



New Features

This chapter describes the new hardware and software features supported on the Cisco ASR 920 Series Routers for this release.

- [Supported Hardware Features in Cisco IOS XE Amsterdam 17.2.1, on page 1](#)
- [Supported Software Features in Cisco IOS XE Amsterdam 17.2.1, on page 1](#)

Supported Hardware Features in Cisco IOS XE Amsterdam 17.2.1

There are no hardware features supported for this release.

Supported Software Features in Cisco IOS XE Amsterdam 17.2.1

- **DHCP Snooping**

Dynamic Host Configuration Protocol (DHCP) Snooping is a DHCP security feature that provides network security by filtering untrusted DHCP messages and by building and maintaining a DHCP Snooping binding database, also referred to as a DHCP snooping binding table. DHCP snooping acts like a firewall between untrusted hosts and DHCP servers. DHCP Snooping is used to differentiate untrusted interfaces connected to the end user and trusted interfaces connected to the DHCP server or another router.

For more information on DHCP Snooping, see the [IP Addressing Configuration Guide, Cisco IOS XE 17 \(Cisco NCS 520 Series\)](#).

- **Dynamic ARP Inspection**

Dynamic Address Resolution Protocol (ARP) provides IP communication within a Layer 2 broadcast domain by mapping an IP address to a MAC address. Dynamic ARP inspection also determines the validity of an ARP packet based on valid IP-to-MAC address bindings stored in a trusted database, such as the DHCP Snooping binding database.

For more information on Dynamic ARP Inspection, see the [IP Addressing Configuration Guide, Cisco IOS XE 17 \(Cisco NCS 520 Series\)](#).

