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One way into several clouds – real multi-cloud connectivity
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Your IT-Service-Provider
Friedberg/Hessen

One way into several clouds –
real multi-cloud connectivity
Today's MPLS/VPN networks look like this:
What was the goal? Cloud connectivity... the Customers want....

- Security
- Trusted lines

- Easy to use, to configure and to manage

- High bandwidth into every cloud
- Usage based billing

- Expandability
- Scalability
- Flexibility (services, costs)

How to implement?
Some facts...

VPNs are Layer 3 based

Cloud connectivity is also Layer 3 based

DE-CIX offers a Layer 2 connectivity platform towards several clouds

No cloud is connected to another cloud, except through the Internet

Today's customers won't work in only one cloud

The "old" values like security, trust are more valid than ever
What`s the solution?

I am going to tell you....

The solution is the combination of the “good old values” with the new technical possibilities.
Future networks look like this...
What’s new...

Cloud connectivity is there

The customer can choose which service should run in which cloud

The routers of the MPLS/VPN Provider are handling the Layer 3 Inter-Cloud communication

Local Internet-Breakouts in every Cloud are possible

The communication matrix between the clouds can be chosen by the customer, hub&spoke, full mesh and customized can be implemented
Technical details...

Redundant links with 1/10Gbit/s

DE-CIX operates at Layer 2 with 802.1q Vlans (queue-in-queue is also supported)

The bandwidth is configured at Telco-site and at Cloud-site...in both directions (up and downstream)

BGP-Routing for Layer 3 redundancy is supported

*The IP-Networks and the routing within and to the clouds can be chosen by the customer*
Questions/new ideas/other stuff...please ask...

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