



## New and Changed Feature Information

This table summarizes the new and changed feature information for the *System Security Configuration Guide for Cisco NCS 5500 Series Routers*, and tells you where they are documented.

- [System Security Features Added or Modified in IOS XR Release 24.x.x, on page 1](#)

### System Security Features Added or Modified in IOS XR Release 24.x.x

Feature	Description	Changed in Release	Where Documented
MAC Authentication Bypass	This feature was introduced.	Release 24.3.1	<a href="#">MAC Authentication Bypass</a>
Layer 2 Untagged Sub-interface configuration in IEEE 802.1X Port-based Authentication	This feature was introduced.	Release 24.2.1	<a href="#">802.1X Port-Based Authentication</a>
DSCP Marking from TCP Connection Phase for SSH Packets	This feature was introduced.	Release 24.1.1	<a href="#">DSCP Marking for SSH Packets</a>
MACsec support for 1 GbE Optical SFPs	This feature was introduced.	Release 24.1.1	<a href="#">Hardware Support Matrix for MacSec</a>
Multi-Factor Authentication for SSH	This feature was introduced.	Release 24.1.1	<a href="#">Multi-Factor Authentication for SSH</a>
Interaction with MASA through gRPC	This feature was introduced.	Release 24.1.1	<a href="#">Interaction with MASA through gRPC</a>
Pre-upload Pinned-Domain Certificate	This feature was introduced.	Release 24.1.1	<a href="#">Interacting with MASA Through Web Application</a>

