Research of Comparing CORBA with DCOM *

Wang Jingyang[1], Wang Xiaohong[1], Yuan Dun[2], Wang Jianxia[1], Ma Xiaojuan[1]
[1] Heibei University of Science and Technology
Shijiazhuang Hebei 050054, China
[2] 8357 Research Institute of China Aerospace Science & Industry Corp
No.69, Huangwei Road, Hebei District, Tianjin, China
Email: jingyangw@hebust.edu.cn   **Tel:** 0311-8613336

ABSTRACT

This article discusses the principle and architecture of the two famous distributed object technologies CORBA and DCOM, provides their common merits and shortcomings. It also compared their aspects of the ability of astride-platform, integrating different language, invoking method and communication protocol. Thus, the distributed object technologies CORBA and DCOM can be fully understood and their applications can be grasped through comparative study of their similarities and differences.

Keywords: CORBA, DCOM, ORB, Stub, Skeleton, Distributed programming.