

# **An Adaptive Load-Balancing Approach To XML-Based Network Management Using JPVM**

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## **Summary**

SNMP is the most widely used network management protocol. Since SNMP is based on a centralized approach, it is confronted with scalability and efficiency problems when the network expands. XML-based network management is a new paradigm developed to overcome these limitations. In this paper, we propose a framework for adaptive load-balancing using JPVM for XML-based network management. The goal is to increase the efficiency of processing the management data, and decrease the communication time by distributing the management load across multiple XML/SNMP gateways. The load distribution among multiple gateways is adapted to achieve better results.

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