



System Considerations

This module provides information on the Cisco ASR 9000 Series Routers scale limitations.



Note

The `show l2vpn capability` command displays the scale limitation for the router.

Scale Limitations

[Table 4](#) provides information on the Scale limitations for the Cisco ASR 9000 Series Routers.



Note

The limitations in [Table 4](#) are specified on a per VFI basis.

Table 4

Scale Limitations

	Port/Bundle	Line Card			Bridge Domain			System
		L	B	E	L	B	E	
Subinterfaces	NA	32K	64K	64K	4K	8K	8K	64K
Bridge Domains	NA	NA	NA	NA	NA	NA	NA	8K
Pseudowires	NA	NA	NA	NA	NA	NA	NA	64K
LAG Bundles	NA	NA	NA	40	NA	NA	NA	128
LAG Subinterfaces	4K	8K	8K	8K	NA	NA	NA	16K
Learned MACs	512K	512K	512K	512K	512K	512K	512K	512K

K = 1024

Line cards:

L—Low Queue Line card, for example: A9K-40GE-L

B—Base Line card, for example: A9K-40GE-B

E—Extended Line card, for example: A9K-40GE-E



Note

To achieve the scale values, subinterfaces must be evenly allocated between the line card's physical ports.

For more information on Ethernet line cards, see *Table 1-3* of the *Cisco ASR 9000 Series Aggregation Services Router Ethernet Line Card Installation Guide*.

Additional References

These sections provide references related to implementing Ethernet services access lists on Cisco ASR 9000 Series Routers.

Related Documents

Related Topic	Document Title
Ethernet services access list commands: complete command syntax, command modes, command history, defaults, usage guidelines, and examples	<i>Ethernet Services (Layer 2) Access List Commands on Cisco ASR 9000 Series Routers</i> module in <i>Cisco ASR 9000 Series Aggregation Services Router IP Addresses and Services Command Reference</i>

Standards

Standards	Title
No new or modified standards are supported by this feature, and support for existing standards has not been modified by this feature.	—

MIBs

MIBs	MIBs Link
—	To locate and download MIBs using Cisco IOS XR software, use the Cisco MIB Locator found at this URL and choose a platform under the Cisco Access Products menu: http://cisco.com/public/sw-center/netmgmt/cmtk/mibs.shtml

RFCs

RFCs	Title
No new or modified RFCs are supported by this feature, and support for existing RFCs has not been modified by this feature.	—

Technical Assistance

Description	Link
The Cisco Technical Support website contains thousands of pages of searchable technical content, including links to products, technologies, solutions, technical tips, and tools. Registered Cisco.com users can log in from this page to access even more content.	http://www.cisco.com/techsupport

