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Mok enrolling on stock Ubuntu

Canonical Devices and IoT, Customer Engineering

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Introduction

There are some complex steps on stock Ubuntu to complete MOK enrollment while user manual installs dkms packages. So I write this document as a convenient guidance.

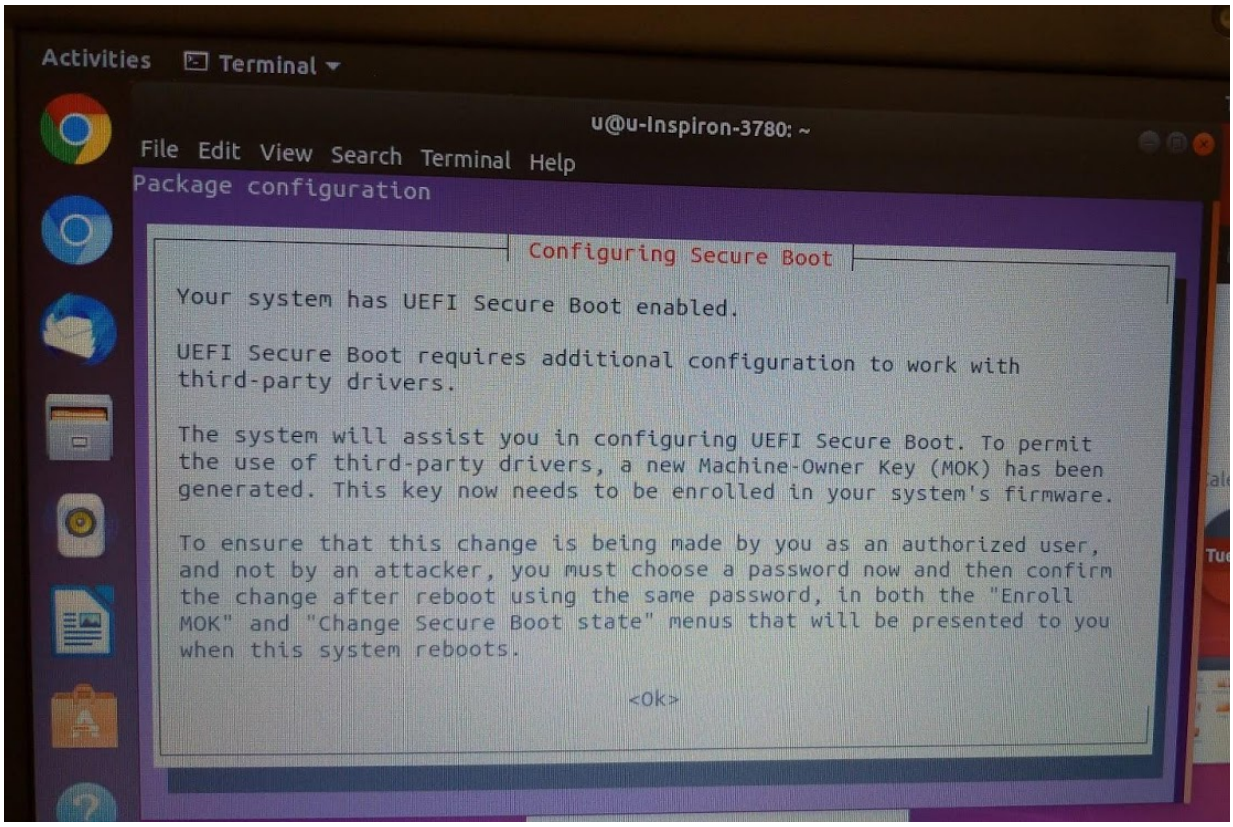
Steps on Stock Ubuntu

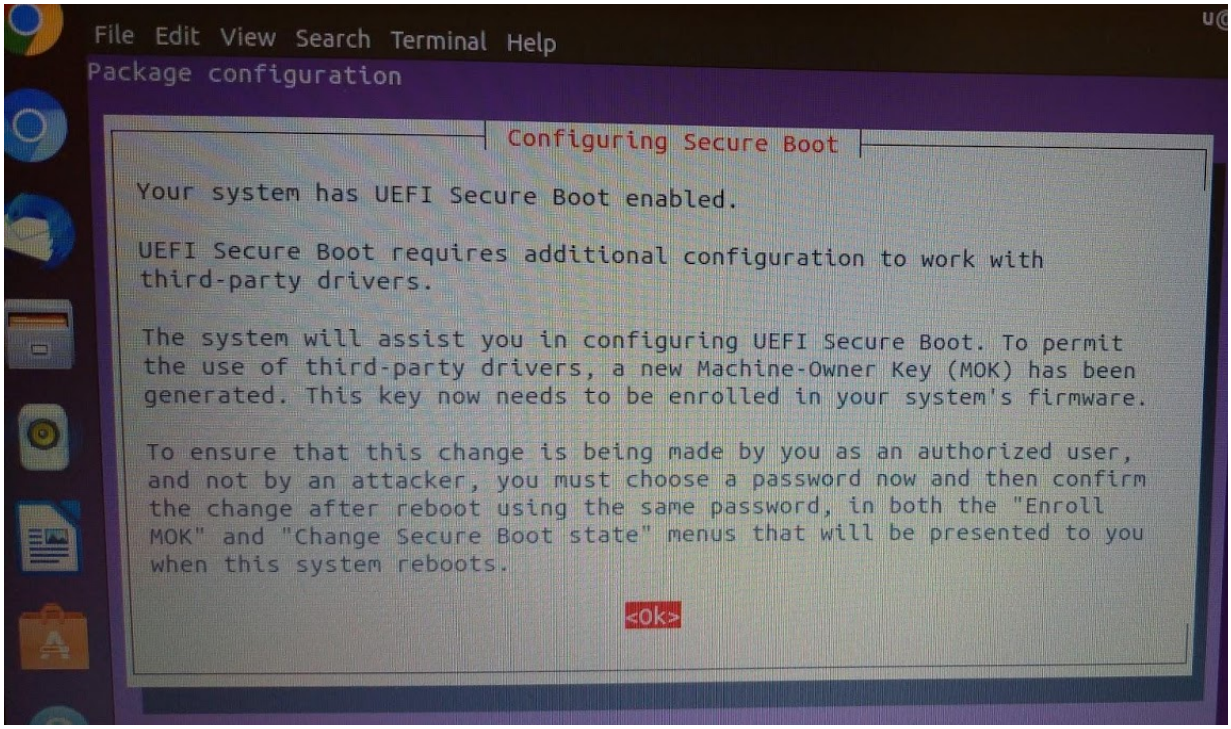
User login and install dkms manually:

Here we take an example of user installing acpi-call-dkms when secureboot be enabled.
Step 1: user installing acpi-call-dkms

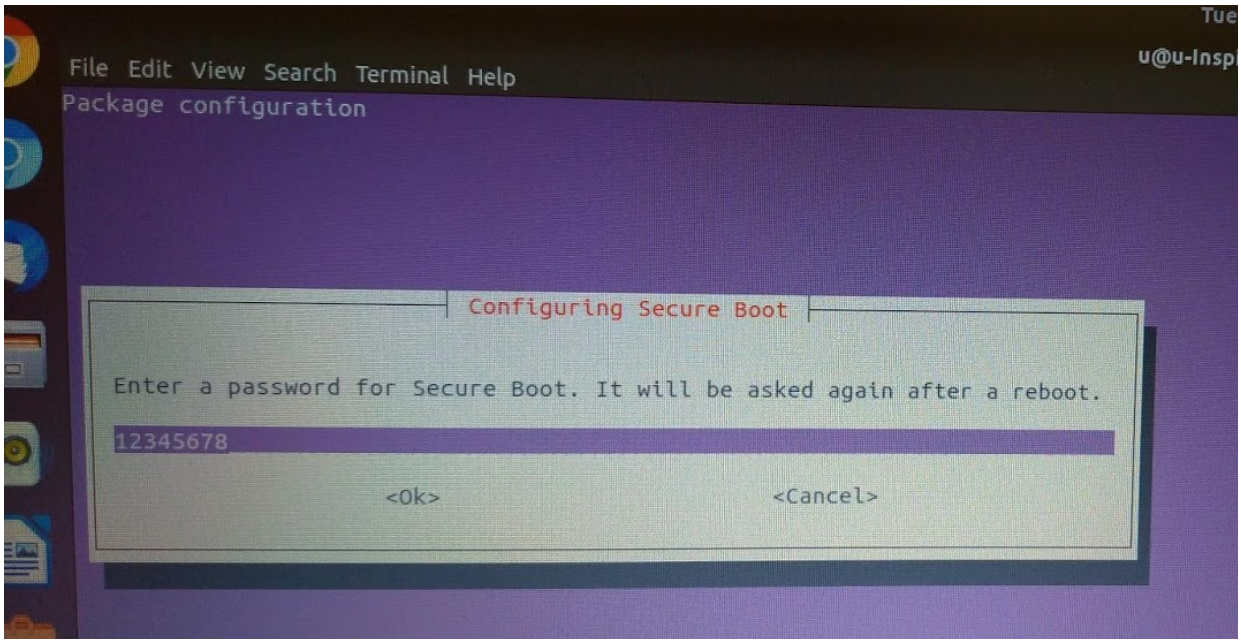
```
u@u-Inspiron-3780:~$ apt-cache search acpi | grep dkms
acpi-call-dkms - Kernel module that enables you to call ACPI methods
bbswitch-dkms - Interface for toggling the power on NVIDIA Optimus video cards
u@u-Inspiron-3780:~$ sudo apt-get install acpi-call-dkms
```

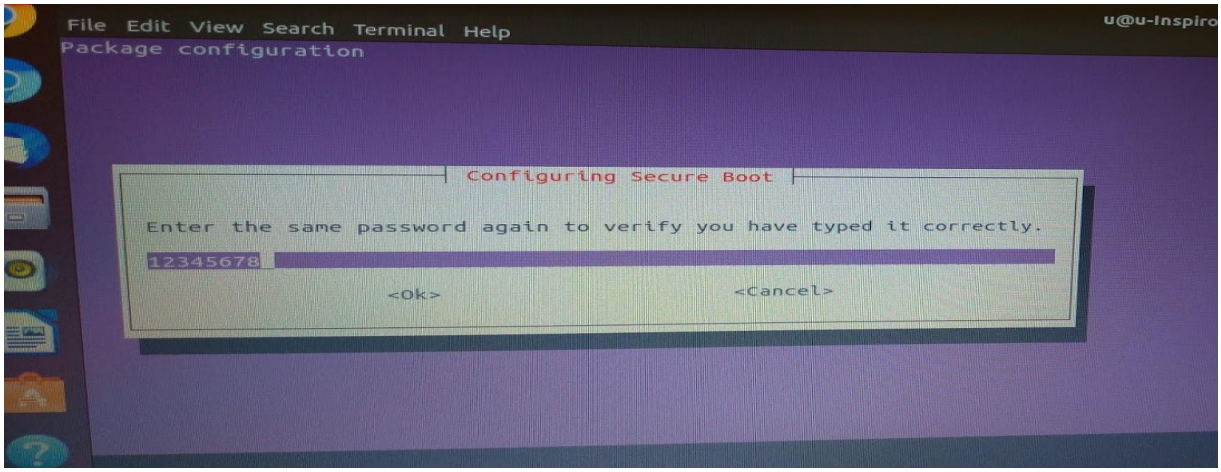
Step 2: user get prompt for mok enrollment




File Edit View Search Terminal Help
Package configuration
Configuring Secure Boot
Your system has UEFI Secure Boot enabled.
UEFI Secure Boot requires additional configuration to work with third-party drivers.
The system will assist you in configuring UEFI Secure Boot. To permit the use of third-party drivers, a new Machine-Owner Key (MOK) has been generated. This key now needs to be enrolled in your system's firmware.
To ensure that this change is being made by you as an authorized user, and not by an attacker, you must choose a password now and then confirm the change after reboot using the same password, in both the "Enroll MOK" and "Change Secure Boot state" menus that will be presented to you when this system reboots.
<Ok>

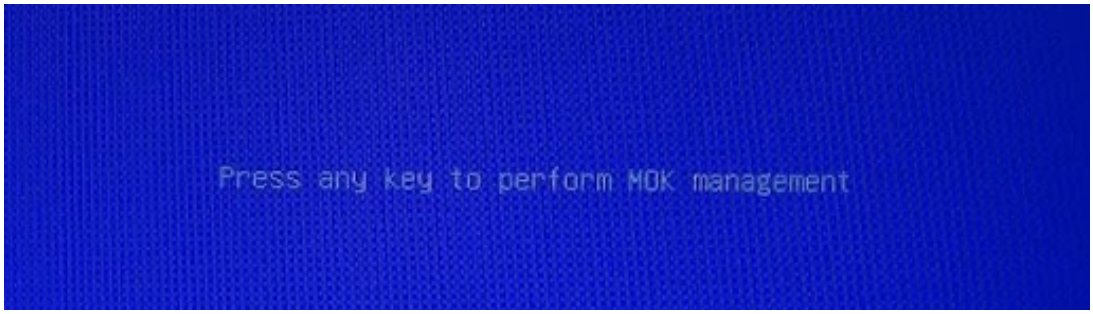
Step 3: The user decides a password phrase. **NOTE: please write down this password, it will be asked again in the next boot in the shim.**

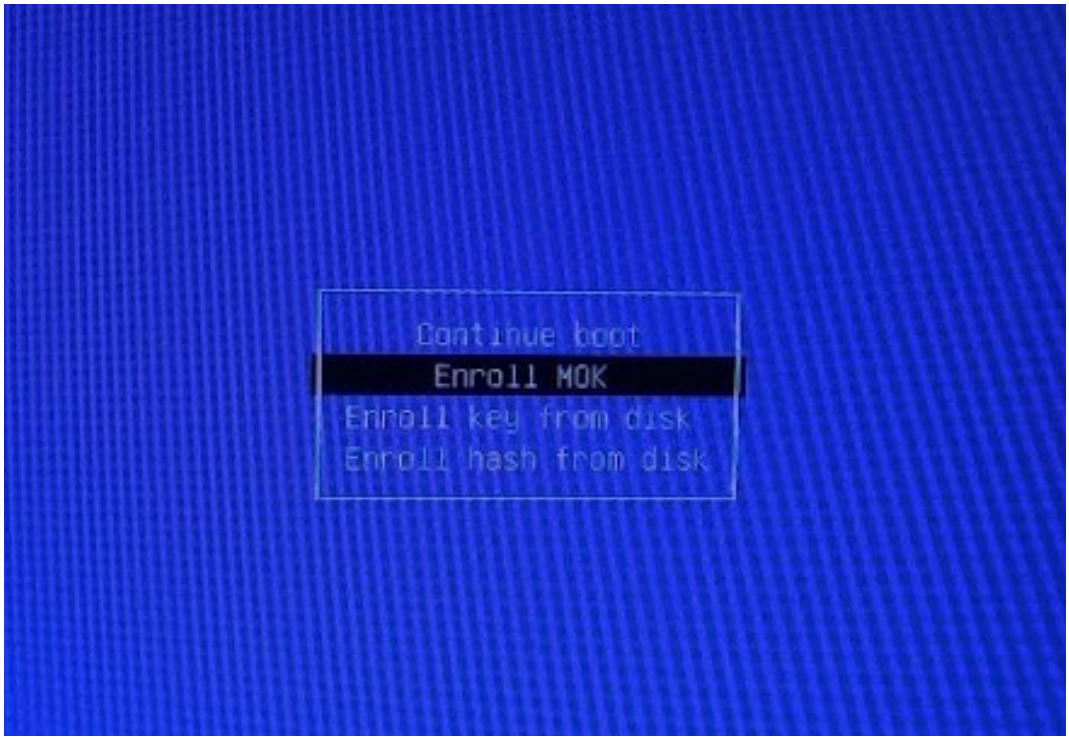


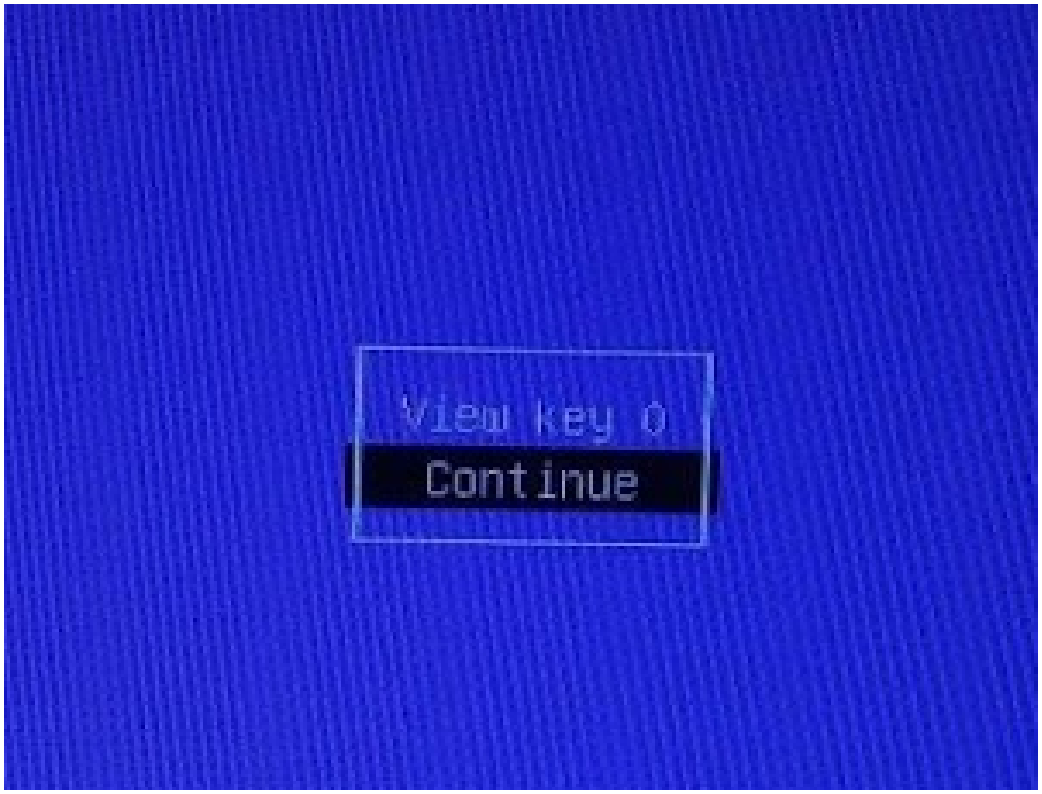


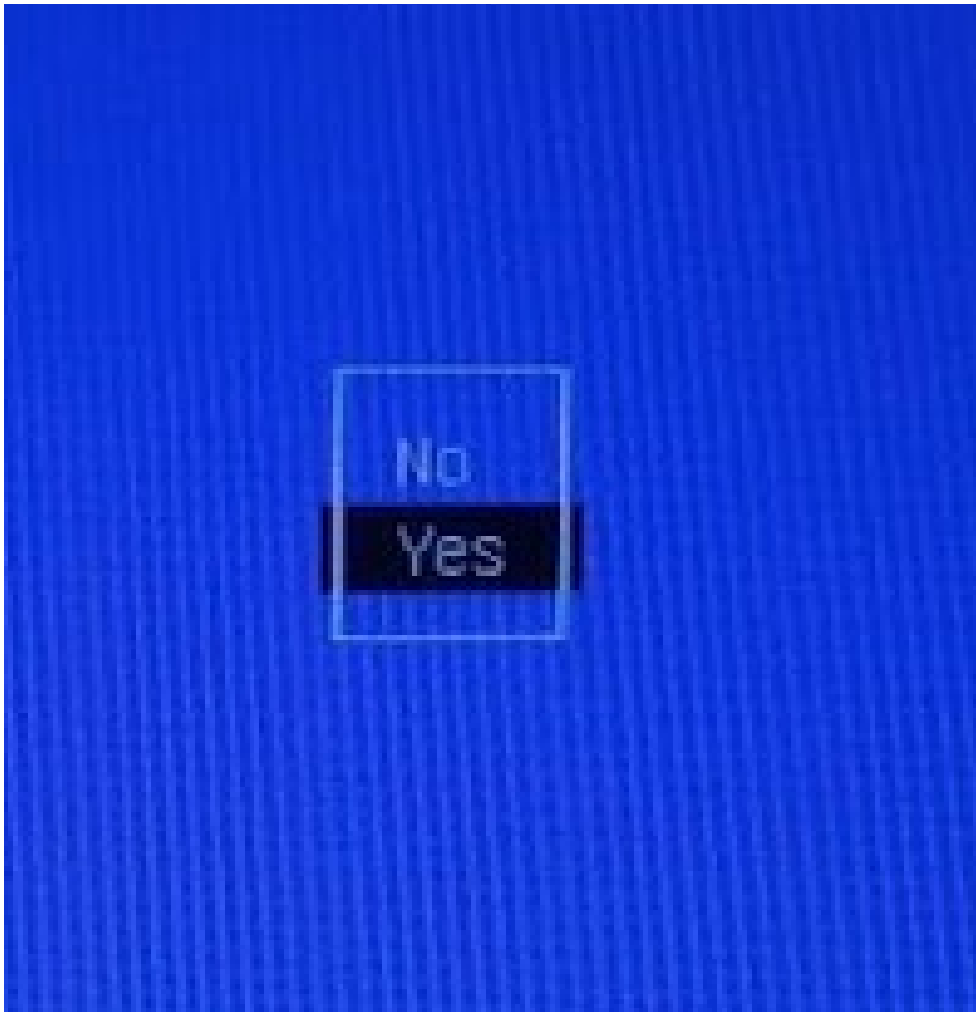
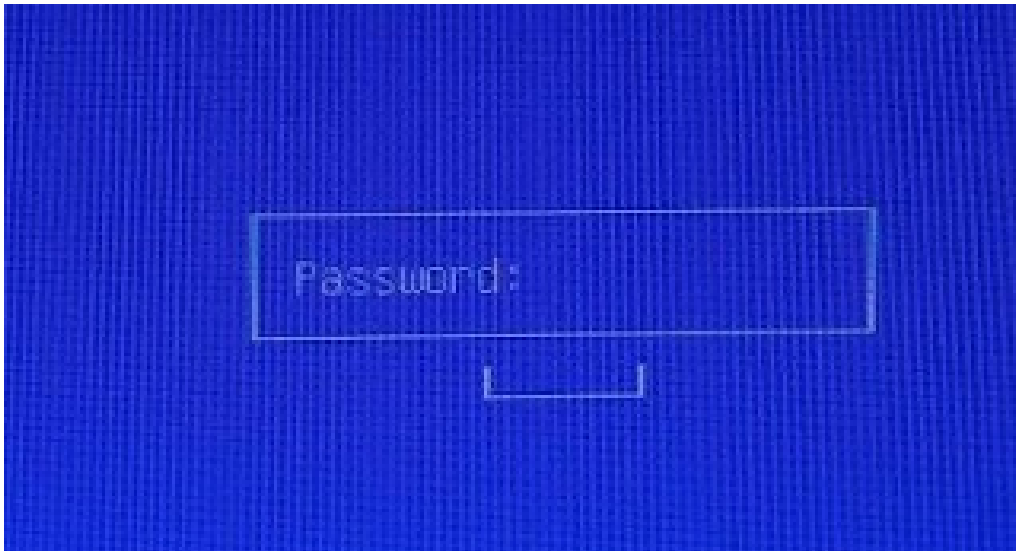
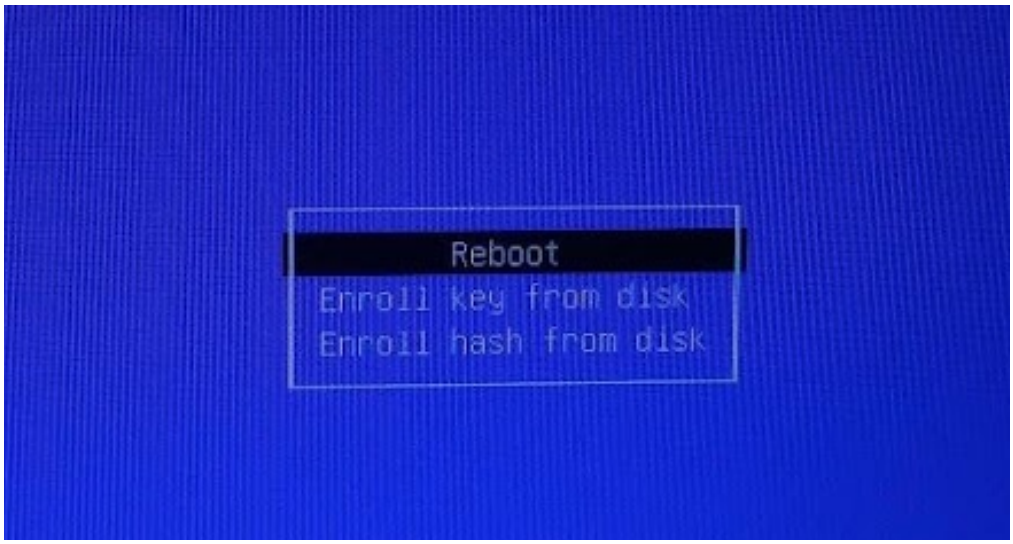
In the next boot:

BIOS will boot into the shim and ask the user to complete the MOK enrollment. **NOTE: This screen will be skipped after 6 seconds without operation.**


Press any key to perform MOK management


Continue boot
Enroll MOK
Enroll key from disk
Enroll hash from disk


View key 0
Continue


No
Yes

Please enter the password phrase that you inputted in the above step3.