

## Re: CSMA/CD

**Source:** <http://www.derkeiler.com/Mailing-Lists/securityfocus/security-basics/2003-08/0796.html>

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**From:** David Nichols ([dnichols\\_at\\_amci.com](mailto:dnichols_at_amci.com))

**Date:** 08/21/03

To: ". ." <[ajfomania@hotmail.com](mailto:ajfomania@hotmail.com)>, <[Security-basics@securityfocus.com](mailto:Security-basics@securityfocus.com)>

Date: Thu, 21 Aug 2003 14:12:21 -0400

You are talking about two different things. Ethernet, and TCP/IP. Even though the combination of the two is the most common today, they are not the same thing. You can run TCP/IP over token ring, or IPX/SPX over Ethernet. Basically Ethernet (or Token Ring) are layers 1 and 2 while TCP/IP (or IPX/SPX) are layers 3 and above.

You wouldn't re-write the TCP/IP stack, but the device driver for the Ethernet card. Even that may not work because the CSMA/CD may be done entirely in hardware on the card

Working-on-my-CCNA-as-well-ly

David Nichols

----- Original Message -----

From: ". ." <[ajfomania@hotmail.com](mailto:ajfomania@hotmail.com)>

To: <[Security-basics@securityfocus.com](mailto:Security-basics@securityfocus.com)>

Sent: Thursday, August 21, 2003 7:08 AM

Subject: CSMA/CD

> *Hi there!*

> *I'm currently reading a CCNA book, and I've got some questions I can't find*

> *an answer to.*

> *The Carrier Sense Multiple Access with Collision Detection checks if there*

> *is any traffic on the wire and then starts to send the host's data, if*

> *someone tries to send at the same time, the sending host sends the*

> *"trying"*

> *host a jam signal that would make the trying host to wait. If the trying host*

> *gets 15 jam signals at one time, it times out.*

>

> *Some questions came up at this chapter. Is there any possibility to write*

> *a*

> *program that sends jam signals to other hosts within the same broadcast*

> *domain until they timed out and died? Does this mean that IF you were to*

> *write this program, actually needed to rewrite a part of the tcp/ip*

> *protocol stack? Isn't this a big issue?*

>

Re: CSMA/CD

SecurityFocus BASICS: Re: CSMA/CD

> *Sorry for my bad english..*

>

> *Best Regards: Fredrik Wessberg*

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> *Lättare att hitta drömresan med MSN Resor <http://www.msn.se/resor/>*

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