

Device Tiering Guide for Portability of Perpetual Licenses

As described in the Cisco Software License Portability FAQ, the hardware product series and/or tier on which you have deployed your perpetual licenses determines your portability options. Perpetual licenses are portable within a product tier.

Devices with greater capabilities are categorized in a higher tier because they gain more benefit from the capabilities in software. You can port your perpetual licenses to a higher tier, but an upgrade fee may be involved. Table 1 describes the different equipment refresh scenarios. Subsequent tables describe the tiers for each family of hardware.

Table 1. Perpetual license portability use cases

Use case	Policy	Cost
<p>Refresh a device with a device in the same tier. Example: Cisco 4331 ISR to 4351 ISR</p>	<p>If a Cisco Software Support Services (SWSS) contract is in place, the software can be used on the new device</p>	<p>None</p>
<p>Refresh a device with a device in a higher tier. Example: Cisco 1100 ISR to 4451 ISR</p>	<p>You must pay a software upgrade fee to use the software from the original device on the replacement device</p> <p>You must purchase an upgraded Cisco SWSS contract for the new software. You receive a credit for the old support contract</p>	<p>The cost is the perpetual license cost on the new device minus the license cost on the old device, at current list prices, subject to customer-negotiated discounts</p> <p>You also need to consider the cost of the upgraded Cisco SWSS contract</p>
<p>Refresh a device with a device in a lower tier. Example: Cisco 4331 ISR to 1100 ISR</p>	<p>You are entitled to use the software deployed on your original device on a lower tier replacement device. You retain license portability rights associated with the original device family, so you can subsequently refresh the device back to the original device family</p> <p>You can opt to downgrade the perpetual license permanently to the lower tier device family, which would allow you to renew your Cisco SWSS contract at a lower price. In that case, the license entitlement is set permanently to the lower-tier family</p>	<p>None. The support contract remains with the original device family</p> <p>If you permanently downgrade, you may renew your Cisco SWSS contract at a lower price</p>
<p>Refresh a device with a next generation device. Example: Cisco 3925 ISR to 4000 Series ISR</p>	<p>In this case, the transfer depends on whether the next-generation device is considered the same tier as the existing device, or a higher or lower tier. Depending on the tier, the policies outlined above apply. In all cases, you must migrate your perpetual software licenses to a next-generation device before your older device reaches end of support. At this stage, your Cisco SWSS contact will have expired and you will not meet the portability criteria</p>	<p>The tier of the next-generation device determines the cost. Depending on the tier, the policies outlined above apply</p>

The following tables provide guidance on which products belong to which tiers for the purposes of perpetual license portability.

Table 2. Cisco ISR and ASR series routers with Cisco ONE - license portability tiers

Portability tiers	Current gen	Next gen
Cisco Integrated Services Routers		
Tier 1	Cisco 8xx Series ISRs ISR 880, ISR 890	
Tier 2	Cisco 19xx Series ISRs ISR 1921, ISR 1941	Cisco 11xx and 42xx Series ISR 1100 ISR 4221
Tier 3	Cisco 29xx Series ISRs ISR 2901, ISR 2911, ISR 2921, ISR 2951	Cisco 43xx Series ISRs ISR 4321, ISR 4331, ISR 4351
Tier 4	Cisco 39xx Series ISRs ISR 3925, ISR 3945, ISR 3925E, ISR 3945E	ISR 4431, ISR 4451
Cisco aggregation services routers		
Tier 5	ASR 1013, ASR 1009-X, ASR 1006, ASR 1006-X, ASR 1004, ASR 1002-X/HX, ASR 1001-X/HX	

Table 3. Cisco ASR 9000 routers with Cisco ONE - license portability tiers

Portability tiers	Cisco ASR 9000 series aggregation services routers
Tier 1	ASR-9001
Tier 2	A9K-MOD200-TR, A9K-MOD200-SE A9K-48X10GE-1G-TR, A9K-48X10GE-1G-SE, A9K-24X10GE-1G-TR, A9K-24X10GE-1G-SE
Tier 3	A9K-4X100GE-TR, A9K-4X100GE-SE A9K-MOD400-TR, A9K-MOD400-SE

Table 4. Cisco Nexus and MDS Switches with Cisco ONE - license portability tiers

Portability tiers	Cisco Nexus and MDS series switches
Tier 1	<p>Cisco Nexus 3048 Series Switches Nexus 3048</p> <p>Cisco Nexus 5548 Series Switches Nexus 5548</p> <p>MDS 9100 Multilayer Fabric Switches MDS 9100</p> <p>Nexus 9300 Series (1G) Switches Nexus 9348GC-FXP</p>
Tier 2	<p>Nexus 31xx Series Switches Nexus 3132, Nexus 3164, Nexus 3172, Nexus 3108</p> <p>Nexus 32xx Series Switches Nexus 3232, Nexus 3264</p> <p>Nexus 35xx Series Switches Nexus 3524, Nexus 3548</p> <p>Nexus 5596 Series Switches Nexus 5596</p> <p>Nexus 56xx Series Switches Nexus 5624, Nexus 5648, Nexus 5672, Nexus 5696, Nexus 56128</p> <p>Nexus 6000 Series Switches Nexus 6001, Nexus 6004</p> <p>Nexus 77xx Series Switches Nexus 7706-EN</p> <p>Nexus 9200 Series Switches Nexus 9200</p> <p>MDS 9200 Series Multiservice Switches MDS 9200</p> <p>MDS 9300 Series Multiservice Switches MDS 9300</p> <p>Nexus 93xx and 93xxx Series (10G or higher) Switches Nexus 9332, Nexus 9364, Nexus 9372, Nexus 9396 Nexus 93108, Nexus 93120, Nexus 93128</p>

Portability tiers	Cisco Nexus and MDS series switches
Tier 3	<p>Nexus 7000 Series Switches Nexus 7004</p> <p>Nexus 77xx Series Switches Nexus 7702</p> <p>Nexus 95xx Series Switches Nexus 9504, Nexus 9508, Nexus 9516</p>
Tier 4	<p>Nexus 7000 Series Switches Nexus 7009, Nexus 7010, Nexus 7018</p> <p>Nexus 77xx Series Switches Nexus 7706, Nexus 7706-EN, Nexus 7710, Nexus 7718</p> <p>MDS 9700 Series Multiservice Switches MDS 9700</p>

Table 5. Cisco Catalyst and Industrial Ethernet Switches with Cisco ONE - license portability tiers

Portability tiers	Cisco Catalyst and Industrial Ethernet series switches
Tier 1	<p>Catalyst 35xx Series C3560CX</p> <p>Cisco Industrial Ethernet 4000 and 5000 Series IE 4xxx, IE 5xxx</p>
Tier 2	<p>Catalyst 36xx Series C3650-24xx, C3650-48xx</p> <p>Catalyst 37xx Series C3750X</p> <p>Catalyst 38xx Series C3850-24xx, C3850-48xx</p>

Portability tiers	Cisco Catalyst and Industrial Ethernet series switches
Tier 3	Catalyst 38xx Fiber Series C3850-12xx Fiber, C3850-24xx Fiber, C3850-48xx Fiber Catalyst 4500X Series C4500X-16xx, C4500X-24xx, C4500X-32xx Catalyst 68xx Series C6816, C6824, C6832, C6840
Tier 4	Catalyst 4500E Series C4503, C4506, C4507, C4510
Tier 5	Catalyst 68xx Series C6807, C6880

Table 6. Cisco Aironet Controllers with Cisco ONE - license portability tiers¹

Portability tiers	Cisco Aironet controllers
Tier 1	Cisco WLC 2504, Cisco WLC 3504 Cisco WLC 5508, Cisco WLC 5520 Cisco WLC 5760 Cisco WLC 7510 Cisco WLC 8510, Cisco WLC 8540 Cisco ONE Wireless Service Module (WiSM-2) Cisco vWLC

¹ Both physical and virtual wireless controllers are in the same tier for license portability purposes. In addition, Cisco ONE wireless controllers and unified access catalyst switch are classified in the same portability tier for Cisco ONE Wireless license portability. Cisco ONE Wireless license can be ported from a wireless controller to a unified access Cisco Catalyst switch and vice versa at no cost.

Porting Guide for Cisco Evolved Programmable Network Manager (EPN-M)

If the requirements in the relevant Supplemental End User License Agreement (SEULA) involving EPN-M and the Software Innovation Access terms are met, the software license entitlements can be reassigned amongst the devices listed in the table below. Once you have reassigned the license entitlement to a different device, you must deactivate the license entitlement on the original device.

Contact your authorized Cisco representative if you have further questions.

Table 7. Evolved Programmable Network Manager (EPN-M) portability tier

Portability tiers	Cisco NCS series routers and line cards
Tier 1	<p>NCS 540: N540-24Z8Q2C-SYS N540X-24Z8Q2C-SYS</p> <p>NCS 5500: NCS-5500-SYS NCS-5501-SYS NCS-5501-SE-SYS NCS-5502-SYS NCS-5502-SE-SYS NCS-5504-SYS NCS-5508-SYS NCS-5516-SYS NCS-55A1-24H-SYS NCS-55A1-36H-SYS NCS-55A1-36HS-SYS NCS-55A2-MOD-SYS NCS-55A2-MODH-SYS NCS-55A2-MODS-SYS</p> <p>NCS 5500 Line Cards: NC-55-36X100G NC-55-36X100GA-SE NC-55-36X100G-S NC-55-24X100G-SE NC-55-18H18F NC-55-24H12F-SE NC-55-6X2H-DWDM-S NC-55-MOD-A NC-55-MOD-A-SE NC55-MPA-4H-S NC55-MPA-4H-HD-S NC55-MPA-12T-S NC55-MPA-2TH-S NC55-MPA-1TH2H-S</p>