

# OPEN MPLS

## Open MPLS

mitcaps offers global MPLS (Multi Protocol Label Switching) connectivity to the SME market.

With the mitcaps Open MPLS solutions, mitcaps provides **seamless** MPLS networks across multiple MPLS carriers within a consistent network to its customers. The different MPLS infrastructures are being merged at the mitcaps integration points; **across network Class of Service (QoS)** as well as the corresponding SLAs will be implemented for the customers.

## What does MPLS offer?

MPLS offers the connection-oriented negotiation of data packets in a connectionless network among an (“signalized”) alley, which was built up before. Today, MPLS is the core of many modern applications and supports QoS (Quality of Service), Traffic Engineering, Virtual Private Networks (VPN) and additional features.

Thus, **minimum capacities** for certain applications, e. g. audio / video or conferencing, can be guaranteed, delays and displacements for the deployment of **better linguistic services** can be controlled and **user-specific SLAs** can be allowed and implemented. Although MPLS can be easily integrated in **heterogeneous environments**.

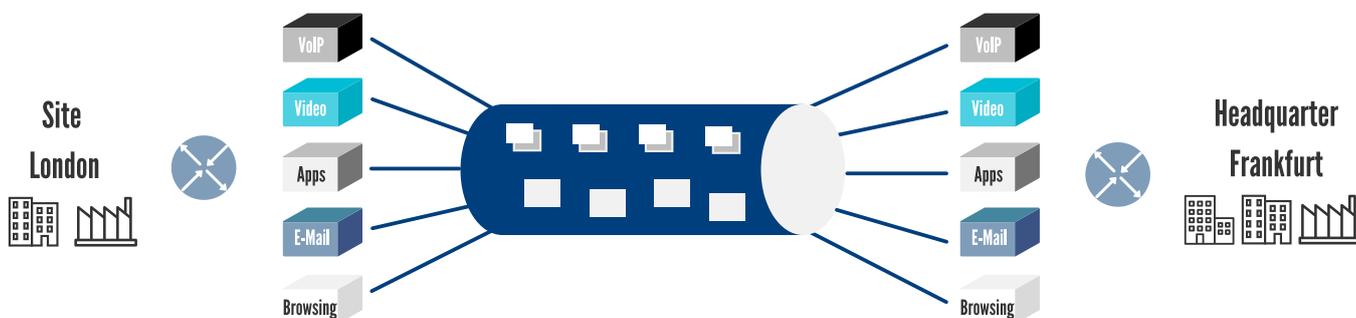


Fig.: MPLS by mitcaps

## Advantages

MPLS prioritizes the network traffic according to certain rules, which are defined per carrier and network. The following advantages are provided:

- Enabling **faster processing** of a parcel by simplistic addressing with the help of so-called labels.
- **Enabling pre-defined network path** through the backbone of the provider network.
- Network-wide deployment of **combined transference** from language, data and video.
- **Any-to-any** connections on the basis of IP.
- **Fast integration and implementation** of new locations as well as changes on the existing network.

## Challenges

The combination of different MPLS network form different carriers is difficult because the compatibility of the networks is basically not guaranteed.

Many internationally operating companies have to decide between choosing local or global network providers: Either they remain with a **regional MPLS solution** and do without is global expansion or the accept **limitations of connecting all locations** within their overall network.

## Open MPLS Solution

mitcaps offers the possibility to connect several MPLS networks from different providers and carriers to one network, which has multiple features:

- Priorities of the network traffic are continuously, consistent and clear.
- Compatible QoS between the networks.
- End to end management – also of the “last mile”.
- Flexibility and scalability – fast and simple integration of new locations.
- Customer specific and guaranteed SLAs.
- No expenditure for the selection of the providers and the management of the contracts.
- Only small investments for infrastructure necessary.

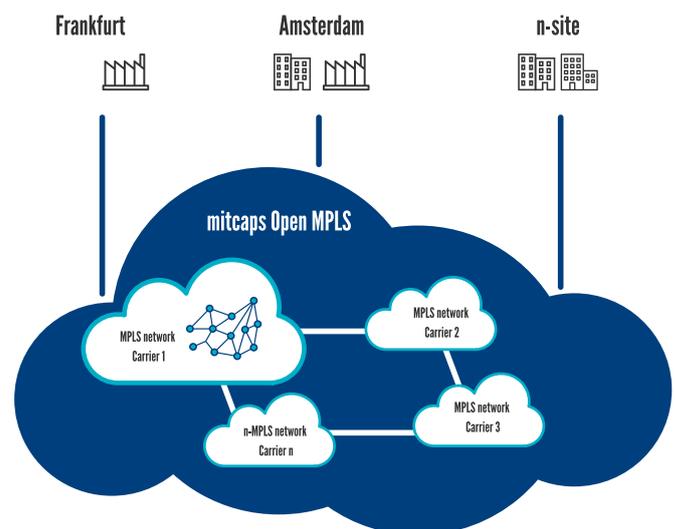


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