

Revisiting Multicast on ID/Locator Separation Network

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(Pt9)Abstract—multiple recipients at different locations. On the traditional internet, group members join specific multicast address through membership management protocol and packets are delivered along the path tree built by multicast routing protocol. Now we consider how multicast communication can be designed in id/locator separation environment. In this environment a common id as a group name can be used and it is shared by all group members, or a specific id can be assigned to an anchor point and packets are distributed to the group members by the anchor point. In this paper we redefine groupcasting, and show how multicasting can be designed and implemented in id/locator separation network environment.

(Pt9)Keyword—Multicasting, Future Internet, id/locator separation



Joo-Chul Lee Joo-Chul Lee is a member of “ID-based communication research team” in ETRI. He has developed an IPv4/IPv6 translation toolbox named as “6TALK” from 2001 ~ 2003. The 6TALK box supports NAT-PT, DSTM and several basic tunneling mechanisms now. His major contribution to the 6TALK box is a NAT-PT translation module. In 2004 he has developed DHCPv6 client module supporting prefix delegation on the basis of Linux netfilter framework. From 2005 ~ 2007, he has developed standard for NGN. He has also developed AUTOSAR based development tool & platform from 2008 ~ 2012, and since 2013 he has developed ID-based network platform based on Click-router.



He joined Electronics and Telecommunication Research Institutes (ETRI) in 1991 after receiving bachelor degree from Pusan National University (PNU) and is currently a principal research member. He received his Ph. D. degree in Information and Communications Engineering from the Chungnam National University (CNU) in 2004. His major research areas include (Future) Internet and mobile network technologies. His current research topic is next generation networking technologies.