

# PRIVATE LEASED LINE

A customisable, private and dedicated connection to carry communication and traffic to and from your organisation reliably and securely.



MEF 3.0  
Carrier Ethernet



MEF 3.0  
LSO Sonata



Network Resilience  
and Risk Assessment

Connectivity

[time.com.my](https://time.com.my)

time™

# Key Features



## Powered by CPCS™

- 100% network availability
- Fully resilient meshed DWDM network
- Virtually limitless capacity



## 100% Dedicated Access

- Standard Ethernet link
- No sharing
- No network congestion
- Layer 2 physical network security



## Future-proof Capabilities

- MEF 3.0 certified
- Seamless integration with other core services



## Full Layer 2 Control

- Service Level Guarantee of up to 99.9%
- Healthy maintenance process



## Customisable Options

- Upgradable to layer 3 for enhanced services
- Status reporting
- Access resiliency options
- Scalable from 2Mbps up to 10Gbps

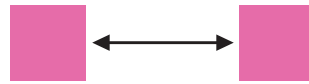


## Dedicated Support

- Proactive monitoring
- 24/7 support
- Network performance supporting

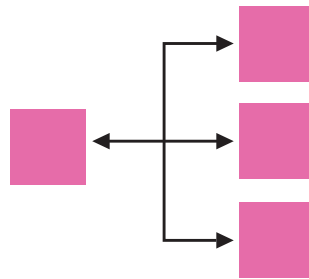
# Network Configuration

## Point-to-point



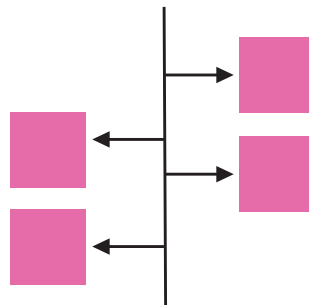
- Secured connection between two locations
- Dedicated bandwidth
- Connects two Local Area Networks into one seamless network

## Point-to-multipoint



- Hub & Spoke design
- Secured connection between multiple branches to HQ or to centralised server
- Scalable bandwidth for each individual connection

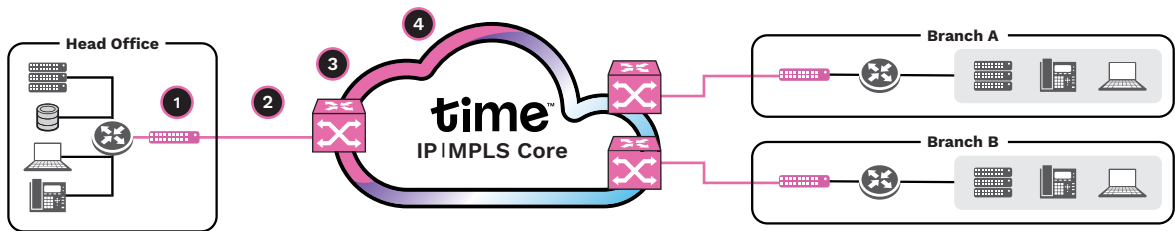
## Multipoint-to-multipoint



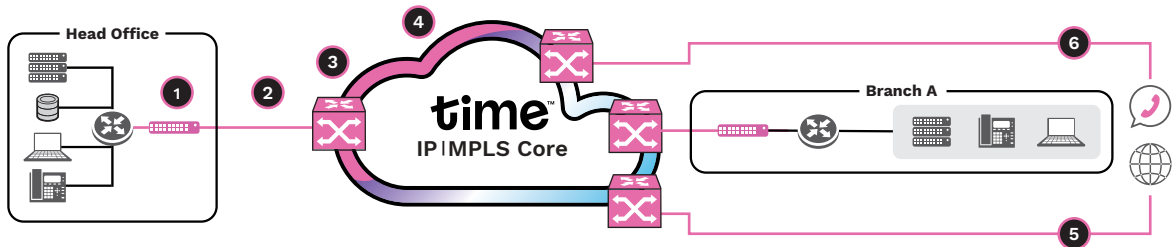
- Transparent LAN connection between all locations
- Eliminates risk of single “hub” site
- Different bandwidth for different sites

# Types of Deployment

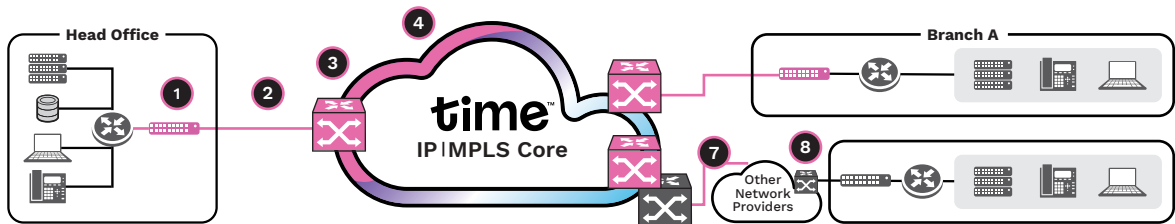
## Typical WAN Deployment for 3 Locations



## WAN with Shared Internet & Voice Infrastructure



## WAN Interconnected with Other Service Providers



1

- Integrated Managed Switch**
- 8-port fully managed switch
  - Native IPv6 dual-stack ready

2

- Dual Fibre Active Ethernet**
- Directly connected to IPIMPLS core nodes
  - Optional additional access resiliency design

3

- IPIMPLS Core Node**
- 1Gbps Ethernet port
  - Fully redundant 1+1 architecture

4

- 99.99% IPIMPLS Core**
- Fully resilient meshed network system
  - Shortest primary & infinite secondary route

5

- Time International Gateway**
- Connected to head office network
  - Shared policies across corporate network

6

- Time Voice Gateway**
- Connected to head office central PBX
  - Domestic & international voice network

7

- 99.99% Network-network Interconnect**
- Seamless integration with other networks
  - Located at carrier neutral data centres

8

- Third-party Network**
- Fully managed by Time
  - Domestic or international service providers

## Key Specifications

<b>Delivery Medium</b>	<b>Dedicated Leased Line</b>
<b>Bandwidth</b>	<b>2Mbps-10Gbps</b>
<b>End-to-end Performance</b>	✓
<b>Layer 2 Service</b>	✓
<b>Secured Network</b>	✓
<b>Multi-protocol Infrastructure</b>	✓
<b>High-availability Design</b>	✓
<b>Jumbo Frame</b>	✓
<b>Resiliency Options</b>	✓
<b>Service Level Assurance</b>	<b>Up to 99.9%</b>
<b>Network Capacity of up to 100Gbps</b>	✓
<b>Dedicated Helpline</b>	✓
<b>Certified Technical Support Teams</b>	✓