Abstract

In the current scenario, distributed computing approach is most popular approach for computing
the processes known as subtasks, subroutines, macro's etc due to low cost involvement
and minimum execution time. In the present work, the computer systems are attached with the
help of static interconnection through step topology in which one machine is working as server
and Endian operating system is loaded on the server. A Unified Modeling Language (UML) is
used to demonstrate the model of working of Endian operating system. The performance of
Endian operating system in terms of firewall execution is monitored for the various user
identification controlled connected by Internet Protocol (IP Version 4) where the users are
connected through static topology. The loading and balancing are also performed by Endian
operating system for transferring of data from one machine to another machine and results are
depicted in terms of tables and graphs.

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Index Terms

Computer Science
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Keywords

Distributed approach
Endian operating system
step topology
IP address