Abstract

Network management system leads to centralized system based on SNMP or CMIP management protocol, which does not solve the problem of scalability and flexibility. So a distributed paradigm is followed to make the system decentralized to perform management functions when network start growing significantly. Several distributed management architectures including mobile agent technology, have been recently proposed to answer the scalability limitations of centralized models and the flexibility problems of different network models. Mobile agents decentralize processing and control thereby reducing the management traffic around the management station and distribute processing load. This paper discusses and analyzes the role of mobile agent and compares the network parameters for different models.

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Index Terms

Computer Science
Communication Systems
Keywords

Mobile agents  Network Management  Distributed  SNMP  Scalability