



Where to Peer

This section of the Toolbox describes the where a network operator would seek peering.

Private Peering

Private peering is where there is a private connection between the two network operators for the purpose of exchanging traffic.

By **private**, we mean that the physical link between the two network operators is organised by them (by one operator or by both), is only for their use, and is usually jointly owned (costs are shared) by both operators.

The physical link can take many forms, including: - copper ethernet or fibre optic cable patching between each operators routers in difference equipment racks in the same datacentre - fibre optic leased from an infrastructure provider between the two operators datacentres - wireless media (the various 802.11 standards) connecting over the air across distances up to 10km (usually where fibre interconnect is not possible) - satellite infrastructure (whether low earth orbit, medium earth orbit, geosynchronous or geostationary) connecting over large distances where neither fibre nor wireless can service the need.

Public Peering / Internet Exchange Point

References

This content is sourced from many contributors, including:

- [Value of Peering Presentation](#) - Philip Smith
- Network Startup Resource Center
- Input from Mark Tinka, Kurt Erik Lindqvist, etc

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