

NETWORK SERVICES

cloudKleyer – NETWORK SERVICES

Highly available and fail-safe network solutions for secure and fast data traffic on the Internet.

cloudKleyer – IP Transit

Direct access to global networks with and without own router, AS systems or IP addresses.

- ▶ BGP session
- ▶ Port: 10 Mb - 10 G
- ▶ Billing: Flat rate
- ▶ DDoS protection optional
- ▶ Juniper Networks Equipment
- ▶ 24/7 technical support
- ▶ Connection to DE-CIX
- ▶ AS setup via RIPE
- ▶ IP Addresses Deployment/Administration (IPv4 and IPv6)
- ▶ BGP session setup and management for IP transit and peering

cloudKleyer – Internet Access

B2B Internet access in Frankfurt am Main.

- ▶ Connection: 10 Mbit/s - 10 Gbit/s
- ▶ **Billing: Flat rate**
- ▶ DDoS protection optionally available
- ▶ IP addresses (IPv4 and IPv6)
- ▶ multihome platform
- ▶ Out-of-Band Service

cloudKleyer – MPLS

Secure routing by means of Multiprotocol Label Switching (MPLS).

- ▶ Control of the data flow
- ▶ Capacity management
- ▶ Prioritisation of services
- ▶ Prevention of data jams

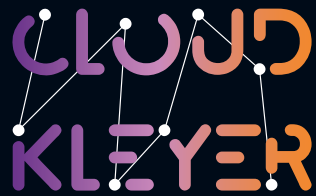
cloudKleyer – MPLS VPN

Flexible method for transporting and routing various types of network traffic/traffic optimization over protected routes

cloudKleyer – IPSEC VPN

Data transport through encryption-based security at network level (Internet Protocol Security).

- ▶ Ensuring confidentiality and authenticity of the packet sequence through encryption
- ▶ Security against unnoticed data theft through e.g. IP spoofing or replay attacks



cloudKleyer – BGP Routing

Use of different methods for message transmission, optimization of load distribution and shortening of access times by reducing latency.

- ▶ BGP Unicast (addressing to a single recipient)
- ▶ BGP Multicast (message transmission from one point to a group)
- ▶ BGP Broadcast (from one point to all participants of a network)
- ▶ BGP Geocast (message transmission to a spatially delimited area)
- ▶ BGP Anycast (message transmission to a recipient from a group that can be reached via the shortest route)

cloudKleyer – High Availability Clusters

A group of hosts that act as a single system and guarantee continuous uptime.

Without clustering, a server failure may result in the applications or network services it supports being unavailable/inaccessible.

- ▶ Load balancing
- ▶ Backup
- ▶ Failover

cloudKleyer – Managed Router

Purchasing and managing your own network hardware and software is often costly and time-consuming. The cloudKleyer managed router service reduces your own investment and provides:

- ▶ Management of your Ethernet network
- ▶ Deployment, configuration and change management
- ▶ Monitoring of customer's own router

DE-CIX & DE-CIX DirectCLOUD

As a service partner and member of DE-CIX DirectCLOUD, you have the opportunity to use cloudKleyer solutions in combination with other cloud providers such as AWS and Microsoft Azure.