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Distributed Control of ATM Networks

Are ATM Networks too complicated? (DCAN project overview)

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Abstract

In the view of the DCAN project partners, ATM Networks are overly complicated, making them too expensive for employment on the desktop, in the home or even in the local network. The complexity also causes failure sensitivity and slow standardisation which in turn hinders interoperability.

DCAN aims to take much of the network, signalling and switch control software out of the switch and into a standard workstation. We employ standard distributed systems techniques to distribute the control application.

This reduces the cost of the ATM Network, reduces its cost, speeds its uptake in small networks and the desktop, makes standardisation easier and thus aids interoperability.

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