

Areas of Concern	Uurnik Connect	MPLS
Target Customers	Suitable for large, medium and small sized enterprises	Suitable for large-size enterprises
Location Limitation	None. Any location is possible. The basic requirement being Internet termination at the customer location from any provider	Limited up to locations where service provider has network laid out or one of its partner service providers has a presence
Orientation	Any site-to-Any site, Full Mesh, Partial Mesh, Octopus Style (Multipoint and Point-to-Point technology)	Any site-to-Any site, Full Mesh, Partial Mesh, Octopus Style; requires special measures (Multipoint technology)
Deployment Time and Network Availability	Instant , easy and fast deployments like its for remote home user via Internet	Tedious, have to wait for media provisioning on site, like laying of fiber, supplier management, complex logistics involved
Cost	Low	High
Cloud Based Services	Wide array of Cloud based services available for customers over Internet	Limited availability of Cloud-based services for customers via their MPLS solution
WAN Technology Limitation on All Sites	No requirement of the WAN technology to be same on all sites. It can be a mixture of ADSL, 3G, Ethernet (based on fiber, etc.) or leased lines. Customers may have ADSL on one site and Ethernet on the other	Generally, an MPLS Service provider tends to deploy all connections using same technology e.g. Ethernet. However, this is not a requirement
Platforms Support	Supported on Routers (with appropriate security features license), Firewalls, VPN concentrators, etc.	MPLS can be terminated at any Layer 3 device such as Router, Firewall, Layer 3 Switches, etc.
OSI Layer	Works up to Layer 7	Works between Layer 2 and Layer 3
Decision Control of Traffic Routing	Customer has the control over traffic routing	Service provider has the control over traffic and its routing
Security & Confidentiality	Can use encryption, if required	Does not require encryption unless a customer has special compliance requirements
Provisioning and Management	Solution providers & customers can perform configuration and provisioning of entire setup	Service provider is responsible for providing and maintaining MPLS connectivity.
Mix of Providers	It does not matter if the Internet Service Providers (ISPs) are different on different sites. All that's required is an internet connection	If an MPLS Service Provider doesn't have presence at a particular site, it either has to build its infrastructure or may form interconnects with another provider having presence. The latter is possible but requires channel partnerships & a lot of engineering
Deployment Time and Network Availability	Instant , easy and fast deployments like its for remote home user via Internet	Tedious, have to wait for media provisioning on site, like laying of fiber, supplier management, complex logistics involved
Configuration Management	Every time a new site gets added, the advanced solution does not require configuration on all the other sites. Legacy technologies required configuration updates on rest of the sites. That's no more the case.	Limited configuration changes may be required on other sites when a new site comes up e.g. routing policy updates
Suboptimal Traffic Traversal	Traffic from one branch site to another does not need to traverse via the headoffice. Legacy security technologies drove this until a separate secure connection was setup for each site. That's no more the case!	Traffic from one branch site to another goes direct without traversing the headoffice
Communication Between Sites	Dynamic establishment/tearing down of a secure communication channel between the branches is possible. No special configuration is required for that. Legacy technologies enabling secure connections were static . That's no more the case!	Traffic from one site to another uses pre-deployed physical links