Scopus

Document details

→] Export   ↓ Download   🖶 Print   ✉ E-mail   📄 Save to PDF   ☆ Add to List   More... ›

[Full Text]   View at Publisher

A grouping scheme for secure multicasting in mobile IPv6 (Conference Paper)

Al-Talib, S. ✉, Ali, B.M., Prakash, V., Habaebi, M.H.

Department of Communications and Networking, Faculty of Engineering, University Putra Malaysia

Abstract

⌄ **View references (4)**

In any secure multicasting environment, group management becomes an important aspect for achieving privacy and integrity of the multicast session. In this paper, group management strategy has been proposed to address this objective. The multicast group has been divided into subgroups or hash families, each subgroup contains the nodes that maps to the same hash key that is calculated by a hash function. A 'clue' has been added to facilitate the join/leave mechanism for members in the group. © 2003 IEEE.

SciVal Topic Prominence ⓘ

Topic: Multicasting | Network protocols | Mobile multicast

Prominence percentile: 8.661   ⓘ

Author keywords

(Delay) (Environmental management) (Equations) (Intelligent networks) (IP networks) (Mobile communication)
(Multicast algorithms) (Multicast protocols) (Privacy) (Unicast)

Indexed keywords

Engineering controlled terms:	(Data privacy) (Environmental management) (Hash functions) (Intelligent networks) (Internet protocols) (Mobile telecommunication systems) (Telecommunication networks)
Engineering uncontrolled terms	(Delay) (Equations) (IP networks) (Mobile communications) (Multicast algorithms) (Multicast protocol) (Unicast)
Engineering main heading:	(Multicasting)

Metrics ⓘ   View all metrics ›

1   Citation in Scopus
     20th percentile

✻

PlumX Metrics ⌄
Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

Cited by 1 document

An approach to improve the state scalability of source specific multicast

Al-Talib, S.A. , Ali, B.M. , Khatun, S.
(2009) American Journal of Applied Sciences

View details of this citation

Inform me when this document is cited in Scopus:

[Set citation alert ›]

[Set citation feed ›]

Related documents

Secure architecture for multicasting on active virtual private networks

Labonte, C. , Sampalli, S.
(2004) Proceedings - IEEE Military Communications Conference MILCOM

A secure group management scheme for mobile ad hoc networks

Ren, Y. , Boukerche, A.
(2010) Proceedings - IEEE Symposium on Computers and Communications

Design of secure multicast architecture on CERNET 2

Liu, W.-Q. , Li, Z.-T. , Zhang, J.-P.
(2006) Tongxin Xuebao/Journal on Communications

References (4)

View in search results format >

☐ All | Export   🖶 Print   ✉ E-mail   📄 Save to PDF   Create bibliography

☐ 1   Labonte, Christian, Srinivas, Sampalli

Group management strategies for secure multicasting on active virtual private networks

(2000) *Conference on Local Computer Networks*, pp. 213-222. Cited 3 times.

View at Publisher

☐ 2   Dondeti, L.R., Mukherjee, S., Samal, A.

Scalable secure one-to-many group communication using dual encryption

(2000) *Computer Communications*, 23 (17), pp. 1681-1701. Cited 57 times.
doi: 10.1016/S0140-3664(00)00255-3

View at Publisher

☐ 3   Knuth, D.E.
(1998) *Art Of Computer Programming, Volume 3 , Sorting and Searching*. Cited 1250 times.
Addison-Wesley

☐ 4   Al-Talib, S., Mahmod, S., Ali, B.M., Prakash, V.
(2002) *Join / Leave Mechanism for Secure Multicasting in Mobile Ipv6*
Accepted to Be Published in IEM Journal

∧ Top of page

About Scopus

What is Scopus

Content coverage

Scopus blog

Scopus API

Privacy matters

Language

日本語に切り替える

切换到简体中文

切換到繁體中文

Русский язык

Customer Service

Help

Contact us

ELSEVIER

RELX