

SOA/XML/Content-Aware Application

Yan Han

Abstract

In recent years, Service-Oriented Architecture (SOA) solutions, eXtensible Markup Language (XML) technologies and Content-Aware Applications are becoming hot topics gradually. The reasons are as follows: the SOA solutions can help enterprises achieve better alignment between the business demands and IT implementation. Most SOA solutions are based on the XML technologies to look into the contents of services (or messages) and borrow the content-aware application technologies to achieve services delivery, integration, orchestration, etc.; XML technologies are becoming a standard for application communications and data representation in the heterogeneous application environments and networking environments. Many applications and middleware are utilizing XML technologies to achieve human-readability and network intelligence; the content-aware applications deploy the XML technologies to achieve content awareness. Through the introduction of the content-aware applications, the network can make proper decision according to business policies and rules.

In this project, the following sections are included: the SOA introduction, the XML introduction, the content-aware applications, the challenges on the network and applications, as well as our solution to resolve one of the challenges.