

Network architectures and converged networks fabrics for cloud computing

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When constructing cloud infrastructures and 'infrastructure as a service' in the data centre, most effort is usually spent on host-based virtualisation and on the provisioning of the virtual machine images. Connectivity of the virtual machines between themselves and with the world at large is usually done with traditional network setups, and for the provisioning of the machine images a separate storage connect fabric chosen.

New developments in converged data centre fabrics that bring together both IP network connectivity as well as the storage fabric, and the virtualisation of the network to allow for transparent migration of virtual machines. New standards like TRILL help manage the cloud fabric as a large flat and transparent network, but additional features can also allow the migration of network properties of the VM, such as QoS settings or VLAN membership.

In this talk these development are explained and put in the context of developing standards and available solutions.

Project name if affiliated to a project

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