



Design and Implementation of Network Monitoring System for Campus Infrastructure Using Software Agents [

2022

text (article)

Analítica

In network management and monitoring systems, or Network Management Stations (NMS), the Simple Network monitoring Protocol (SNMP) is normally used, with which it is possible to obtain information on the behavior, the values of the variables, and the status of the network architecture. network. However, for large corporate networks, the protocol can present latency in data collection and processing, thus making real-time monitoring difficult. This article proposes a multi-agent system based on layers, with three types of agents. This includes the collector agent, which uses a Management Information Base (MIB) value to collect information from the network equipment, an input table of information from the network devices for the consolidator agent to process the collected data and leave it in a consumable format, and its subsequent representation by the application agent as a web service, in this case, as a heat map

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Título: Design and Implementation of Network Monitoring System for Campus Infrastructure Using Software Agents electronic resource]

Editorial: 2022

Tipo Audiovisual: distributed systems multi-agent system network monitoring parallelization SNMP sistemas distribuidos sistema multi-agente monitoreo de redes paralelización SNMP

Documento fuente: Ingeniería e Investigación, ISSN 2248-8723, Vol. 42, N°. 1, 2022, pags. 10-10

Nota general: application/pdf

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Lengua: English

Enlace a fuente de información: Ingeniería e Investigación, ISSN 2248-8723, Vol. 42, N°. 1, 2022, pags. 10-10

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