A Multi-domain Service Composition Platform

Seung-Ik Lee*, Jonghwa Yi*, Shin-Gak Kang*, and Young-Il Choi**

*Standards Research Center, ETRI, 218 Gageong-ro, Yuseong-gu, Daejeon, 305-700, Korea
**Future Internet Research Division, ETRI, 218 Gageong-ro, Yuseong-gu, Daejeon, 305-700, Korea

seungiklee@etri.re.kr, jhyiee@etri.re.kr, sgkang@etri.re.kr, yichoi@etri.re.kr

Abstract—The distributed services over the Internet can be inter-connected by service compositions using Service-Oriented Architecture (SOA) and Service Delivery Platform (SDP) technologies. However, these traditional solutions have limitations on supporting the services in different domains and dynamic environments. In this paper, we propose a multi-domain service composition platform which dynamically orchestrates and composes multiple component services provided by different service providers’ domains.

Keyword—Service composition, service orchestration, abstract service type, dynamic service binding

SEUNG-IK LEE received the BS degree in computer science and engineering from Handong University, Korea in 2000 and the MS and Ph.D. degrees in computer science from KAIST, Korea in 2002 and 2009, respectively. He joined Standards Research Center of Electronics and Telecommunications Research Institute, Korea in May 2009 and has participated in the standardizations for IPTV, multicast, and NGSON in ITU-T SG13, JTC1/SC6, and IEEE P1903. His research interests include IPTV, mobile multimedia transport, and future networks.