



Hermes Service Portfolio: Routed IP Services

Definition:

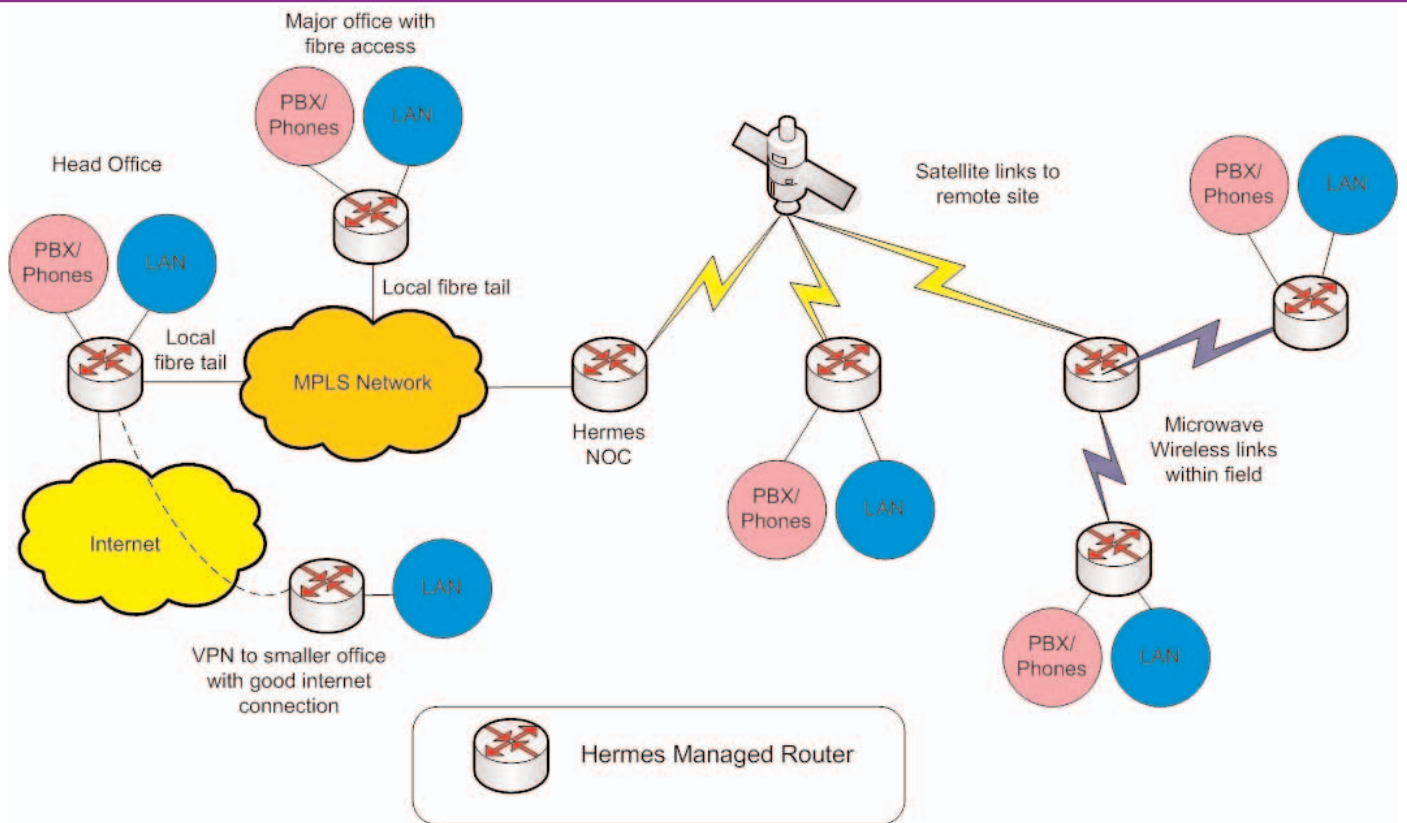
A point-to-point ethernet bridge connecting two sites across dedicated fixed bandwidth. A private network using fibre or satellite bandwidth to connect two or more sites, using layer 3 IP routing to manage traffic.

Provision:

Hermes provides links between sites using a combination of satellite and fibre. Fibre links may be traditional leased lines or include MPLS, VPN or ethernet connections. All links terminate on a Cisco router at each site which is managed by Hermes. Routes are then configured between sites as required. Sites can be fully or partially meshed.

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Typical Network Diagram:



Features:

• Speed/Bandwidth:

64Kbps-155Mbps

• Interface:

Ethernet. Voice interfaces (FXS, FXO, ISDN) also available.

• Routing protocol:

OSPF, BGP, RIP – subject to design.

• Prioritisation:

Traffic is prioritised according to protocol, source and/or destination IP addresses.

• Service Level Agreement:

Latency: Round-trip delay subject to physical design.

Errors: Packet loss under 0.001%

Jitter: Negligible within network.

Availability: Normally 99.98% excluding scheduled maintenance and solar outages minutes/month

• Compression:

Data compression is available to increase throughput.

• Protocol Acceleration over satellite:

Can be provided using SkyX gateways to increase server to server throughput. Requirement assessed at design stage.

• Management:

All links are fully managed.

• Redundancy:

Can be provided including automatic failover via secondary link or FRoIP VPN over internet.

• Acceptance Testing:

Protocol-based throughput and performance testing including QoS tests end-to-end.