

A new Request for Comments is now available in online RFC libraries.

[RFC 3465](#)

Title: TCP Congestion Control with Appropriate Byte
Counting (ABC)
Author(s): M. Allman
Status: Experimental
Date: February 2003
Mailbox: mallman@bbn.com
Pages: 10
Characters: 23486
Updates/Obsoletes/SeeAlso: None

I-D Tag: [draft-allman-tcp-abc-04.txt](#)

URL: <ftp://ftp.rfc-editor.org/in-notes/rfc3465.txt>

This document proposes a small modification to the way TCP increases its congestion window. Rather than the traditional method of increasing the congestion window by a constant amount for each arriving acknowledgment, the document suggests basing the increase on the number of previously unacknowledged bytes each ACK covers. This change improves the performance of TCP, as well as closes a security hole TCP receivers can use to induce the sender into increasing the sending rate too rapidly.

This memo defines an Experimental Protocol for the Internet community. It does not specify an Internet standard of any kind. Discussion and suggestions for improvement are requested. Distribution of this memo is unlimited.

This announcement is sent to the IETF list and the RFC-DIST list. Requests to be added to or deleted from the IETF distribution list should be sent to IETF-REQUEST@IETF.ORG. Requests to be added to or deleted from the RFC-DIST distribution list should be sent to RFC-DIST-REQUEST@RFC-EDITOR.ORG.

Details on obtaining RFCs via FTP or EMAIL may be obtained by sending an EMAIL message to rfc-info@RFC-EDITOR.ORG with the message body help: ways_to_get_rfcs. For example:

To: rfc-info@RFC-EDITOR.ORG
Subject: getting rfcs

help: ways_to_get_rfcs

Requests for special distribution should be addressed to either the author of the RFC in question, or to RFC-Manager@RFC-EDITOR.ORG. Unless specifically noted otherwise on the RFC itself, all RFCs are for

unlimited distribution.echo

Submissions for Requests for Comments should be sent to

RFC-EDITOR@RFC-EDITOR.ORG. Please consult [RFC 2223](#), Instructions to RFC

Authors, for further information.