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## VOS Device License and Subjugation FAQs

This article provides answers to frequently asked questions (FAQs) related to Versa Operating System™ (VOS™) device licenses.

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### Frequently Asked Questions

#### **What is the default behavior of a new VOS device with regards to the factory license key?**

Each VOS device has a default trial license key that is valid for 45 days. During the trial period, no session restrictions are applied to the VOS device. When the license key expires, a VOS device is restricted to only 30 concurrent sessions. To avoid this restriction, subjugate the VOS device to a Director node through a Netconf session. The Director node must have a valid license to manage the VOS device.

#### **What happens when a VOS device is disconnected from the Director node that is managing the device?**

If the VOS device is not connected to a Director node for a grace period of up to 14 days, the VOS device decrements from the 45-day trial period, and each day after the grace period it remains disconnected from the Director node. When the trial period hits 0 days, the maximum concurrent sessions allowed is restricted to 30 sessions. If the VOS device connects to the Director node before the trial period expires, the restriction of 30 sessions is removed. If the connectivity is restored within the grace period, the trial period does not increment.

#### **What happens when a VOS device connects to the Director node intermittently?**

In a scenario where a VOS device disconnects from the Director node for 6 consecutive days and remains up for few more days, then goes down again for 6 consecutive days, and finally the device is up and reconnects to the Director node through a Netconf session, then the trial period left is 45 days. The VOS device has to be disconnected for more than 14 days for the 45-day trial period to clock down.

#### **What happens to an unexpired key on a VOS device that is not subjugated to a Director node?**

1. If a VOS device is not subjugated and is running for 25 days, then there are 20 days remaining of the 45-day trial period.
2. The VOS device is connected to the Director node, subjugated through a Netconf session, and remains connected for a month, there is no decrementing of the days of the 45-day trial period.
3. Then, if the VOS device is disconnected for 9 days from the Director node, meaning 9 days of total Netconf inactivity, there is no session restriction applied. After the 14-day grace period, the countdown starts, with 18 days remaining. The license is active for 13 days until the device is disconnected for 9 days, and now 5 days are decremented (9 days disconnected with 14-day grace period = 5 days).

4. When the connectivity to the VOS device is restored through a Netconf session, the countdown stops and the license key is valid for 18 days.

#### **What happens when a license key expires on a VOS device that was not subjugated to a Director node?**

When a license key expires on a VOS device that is not subjugated to a Director node, the maximum concurrent sessions allowed by the VOS device is restricted to 30 sessions.

#### **What is the difference between Netconf disconnected and southbound locked on a VOS device?**

There is no difference between southbound locked and Director node Netconf session hard down from the VOS device perspective. In both cases, there is no Netconf connection to the VOS device. When there is no Netconf connection from the Director node, the VOS device uses the 45-day trial period. After the trial period, the VOS device switches to minimal mode (maximum 30 sessions).

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## Additional Information

[Licensing Overview](#)