# How to Expand JBOD for NVR7316

## Application Notes

## Version <1.0>

Surveon
Complete Megapixel Solutions    Technical Support Team

**[Pre-Procedure before You Start]**

■ The maximum capacity of big single RAID is up to**128TB** (8TBx16).

■ In 3.3.A01 version and below, NVR7316 does not support HDDs over 5TB yet.

■ Surveon recommends users to build UPS devices for NVR7316.

■ If users use 6TB or 8TB HDDs for NVR7316, it requires at least 10 minutes to mount or format the RAID.

**[Notice]**

■ For each storage device (such as NVR7316 local storage and each daisy-chaining JBOD), users can create multiple RAIDs. Please note that do not create a RAID from cross-platform storage. For example, do not create a RAID when combinesJOBD1 and NVR7316's local storage into one RAID. Or do not create a RAID combining JOBD1 and JBOD2.

■ When create a RAID, please start from the beginning of booting order.
In this case, the sequence for creating RAID should beNVR7316 > JBOD1>JBOD2> JBOD3.

■ After connecting SAS cables between NVR7316 and JBODs, please follow this booting up sequence: JBOD3 > JBOD2 > JBOD1 >NVR7316. Power on JBOD3 firstly and NVR7316 finally. When you follow the booting order, check and confirm whether the light already turns to green, and then boot next device.
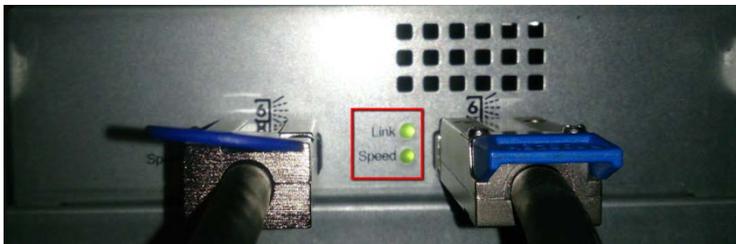




**[Expand JBODs for NVR7316]**

# 1. Setup JBOD ID

■ Please switch JBOD ID for each JBOD. ID should be from1 to 3.

In this case, we recommend you setup ID as the following rules:
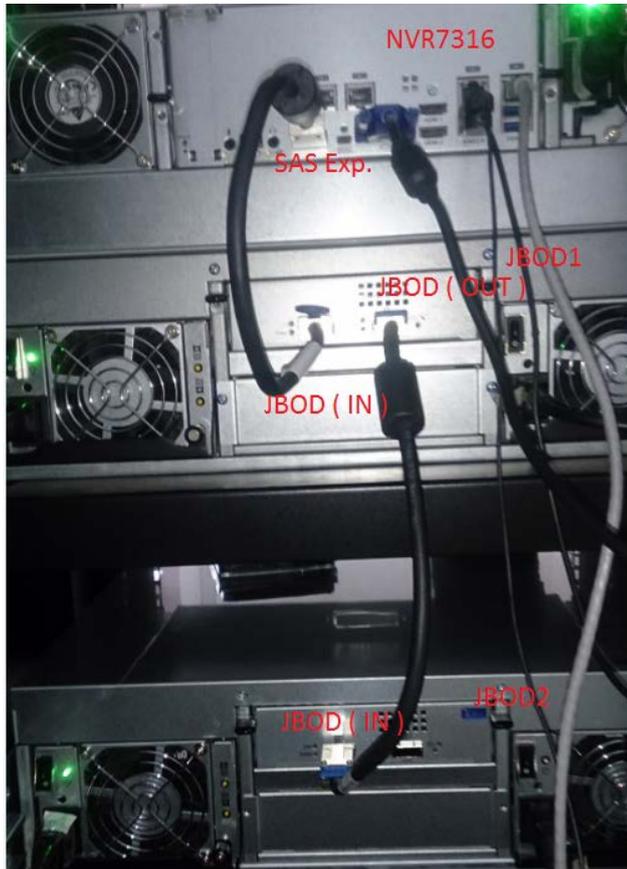
JBOD 1, ID =1.

JBOD 2, ID =2.

JBOD 3, ID =3.

## 2. Connect SAS Cables to SAS Expansion Ports

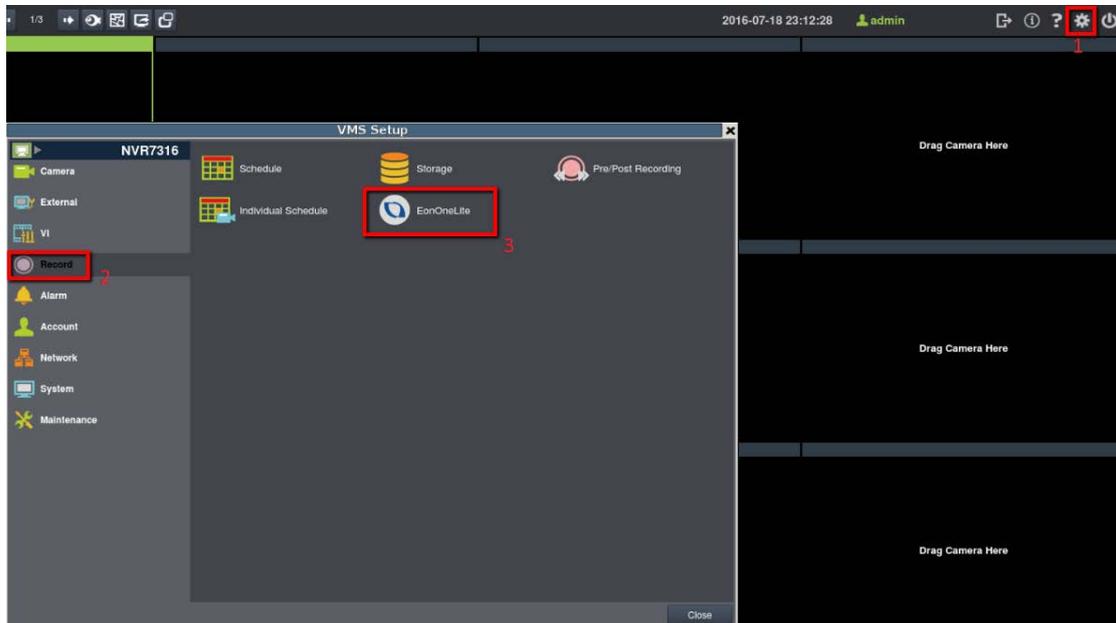■ Connect NVR7316 and JBODs as below:

NVR CH1>JBOD1's IN Port

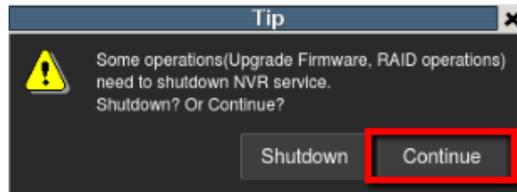JBOD1's OUT Port>JBOD2's IN Port

JBOD2's OUT Port>JBOD3's IN Port

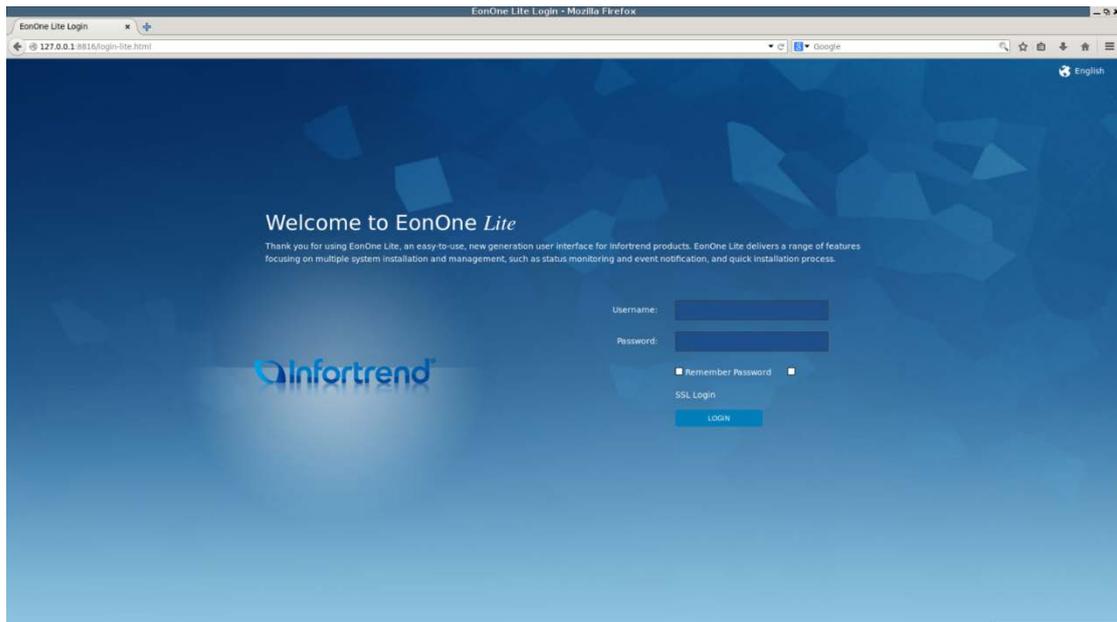## 3. Create a RAID Array onNVR7316 System.

■  Firstly, place HDDs into NVR7316.

■  Go to "Setup"⚙>"Record">"EonOneLite".



■  The system will show this tip in pop-up window. Press "Continue".

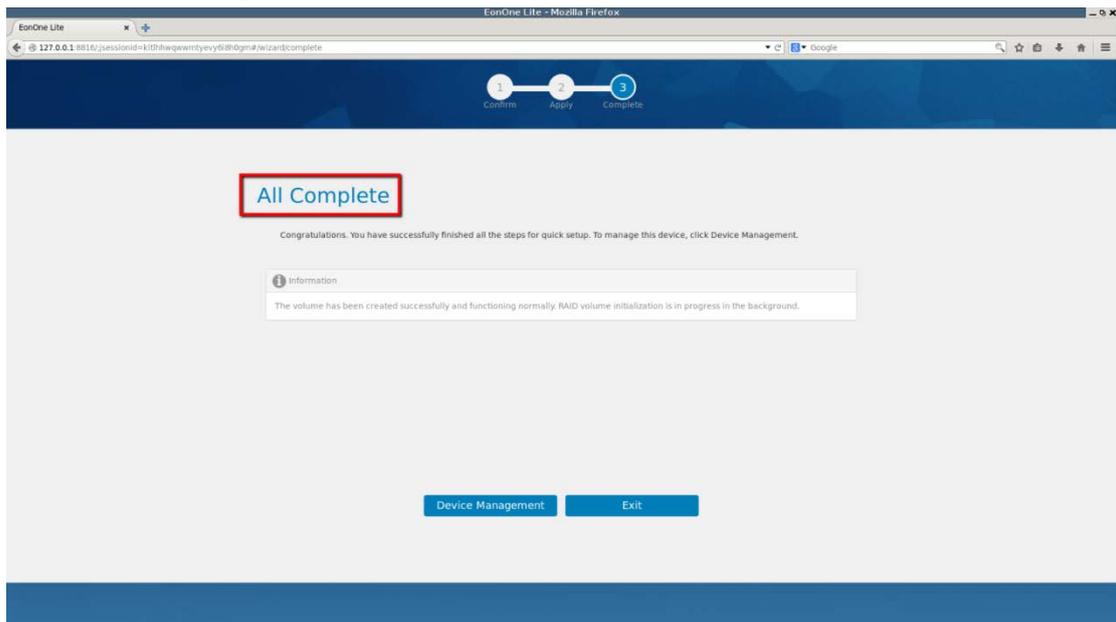■ Log in EonOneLite. The default username and password are: admin / admin.



■ EonOneLite will detect your HDDs. You can select one RAID level in the drop-down list and press "Confirm and Start" to process.
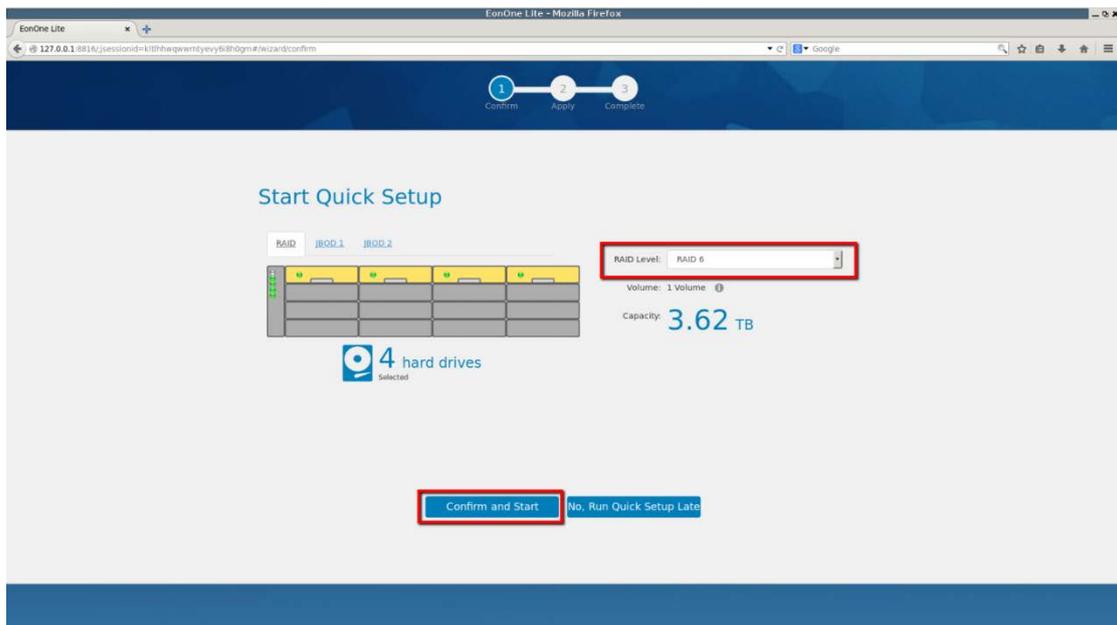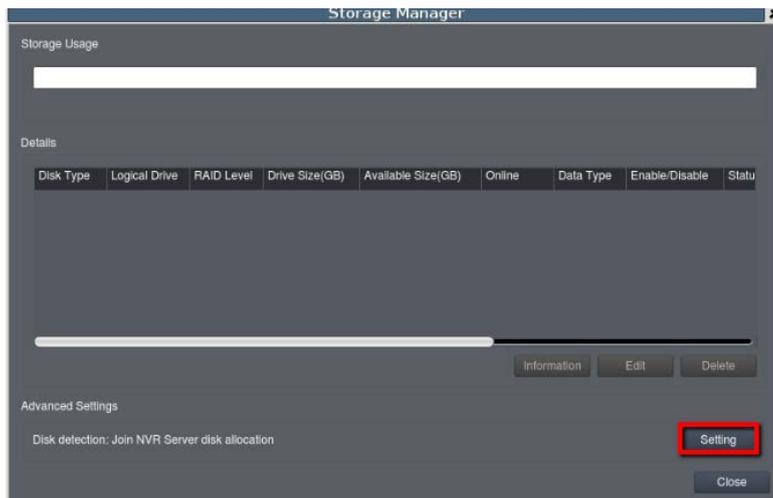
■ Please wait for a while.
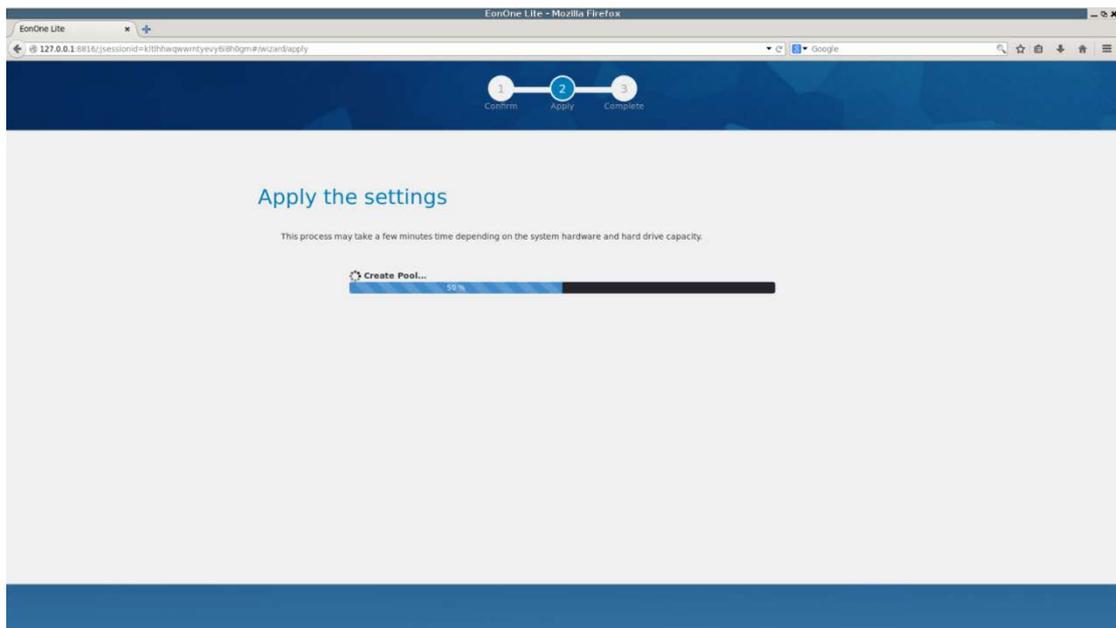


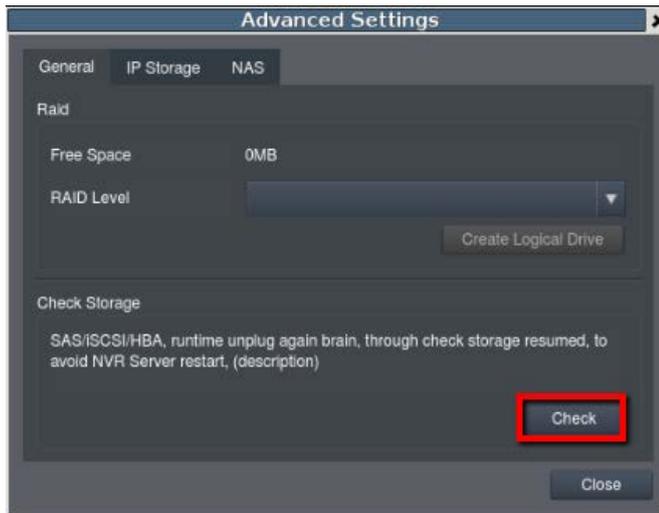■ After finishing, it will show "All Complete" and press "X" or "Exit" to exit.
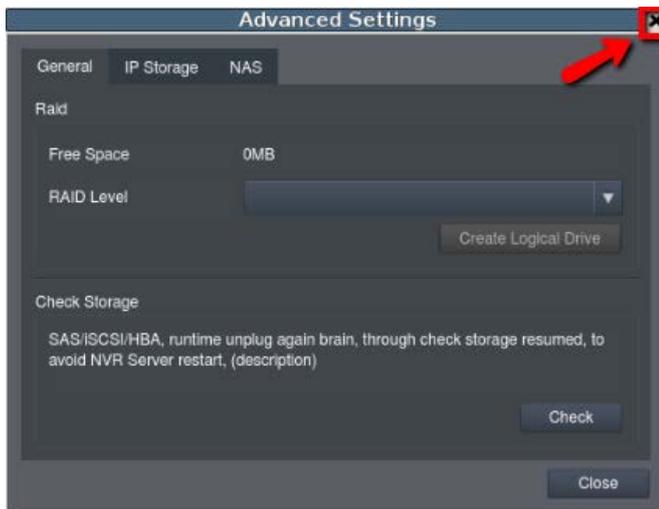
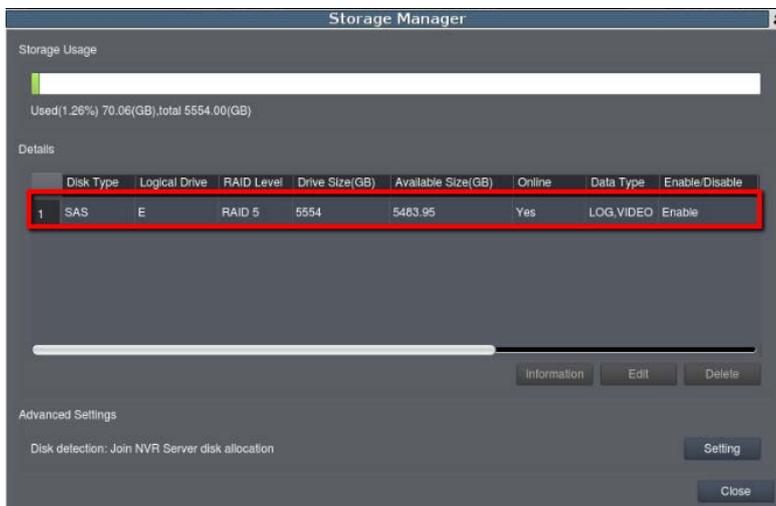■ Go to "Setup"⚙>"Record"> "Storage".
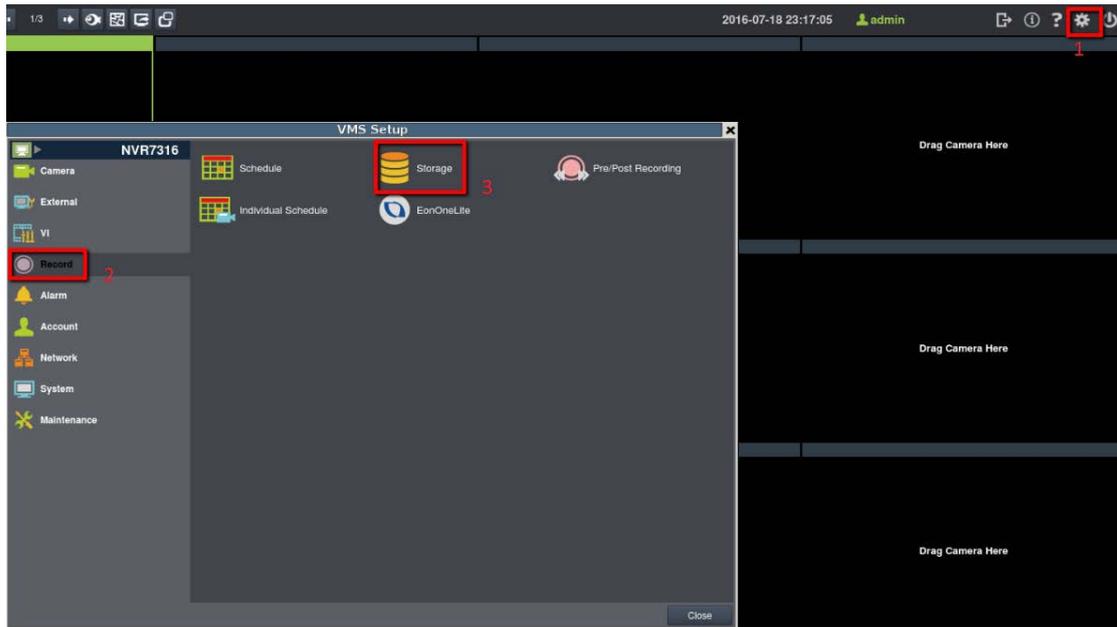


■ Press "Setting".

■ Press "Check" and wait for a while.



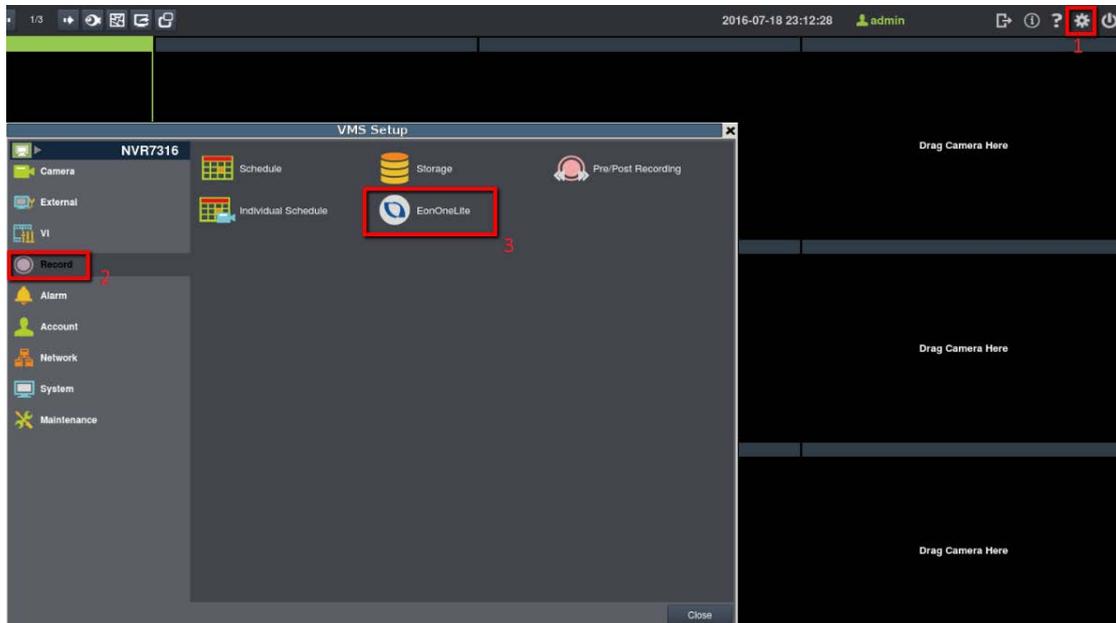■ After finishing, press "X" or "Close" to close the window.
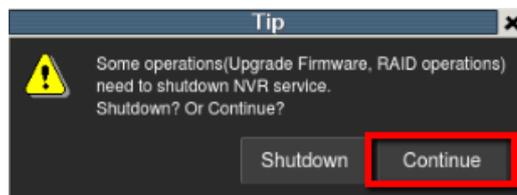


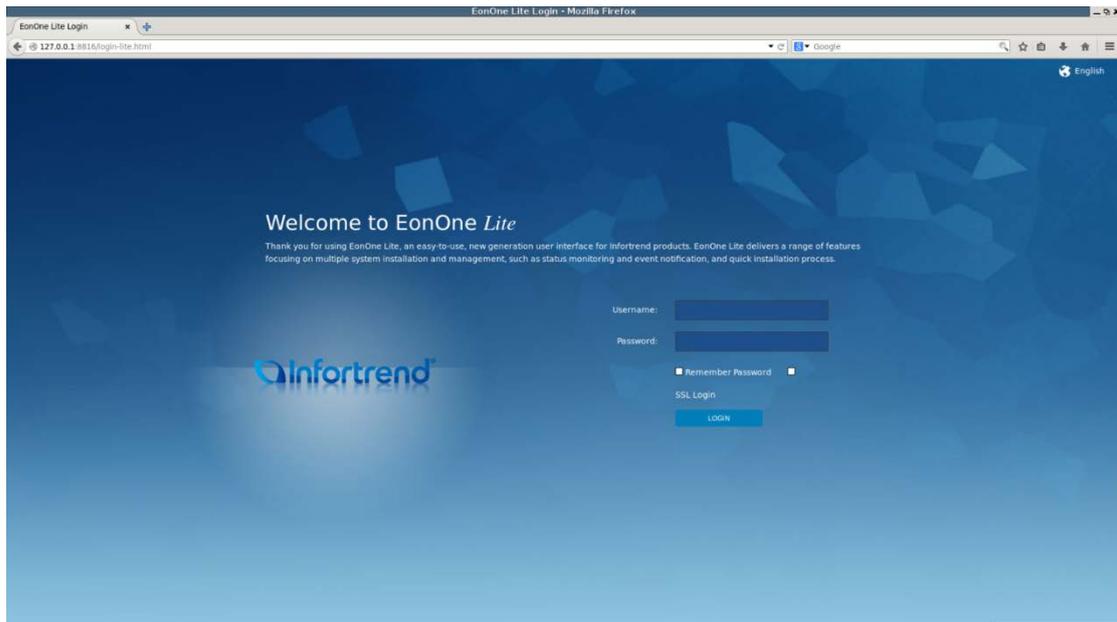■ You can see your RAID on the list.

## 4. Create a RAID Array on JBOD1

■ Place HDDs into JBOD1.

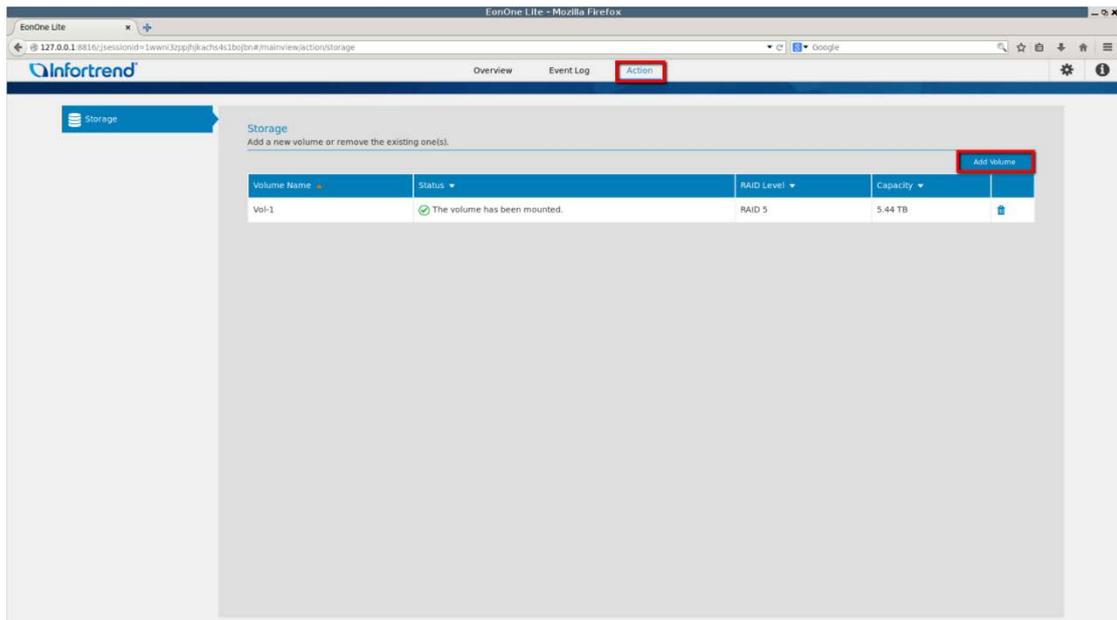■ Go to NVR local server screen, "Setup"⚙>"Record">"EonOneLite".



■ The system will show this pop-up tip, and then press "Continue" to launch EonOneLite.

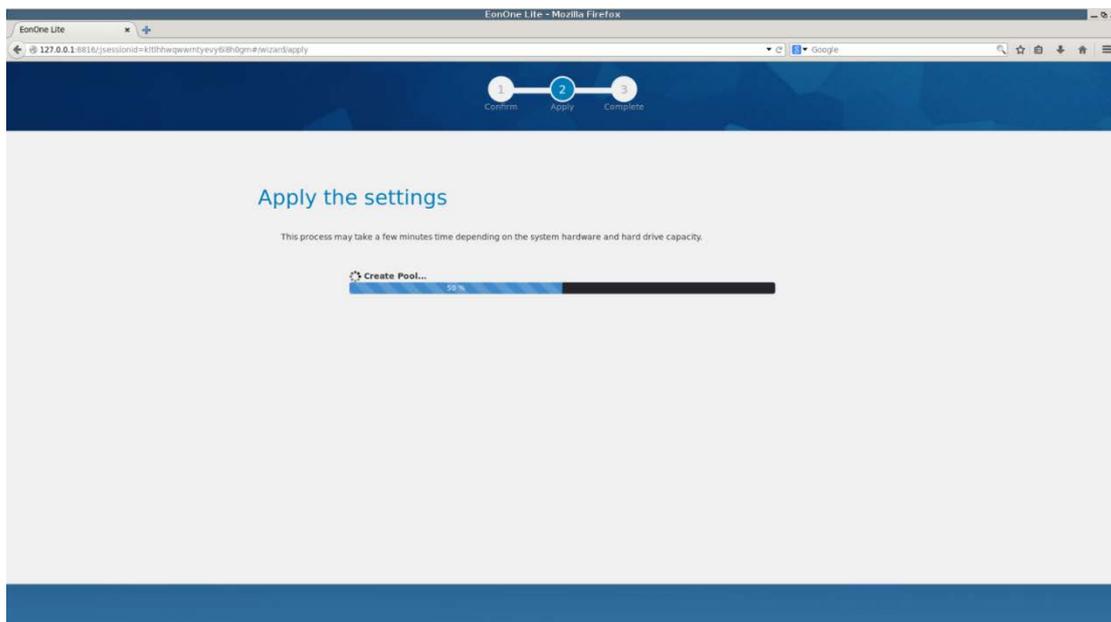■ Log in EonOneLite. The default username and password are: admin / admin.
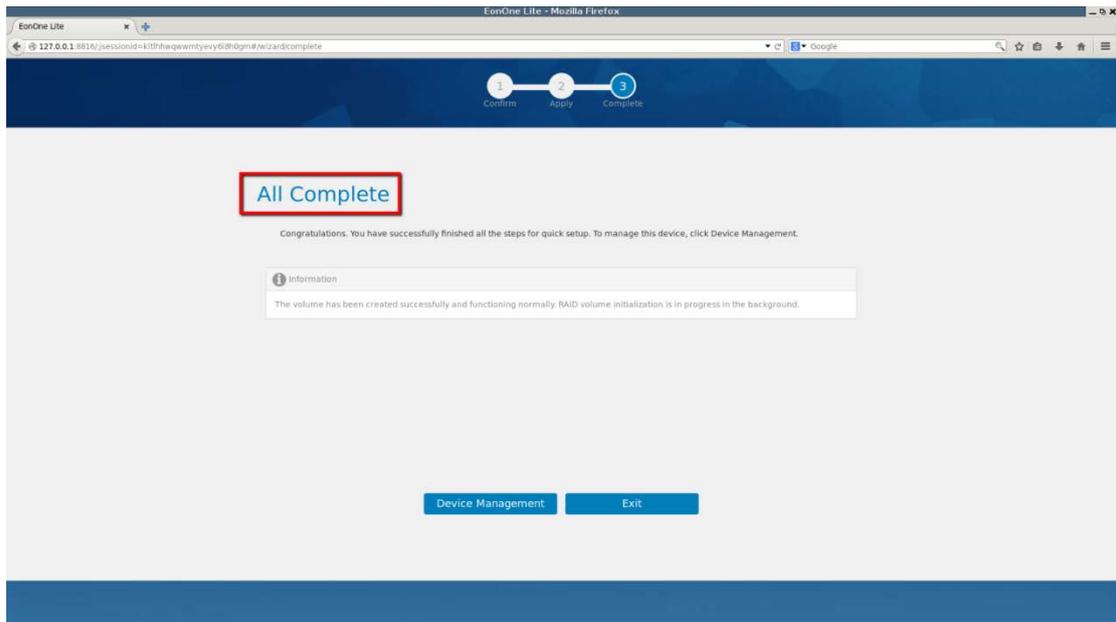


■ Select "Action" tab and press "Add Volume".

■ EonOneLite will detect your HDDs. You can easily set your RAID level in this step. Select one JBOD tab. In RAID Level drop-down list, select one RAID Level for this JBOD. Press "Confirm and Start".
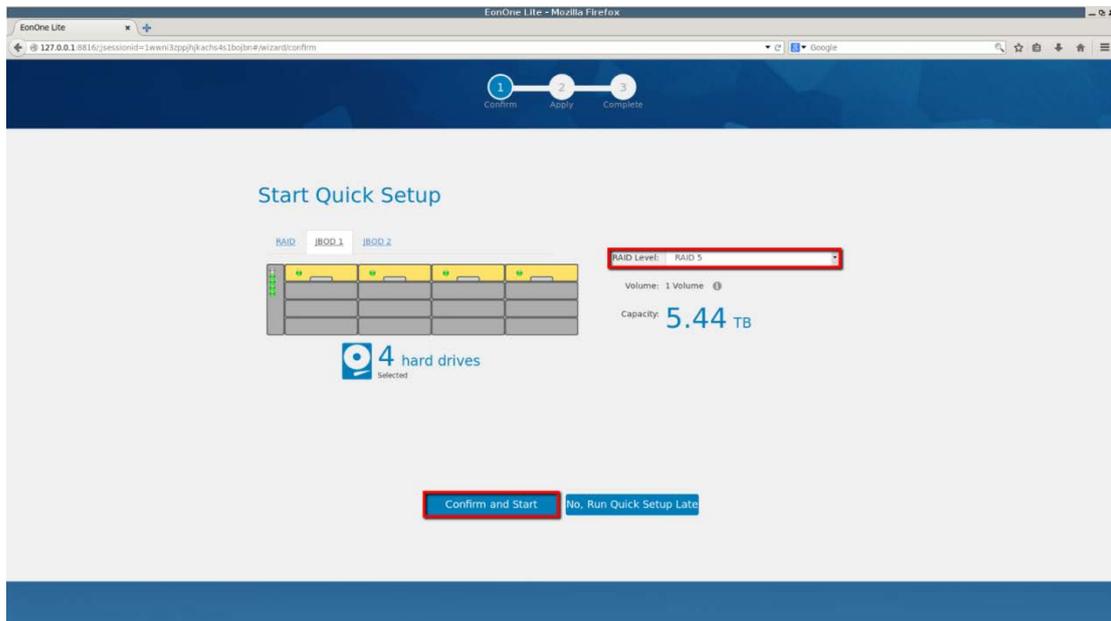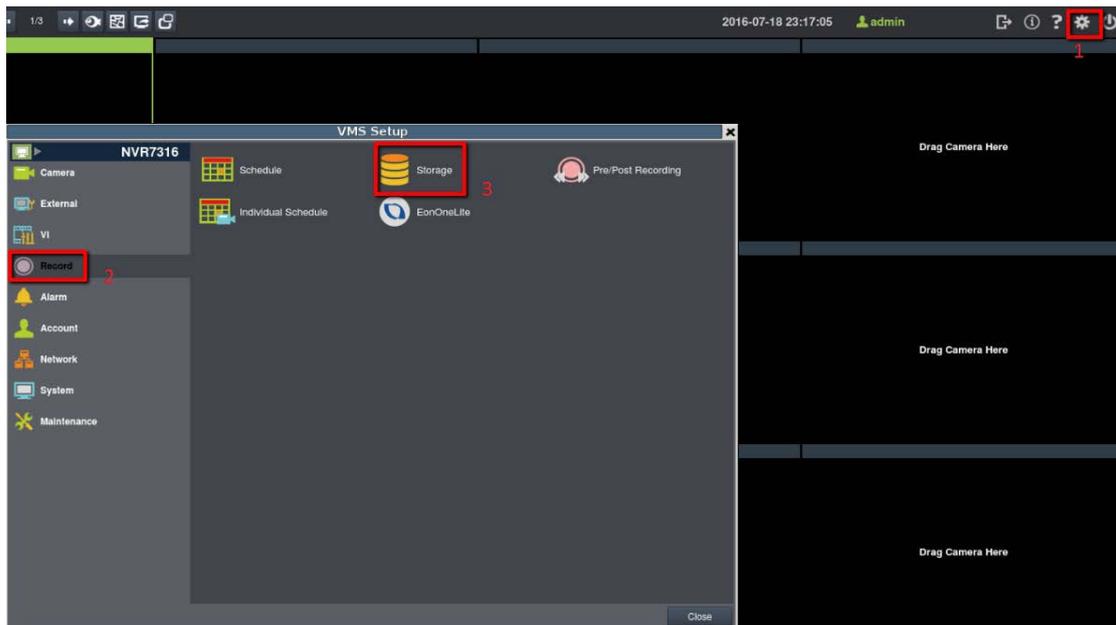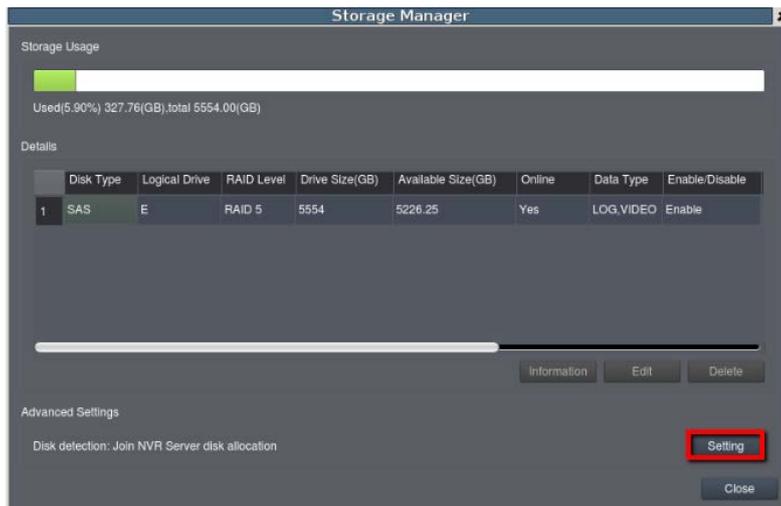


■ Please wait for a while.

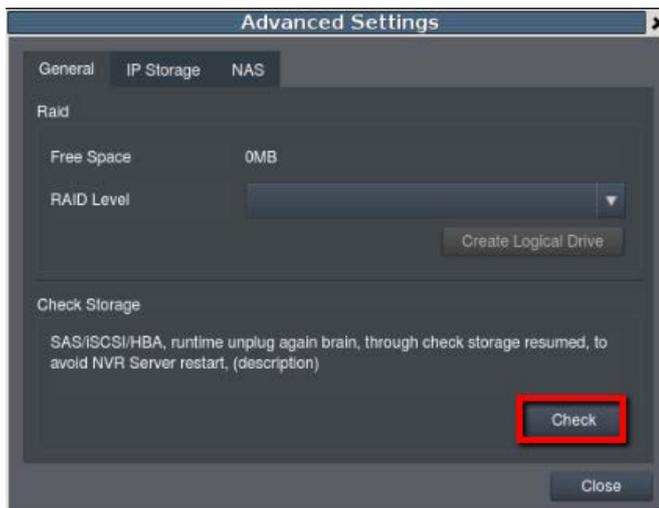■ After finishing, it will show "All Complete" and press "X" or "Exit" to exit.
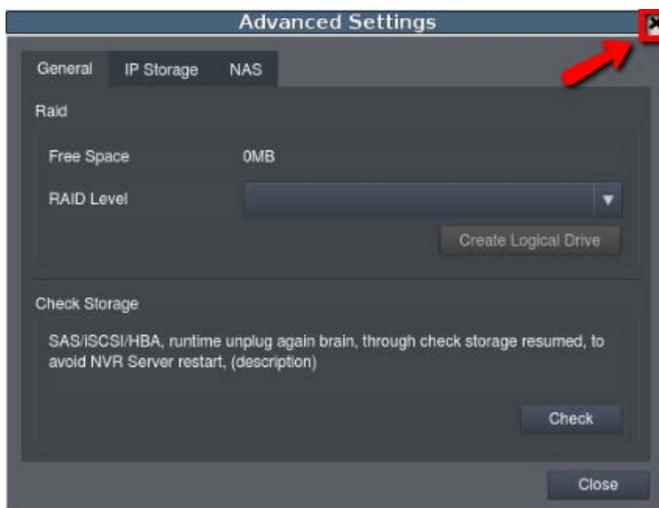


■ Go to "Setup"⚙>"Record"> "Storage".

■ Press "Setting".


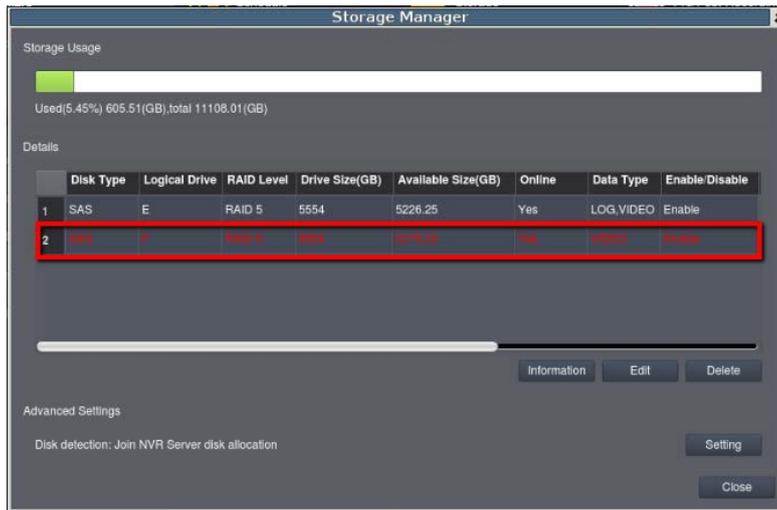
■ Select "General" tab >"Check" and wait for a while.



■ After finishing, press "X" or "Close" to exit.

■   You can see your RAID on the list.



※ If you need to expand more JOBDs, repeat the same procedure above.