Card Licensing Information and Licensing Alarms

This chapter provides information about card licensing information and licensing alarms. This chapter includes the following sections:

Card Licensing Information

This section provides the licensing information for the following cards:

400G-XP-LC Card

The licenses for the 400G-XP-LC card are installed by default.

Licensing Alarms

Various license related alarms are reported on the device based on the license status. These provide indication about the type of license in use and its validity duration.

Following alarms are reported on the device:

- EVAL-LIC—(Minor alarm) Indicates that the evaluation license is in use.

- TEMP-LIC—(Minor alarm) Indicates that the temporary license is in use.

- LIC-EXPIRING-SOON—(Major alarm) Indicates that the cumulative validity period of all the available evaluation and temporary licenses fall in the range of one to fourteen days.

- LIC-EXPIRING-SHORTLY—(Major alarm) Indicates that the cumulative validity period of all the available evaluation and temporary licenses fall in the range of zero to twenty four hours.

- LIC-EXPIRED—(Critical alarm) Indicates that the evaluation or temporary license has expired.

Note The LIC-EXPIRING-SOON and LIC-EXPIRING-SHORTLY alarms are never raised if there is a permanent license available.

Note EVAL-LIC alarm clears in one of the following scenarios:

- When the validity period of the evaluation license is expired. After the validity period, the card raises an LIC-EXPIRED alarm.

- When the user discontinues or disables the associated feature that raised the evaluation license alarm. After this alarm clears, the line card resumes normal operation. The line card tracks the remaining validity period of the evaluation license that was disabled by the user.

- When a permanent license is installed.

Note The LIC-EXPIRED alarm clears in one of the following scenarios:

- When the user discontinues or disables the associated feature that raised the license expired alarm. After this alarm clears, the line card resumes normal operation. The line card maintains the associated license status as expired and does not raise an alarm.

- When a permanent license is installed.

- When a switchover of control card or soft reboot/hard reboot of the target line card is performed. After the reboot, the card raises an LIC-MISSING alarm.

Following alarm is reported on the port:

- LIC-MISSING—(Critical alarm) Indicates that the is no longer licensed. This happens when the license supporting the service on the port has expired.

Alarms are raised taking into account all the valid licenses present on the device. When a license expires, the next best license is activated without raising any alarm. However, an alarm is raised when the last valid license is in the expiring state.

For more information on these alarms, see the Troubleshooting guide.

Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at Cisco Profile Manager.

- To get the business impact you're looking for with the technologies that matter, visit Cisco Services.

- To submit a service request, visit Cisco Support.

- To discover and browse secure, validated enterprise-class apps, products, solutions and services, visit Cisco Marketplace.

- To obtain general networking, training, and certification titles, visit Cisco Press.

- To find warranty information for a specific product or product family, access Cisco Warranty Finder.

Cisco Bug Search Tool

Cisco Bug Search Tool (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.