

Licensing on the Cisco IR800 Integrated Services Router

Licensing

This document provides details on the security licensing for the Cisco IR800 Integrated Services Router.

The IOS feature set is aligned with the IOT 15.x M/T release strategy. They are:

- S800IUK9-15503M – Cisco IR800 Series UNIVERSAL
- S800INPEK9-15503M – Cisco IR800 Series UNIVERSAL – NO PAYLOAD ENCRYPTION

Software License PIDs

The Software License PIDs are shown in the following table:

Table 1: Software License PIDs

Software PID	Name	Description
SL-IR800-IPB-K9	Cisco 800 Series Industrial Routers IP Base License	Routing (BGP, OSPF, RIP, EIGRP, ISIS,), PBR, IGMP/MLD, Multicast, QoS, AAA, Raw Sockets, Manageability
SL-IR800-SEC-K9	Cisco 800 Series Industrial Routers Security License	SSL, VPN, IPSec, DMVPN, FlexVPN, IOS Firewall
SL-IR800-SNPE-K9	Cisco 800 Series Industrial Routers No Payload Encryption License	
SL-IR800-DATA-K9	Cisco 800 Series Industrial Routers Data License	L2TPv3, IP SLA, BFD, MPLS (subset)
SWAP1530-81-A1-K9	Cisco 1530 Series Unified & Autonomous 8.1 SW	IR829 AP803 WI-FI

Install Licenses

To enable the RightToUse license, perform the following steps:

Before you begin

Licenses are installed at manufacturing. If the securityk9 technology-package is not installed, the crypto related functions will not work. See additional information under [Hardware Crypto Support](#).

Step 1 Accept the EULA.

```
Router# license accept end user agreement
```

Step 2 Enable the technology-package.

```
Router# license boot module ir800 technology-package securityk9  
Router# license boot module ir800 technology-package datak9
```

Step 3 Reload the IR800 router.

```
Router# reload
```

Step 4 Verify the licensing status on the router.

```
Router# show license feature
```

Feature name	Enforcement	Evaluation	Subscription	Enabled	RightToUse
ipbasek9	no	no	no	yes	no
securityk9	yes	yes	no	yes	yes

Hardware Crypto Support

In the initial IOS release 15.5(3)M, only software-based cryptographic support was available. Later, hardware-based cryptographic support was introduced. To enable hardware-based crypto functionality, a security license must be installed.

To check which version of cryptographic support is being used on a device, use the following command:

```
Router# show crypto engine configuration
```

```
crypto engine name: Virtual Private Network (VPN) Module
crypto engine type: hardware
                    State: Enabled
                    Location: onboard 0
Product Name: Onboard-VPN
HW Version: 1.0
Compression: No
                DES: Yes
                3 DES: Yes
                AES CBC: Yes (128,192,256)
                AES CNTR: No
Maximum buffer length: 4096
Maximum DH index: 0000
Maximum SA index: 0000
Maximum Flow index: 0256
Maximum RSA key size: 0000
crypto lib version: 22.0.0
crypto engine in slot: 0
                    platform: VPN hardware accelerator
crypto lib version: 22.0.0
```