



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

