

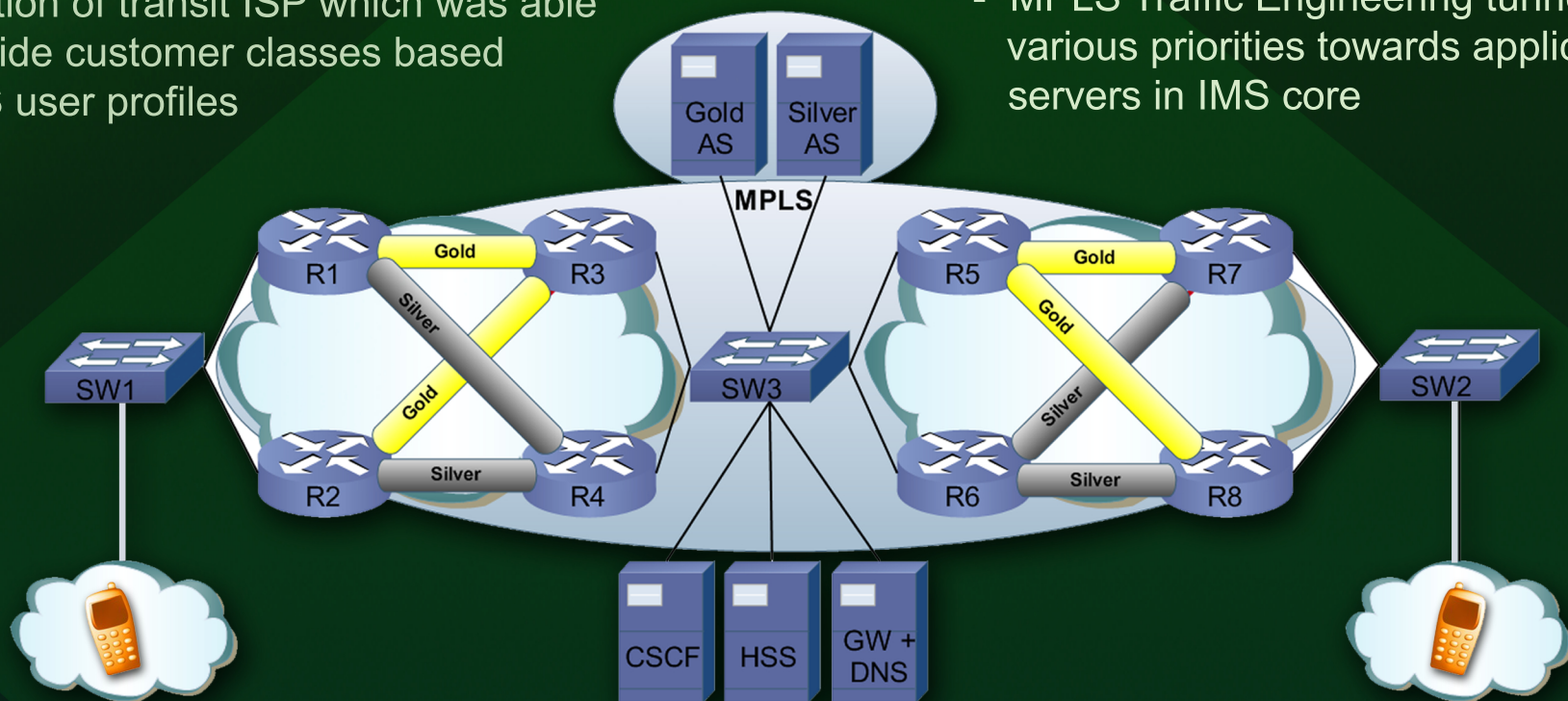
Differentiation of Services in IMS over MPLS Network Core

Challenge

- acquire scalable QoS solution for different customer classes in IMS core network with traffic engineering on MPLS backbone
- simulation of transit ISP which was able to provide customer classes based on IMS user profiles

Solution

- enable the IMS core to trigger association based on customer classes with specified server acting as back-to-back user agent
- MPLS Traffic Engineering tunnels with various priorities towards application servers in IMS core



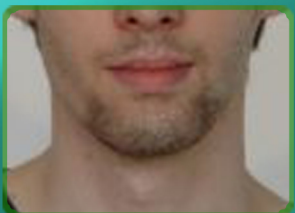
Testbed architecture

Results

- testbed architecture for transit ISP which needs to provide various traffic priorities to customer generated traffic based on customer profiles in IMS core
- optimization of convergence and load distribution among existing links in the network in automated way

Awards

- E-Talent grant from Tatra banka Foundation
- publication in workshop ONIT 2010, that will be held in conjunction TRIDENTCOM 2010 - International Conference on Testbeds and Research Infrastructures for the Development of Networks and Communities



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