

Private Connectivity with AWS Direct Connect

by AWS Premier Partner, T-Systems



The foundation for an efficient cloud setup is the network connection. Are you taking a detour via the public internet to access your AWS resources? T-Systems helps companies setup a more persistent connection between AWS and on-prem network resources with AWS Direct Connect – the shortest path to your AWS cloud.



The challenge

Companies have moved their data to the cloud. While it's guarded by cloud providers and is in safe hands, the way the data is transferred to the cloud can influence its security and accessibility. Many organizations use VPN connections over the public internet which allow private communication. Yet, the data still traverses the public internet and is often transported with high latency, low performance and might not be the best option in compliance-sensitive setups. What if you could establish a direct, exclusive line into AWS – your own private connection?



Our solution

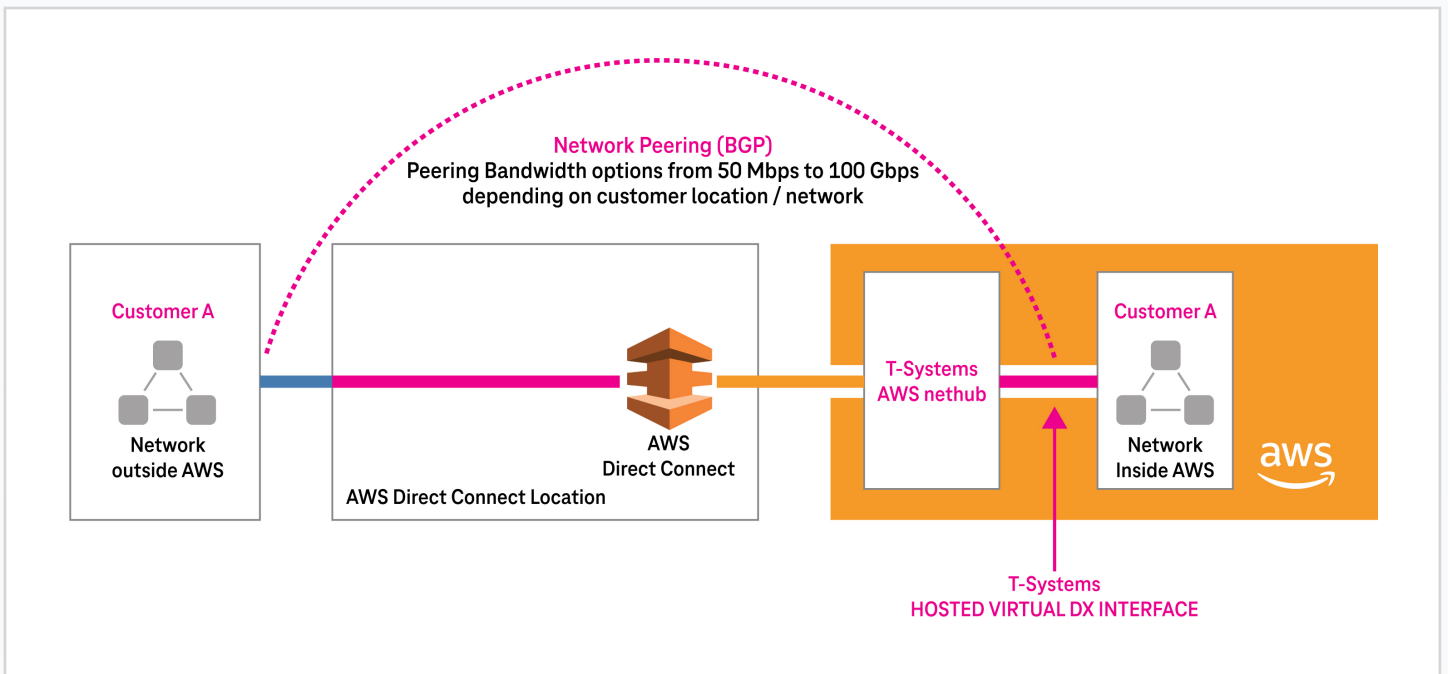
With AWS Direct Connect, as part of T-Systems' AWS Networking Services, we provide dedicated and hosted connections. We establish private connectivity between AWS and your data center or office. This ensures your company network is connected to your networks in the AWS cloud via robust, dedicated interconnection (peering). We offer this interconnection over the network layer (OSI layer 3) using the BGP protocol and over the physical and data layers (OSI layers 1 and 2).

AWS Direct Connect (DX) offers a resilient, high-performance interconnection to rely on when you deploy hybrid applications. The data transmissions between the AWS cloud and your company network will be secure and cost-efficient, provide increased bandwidth throughput and a more consistent network experience than with internet-based connections.

We offer complete end-to-end interconnection that supports both the cloud networking products and the conventional networking products of T-Systems and Deutsche Telekom. You can also leverage your existing MPLS infrastructure ([IntraSelect](#)) to easily connect to your cloud infrastructure without the hassle of requiring additional lines.

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Your benefits

- Dedicated connection to the AWS cloud
- Robust, economical, resilient, and reliable connection between your company network and your network in the AWS cloud
- Bandwidth options ranging from 50 Mbps to 100 Gbps in connection with conventional networking products from T-Systems and Deutsche Telekom
- Available in Frankfurt, Munich, and all other European AWS Direct Connect locations on a project basis
- Optional redundant connections to several AWS Direct Connect locations
- AWS Direct Connect as an integrated networking product (Hosted Virtual DX Interface) - available both with and without managed networking services
- AWS supported virtual-interface-types:
 - transit-virtualinterface
 - public-virtualinterface
 - private-virtualinterface



Need help connecting your networks?

With our comprehensive experience and understanding of Network and Connectivity, we assist you in selecting and configuring the products and services that will optimize the interconnection of your company networks. Let us help you build a sound foundation for the future of your IT estate. Use the T-Systems Hosted Virtual DX Interface to make AWS Cloud Services an integral part of your IT infrastructure.

**Our architects are here to assist you.
Get in touch with us today.**

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