

EduNet Transport

Direct Fibre Transport for Service Delivery



EduNet Transport provides Content, Application and Service Providers (CaSPs) direct, uncontended, fibre access to schools and institutions in the EduNet network. This creates an opportunity to offer value added services to the educational market.

EduNet Transport can be used to provide additional education network services including Internet and cloud storage, hosted applications and VoIP. All EduNet schools are connected directly using VectorFibre with 10Mbit/s, 100Mbit/s, and 1Gbit/s options. Traffic is managed at each school or educational centre using a Border Gateway Protocol (BGP) router, splitting your traffic from EduNet Access and EduNet InterNet traffic.

How it works

With access speeds of up to 1Gbit/s, EduNet Transport enables unfettered connectivity for schools to services which require dedicated transport.

Ideally suited to ISPs, EduNet Transport ensures EduNet remains an open network for schools to choose alternative Internet providers.

The open network architecture also delivers certainty for schools, future proofing decisions made today against national education network decisions made tomorrow. EduNet Schools can connect to whatever they choose on top of EduNet Access over an EduNet Transport link.

EduNet Transport can be delivered from the School directly to the Service Provider at 10Mbit/s, 100Mbit/s or 1Gbit/s.



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

Benefits

New market opportunities

EduNet Transport gives you a highly competitive product that you can use as the basis for new services for the education market.

Choice

EduNet Transport provide CaSPs choice for delivering services to schools, and provide schools with the choice of alternative and additional services not currently provided on EduNet.

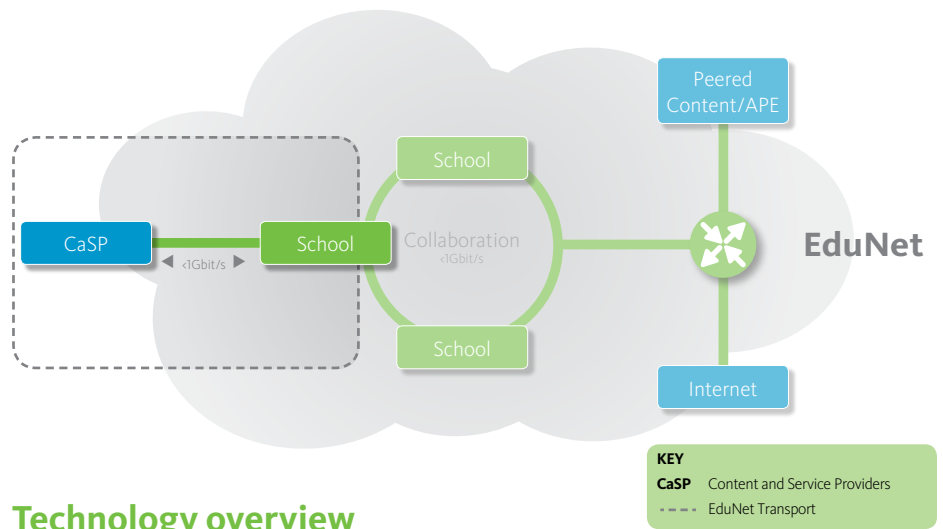
Dedication

Delivered applications without concern for throughput or contention concerns.

Future Proof

Connection flexibility and capacity mean decisions made today are not restricting your options tomorrow.

EduNet Transport technical diagram



Technology overview

What's in it for CaSPs?

Service Providers can now offer sophisticated applications and enriched content without fear of quality loss or reduced download speed. EduNet provides flat-rate UFB for schools and EduNet Transport delivers choice for those schools that need dedicated transport links to alternative networks, content, services and applications.

EduNet Transport is only available into EduNet schools – i.e. EduNet Access must be present or sold with EduNet Transport.

Bandwidth options

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

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
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.