

EduNet Peering

Direct Content and Services for Education



EduNet Peering is part of our unique EduNet solution for Content and Service Providers (CaSP), allowing them to peer rich content and educational services directly to schools.

All peered content and services are connected directly on VectorFibre so that EduNet schools can access the content they need at unmetered speeds of 100Mbit/s. Because peered content does not attract the delivery costs associated with the Internet, and delivery speeds to all schools are high, cloud services become a reality and content can be delivered without constraints.

How it works

With peering speeds of up to 1Gbit/s, and EduNet schools directly connecting to peered content at 1Gbit/s, EduNet Peering links educational institutions for rapid, cost-effective unmetered delivery of educational resources.

Because the content is delivered directly over VectorFibre instead of the Internet, Content Providers can enhance and enrich their offering. By using VectorFibre, the quality and throughput of the connections is dramatically improved, and the overall bandwidth cost for users is reduced.

EduNet Peering can be delivered direct to the Service Provider at 10Mbit/s, 100Mbit/s or 1Gbit/s.

Our Content Providers at launch included TVNZ, TV3, eCast, e asTTle, data centres, and we're adding more all the time*.



This service is delivered over VectorFibre MetroEthernet, which is internationally certified for performance and reliability by the Metro Ethernet Forum.

Benefits

Unlimited learning

Flat-rate, unmetered access to educational content ensures user learning programmes can be run without fear or consideration of the cost.

Ultra high-speed

Peering gives schools unmetered access to rich content and educational services at an unparalleled 100 Mbit/s.

Richer content

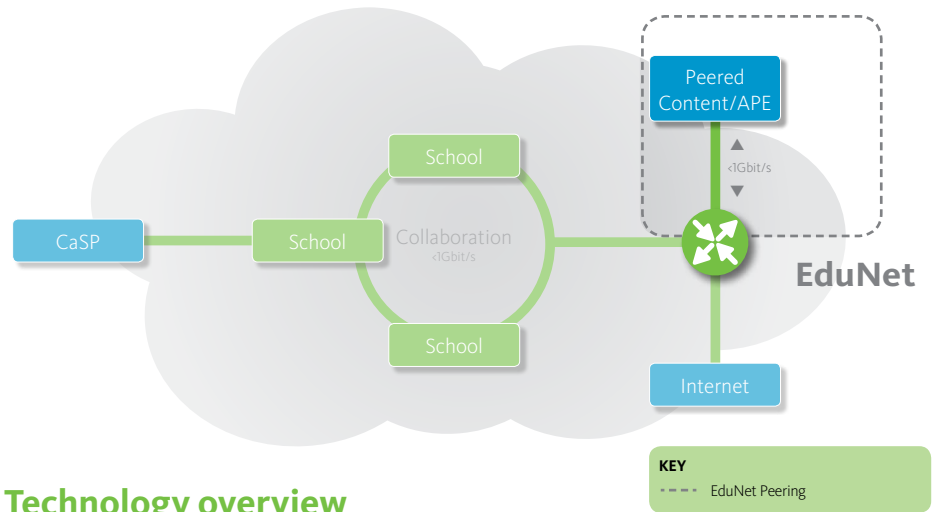
Frees Content Providers to develop complex content without concern for loss of quality or slow download speeds.

Access

Peered content is accessible to all EduNet schools regardless of who sells the schools Access. Peering is also open to all educational Service Providers. This is in keeping with EduNet's open access philosophy.

*Correct at time of printing. Peered services may change from those stated here.

EduNet Peering technical diagram



Technology overview

What's in it for Content Providers?

Content Providers can now offer more complex, enriched content without fear of quality loss or reduced download speed. By Peering content with EduNet, Content Providers can help realise the potential of fibre and lead the way in a new generation of exciting educational content.

Bandwidth options

	Name	Service	Options
For Content and Service Providers	EduNet Peering	Transport	10 Mbit/s 100 Mbit/s 1 Gbit/s

Service Attributes	
Customer Connections	Copper (RJ45 connector): <ul style="list-style-type: none"> • 100Base-TX (100 Mbit/s) • 1000Base-T (1 Gbit/s) Fibre (SC or LC Connection): <ul style="list-style-type: none"> • 1000Base-SX/LX/ZX (1 Gbit/s)
Mode	Full duplex
MAC Layer	IEEE 802.3
Interface Speed	100 Mbit/s, 1 Gbit/s
IP Address Management	Vector Communications will allocate IP address space to the customer for link addressing purposes. Should additional IP addresses (or address space) be required, customers need to submit a formal request including a basic network topology diagram and address utilisation plan.
EduNet Peering Link Usage	EduNet Peering is intended for sharing high quality educational content only. It cannot be used to deliver public internet traffic to VectorFibre, EduNet or InterNet users.