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基于分布式对象技术的企业网络管理支撑环境STRUT研究

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STUDY ON STRUT: A DISTRIBUTED OBJECT TECHNIQUE BASED ENTERPRISE NETWORK MANAGEMENT SUPPORTING ENVIRONMENT

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摘要 提出一种企业网络管理支撑环境 STRUT,它在底层采用分布式对象技术 CORBA,通过 OSI/ TMN和 SNMP网关实现跨管理域的交互和互操作;在上层通过重组物理网络,建立分布式、层次性的逻辑网络来满足企业管理应用的需要。分析了 STRUT的需求、体系结构,给出了一个面向客户服务管理（CSM)的应用实例。

关键词： CORBA　分布式网络管理　逻辑网络　客户服务管理

Abstract： In a complicated and large enterprise network environment, the goal of integrated management has become particularly demanding because now an arbitrary number of service management members from providers to providers and from providers to customers need to dynamically exchange customer- and technology-related data. In this paper, a distributed object technique based enterprise network management supporting environment, STRUT, is presented. At its underlying infrastructure, STRUT uses CORBA and achieves interaction and interoperability across management domains by OSI/TMN and SNMP gateways. At its high level, STRUT meets the need of enterprise management applications by reconstructing the physical network and building up a distributed, hierarchical, logical network. This paper analyzes the requirements and architecture of STRUT and gives an application instance for customer service management.

Keywords： dist ributed net wo rk manag ement　CORBA　lo gical netw or k　customer serv ice management

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