



Dr. Stefan Schmid

TU Berlin & Telekom Innovation Labs



CloudNets: Virtual Networking Cloud Resources

This talk provides an overview of the CloudNet project which envisions an Internet where arbitrarily specified virtual networks can be requested at short notice to connect cloud resources (such as storage or CPU), in a manner that provides QoS guarantees: both at the nodes and the links.

We will discuss algorithmic challenges and solutions (such as competitive embedding and resource allocation as well as online migration) and sketch a prototype implementation. This prototype supports the cooperation of different economical entities, such as a physical infrastructure provider, a service provider, or a virtual network provider, but respects their independence.

Zeit: Donnerstag, 7. Februar 2013, 10:00 Uhr

Ort: Johannes Kepler Universität Linz
Informatik-Gebäude, SCP 3, HS 19

Kurzbiographie

Dr. Stefan Schmid studied computer science at ETH Zurich (minor: micro/macro economics, internship: CERN) and received his PhD degree from the Distributed Computing Group (Prof. Roger Wattenhofer), also at ETH Zurich. Subsequently, he worked with Prof. Christian Scheideler at the Chair for Efficient Algorithms at the Technical University of Munich (TUM) and at the Chair for Theory of Distributed Systems at Uni Paderborn. He is now a senior research scientist at Telekom Innovation Laboratories Berlin.

Stefan Schmid is interested in distributed systems, and especially in the design of robust and dynamic networks.