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Title

Isolation of Shared Network Resources in Xenoservers

Authors

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Abstract

This document presents some issues involved in virtualizing network resources so that they may be shared across a set of isolated virtual machines (VMs). After discussing the issues in design, details of Xen, a virtual machine monitor developed as part of the XenoServers project, are presented as a specific implementation example. We hope that this presentation will encourage a discussion regarding the best approach to these issues with other researchers involved in similar projects, in particular, designers of isolation architectures for PlanetLab.

PDN Date

November 2002

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