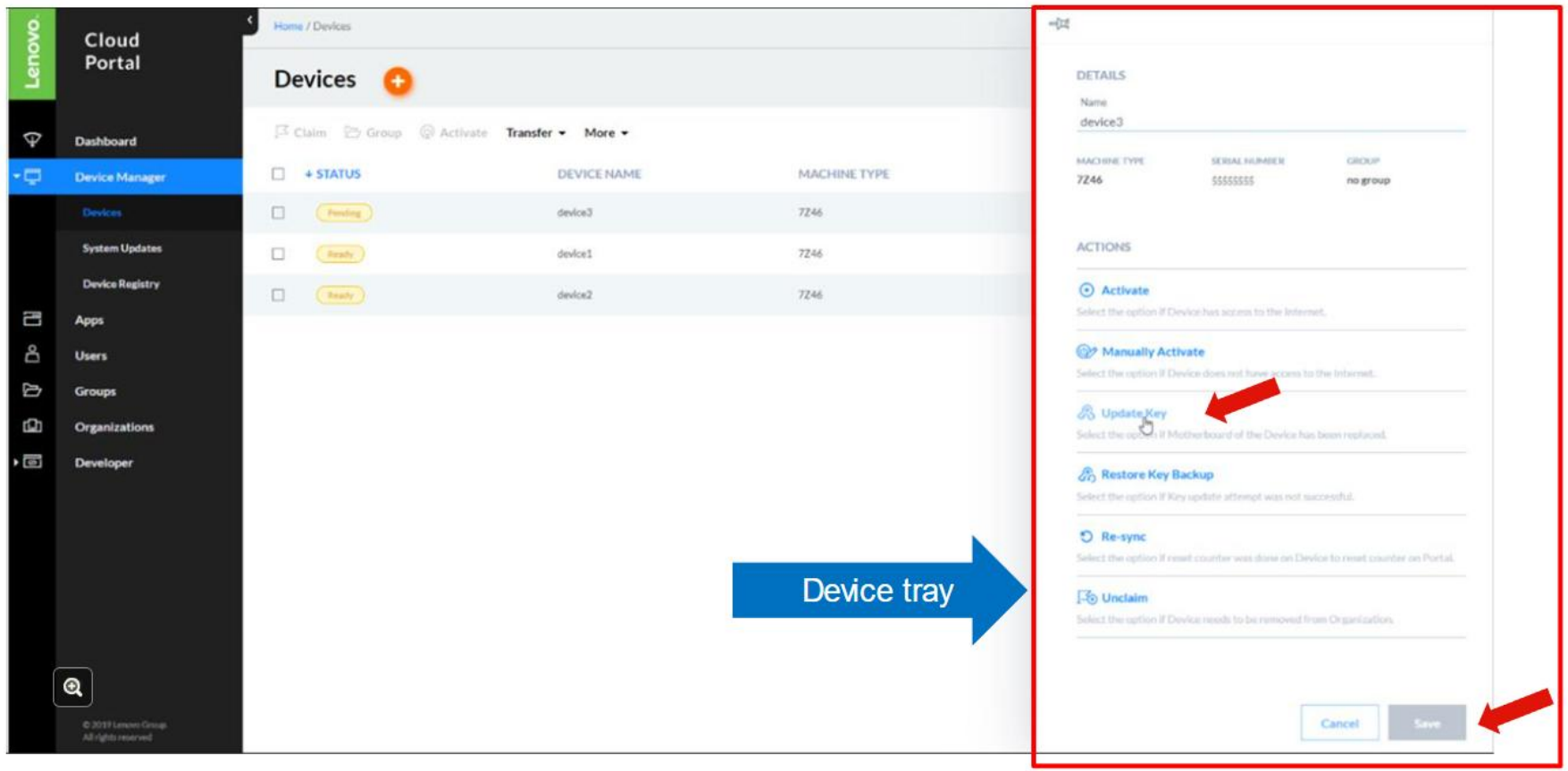
Select a device to open the device tray. Select **Update Key**, and then click **Save**.



Step 1 2 3 4 5 6

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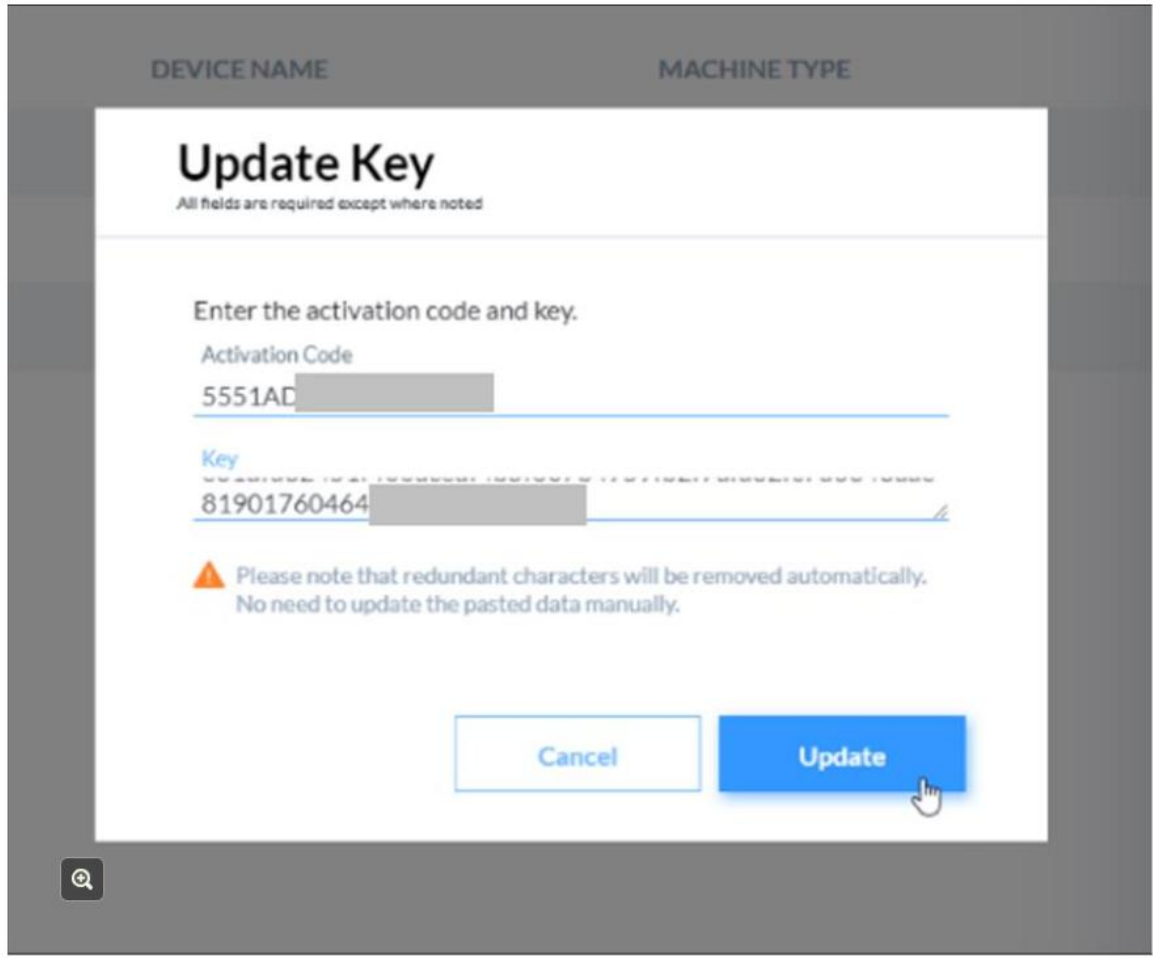
Enter the Activation Code from the defective system board and the Device key of the new system board, and then click **Update**.

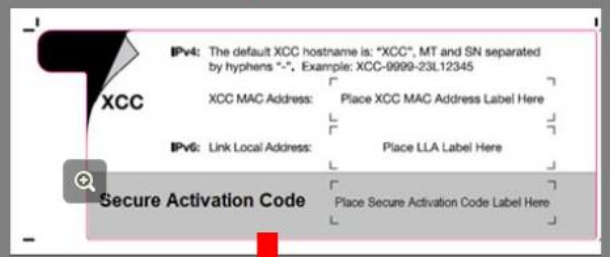
- The Activation Code is printed on the asset tag and the flyer that was shipped with the server. Asset tag and flyer
- Users can scan the QR code on the new system board to get the Device key, or they can get the information using IPMI commands. For more information, refer to this Knowledge Base link or click the buttons below to see examples. QR code IPMI command

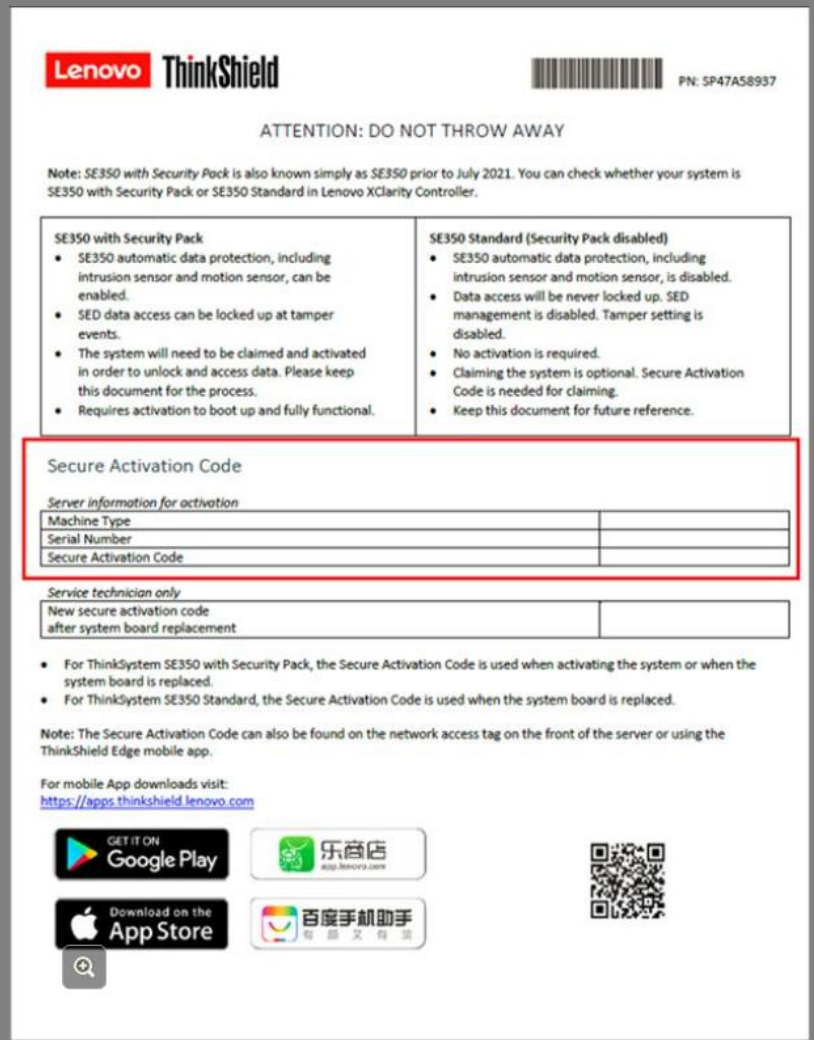


Step 1 2 3 4 5 6

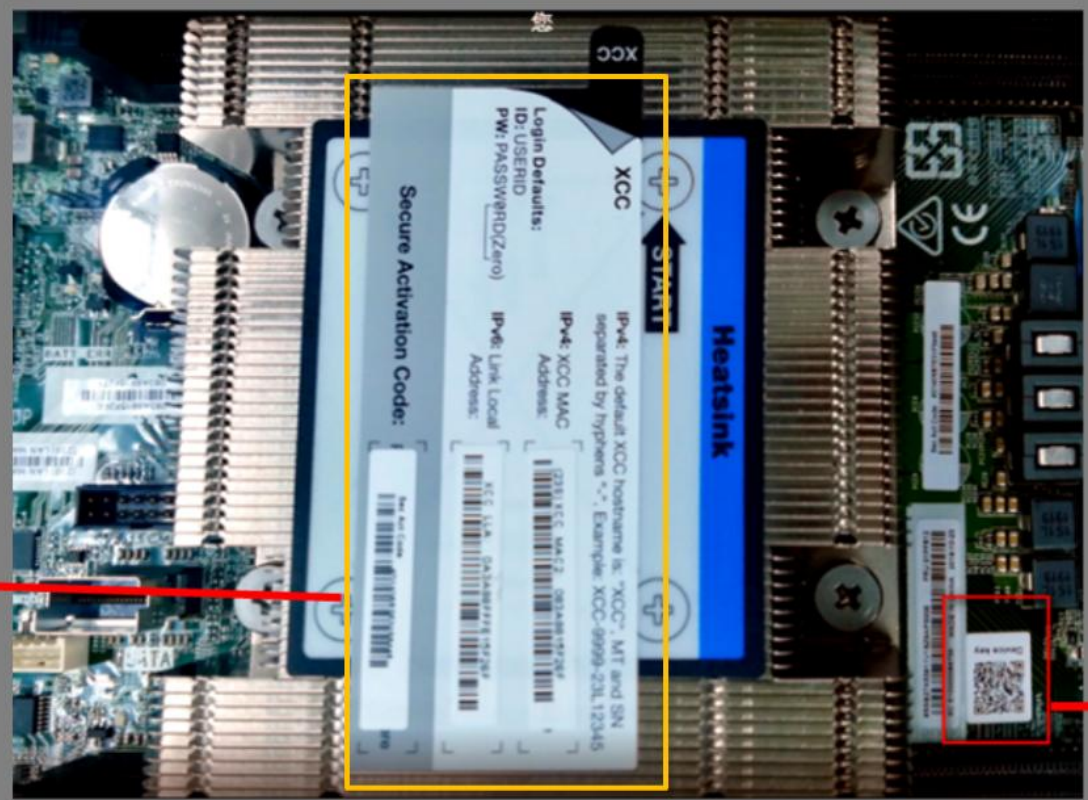
Secure Activation Code on the asset tag and flyer

A new field for the Secure Activation Code has been added to the pull-out asset tag and flyer.





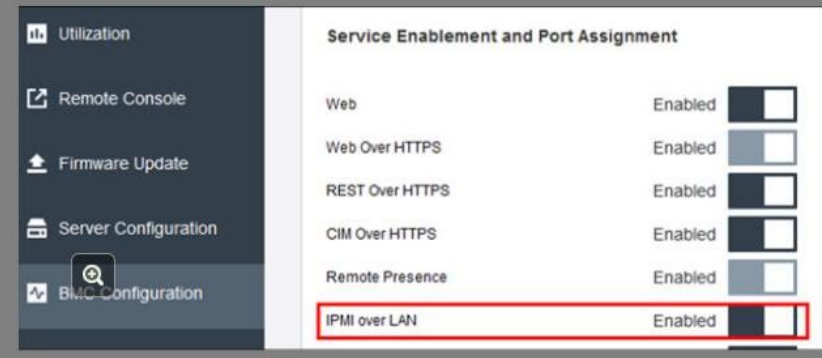
A QR code has been added to the system board. When you replace a system board, scan the QR code to get the Device key.
A Secure Activation Code sticker will be attached to the heat sink on the new system board. When you replace the system board, peel off the sticker and attach it to the pull-out asset tag.



Using IPMI to get a Device key

Enable IPMI in XCC:

- Select **BMC Configuration → Network**, and then scroll down to the **Service Enablement and Port Assignment** section.
- Configure the state of the **IPMI over LAN** to **Enabled**.



Connect the laptop to the XCC port that has IPMItool installed, and then run the following command to get the Device key:

```
>ipmitool -I lanplus -U USERID -P PASSW0RD -H 192.168.70.125 raw 0x3a 0xf2 0x6
```

Sample output:

```
54 41 8b d7 76 4f 1b 57 bf 63 0e 6b 31 ea 27 98
0b a4 29 e1 b2 12 86 c2 42 70 aa 2d 17 f7 26 ce
88 0c a8 a8 cb e9 0c cd 72 d2 74 05 f7 8b 7d a0
4f f9 3f 9e da 95 8f 1e a8 85 25 10 9a bd fe 9e
```

The SE350 Device key will be (64 bytes, 128 hex chars long):

```
54418bd7764f1b57bf630e6b31ea27980ba429e1b21286c24270aa2d17f726ce880ca8a8cbe90ccd72d27405
f78b7da04ff93f9eda958f1ea88525109abdfe9e
```

Note: In this example, the XCC IP address is 192.168.70.125, the user ID is USERID, and the password is PASSW0RD (zero, not capital o)

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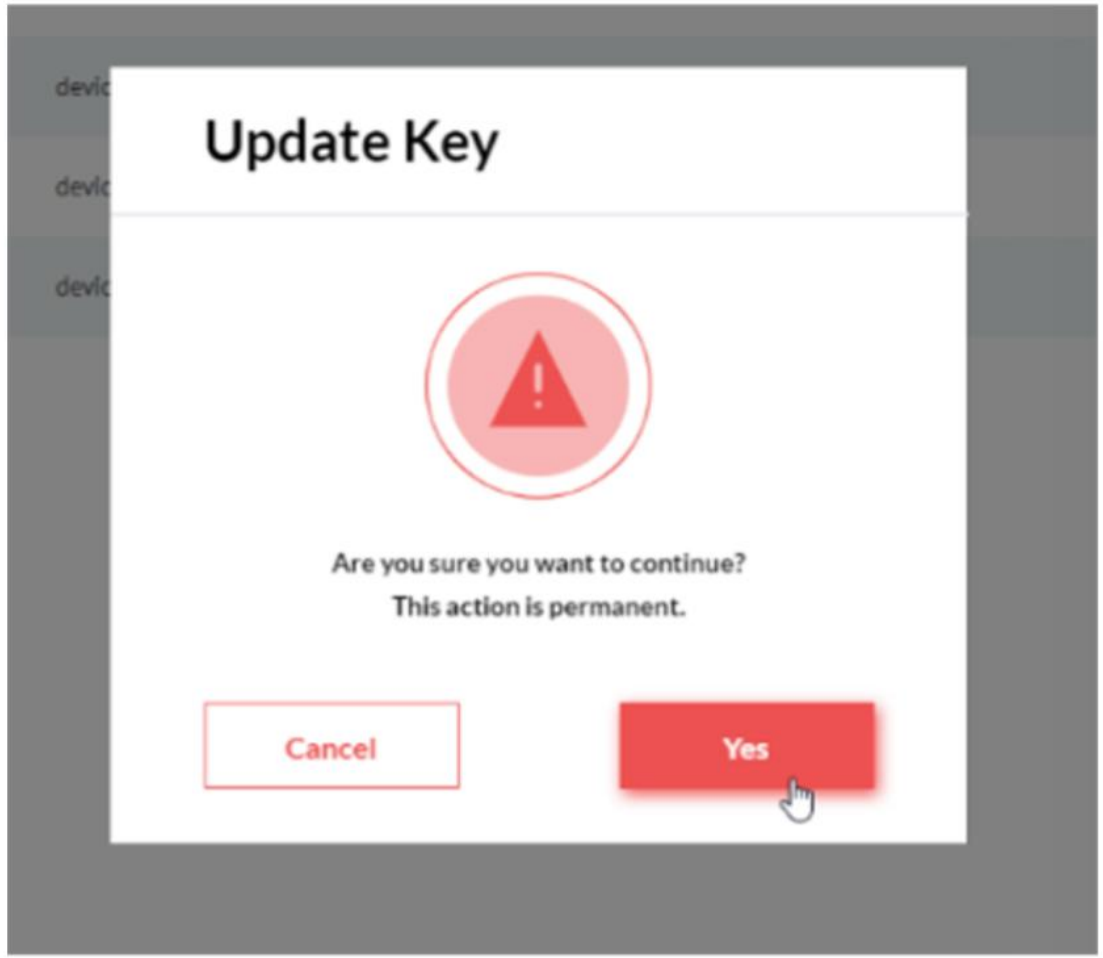
Confirm the action by clicking **Yes** in the **Update Key** pop-up window.



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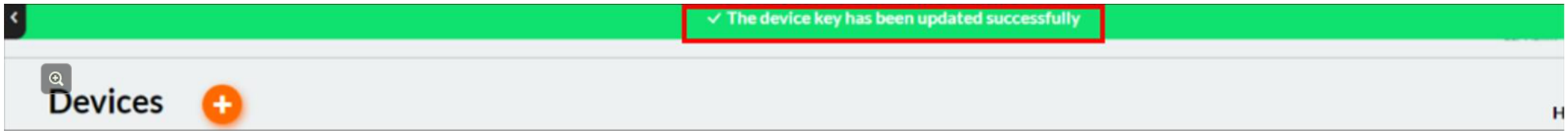
A message will be displayed stating that the Device key was successfully updated.



Note: Refer to the ThinkShield Web application User Guide for more information on how to configure each function in the ThinkShield Web application.

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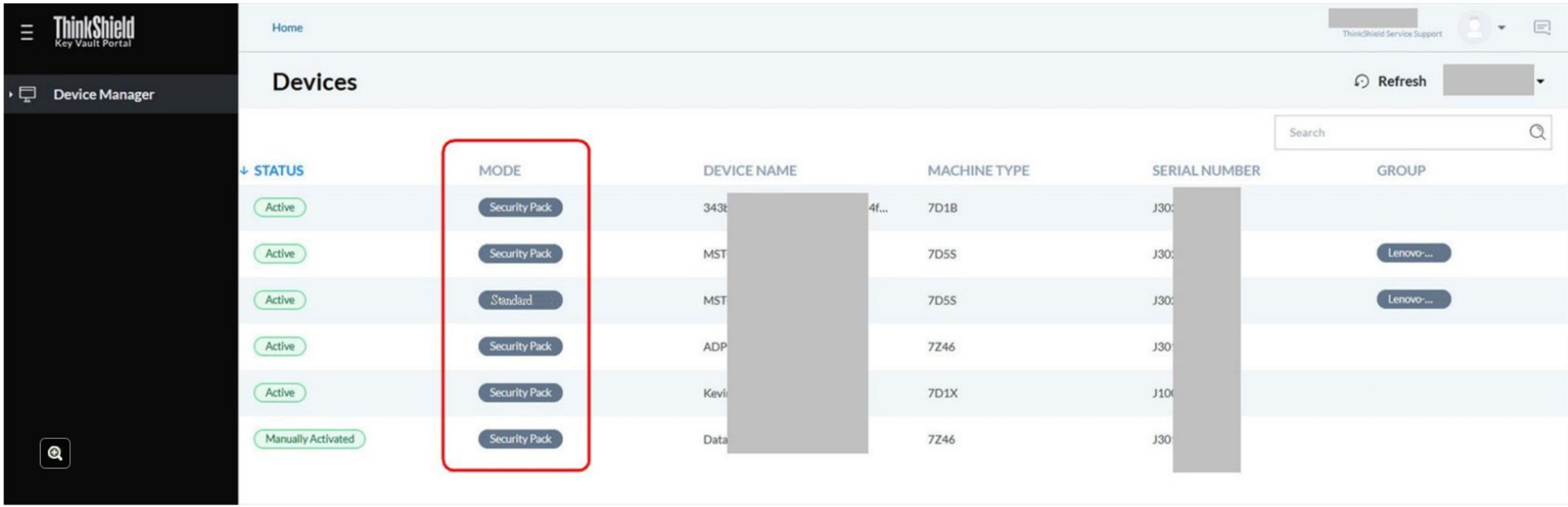
Check whether the device is displayed as Standard or Security Pack. If it should be Security Pack, go to the next step and use an IPMI command to update the device personality.



Step 1 2 3 4 5 6

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Connect the laptop to the XCC port that has IPMItool installed, and then run the following command to set the device mode as Security Pack:

```
>ipmitool -I lanplus -U USERID -P PASSW0RD -H 192.168.70.125 raw
0x3a 0xf2 0x10 0xea 0x1
```

Note: In this example, the XCC IP address is 192.168.70.125, the user ID is USERID, and the password is PASSW0RD (zero, not capital o).

Note: Refer to the ThinkShield Web application User Guide for more information on how to configure each function in the ThinkShield Web application.