



Fact Sheet

W-MegaPoP

WHAT IS IT?

TelstraClear Wholesale's W-MegaPoP solution provides carrier grade dial-up access that is scalable and reliable, allowing service providers to outsource all or part of their dialup access network requirements. W-MegaPoP can replace multiple ISDN services and modem banks.

WHAT DOES IT DO?

With W-MegaPoP, you can offer local call PSTN dial-up access to your customers via a single national dial-up 08XX number. W-MegaPoP lets you grow your business with minimal capital investment by offering a total dial-up access solution across New Zealand – a necessity for today's business customers.

HOW DOES IT WORK?

W-MegaPoP terminates dial-up PSTN/ISDN calls on TelstraClear dial gateways (Digital Modem banks) and delivers data traffic on those calls to your networks. It uses TelstraClear Ethernet, ATM or Frame Relay for interconnection. With a single TelstraClear Frame Relay/ATM/Ethernet connection into your premises, W-MegaPoP is designed to make Internet access cost effective and convenient for you and your customers.

WHO IS IT FOR?

For service providers needing a dial-up access network to provide Internet services to their customers.



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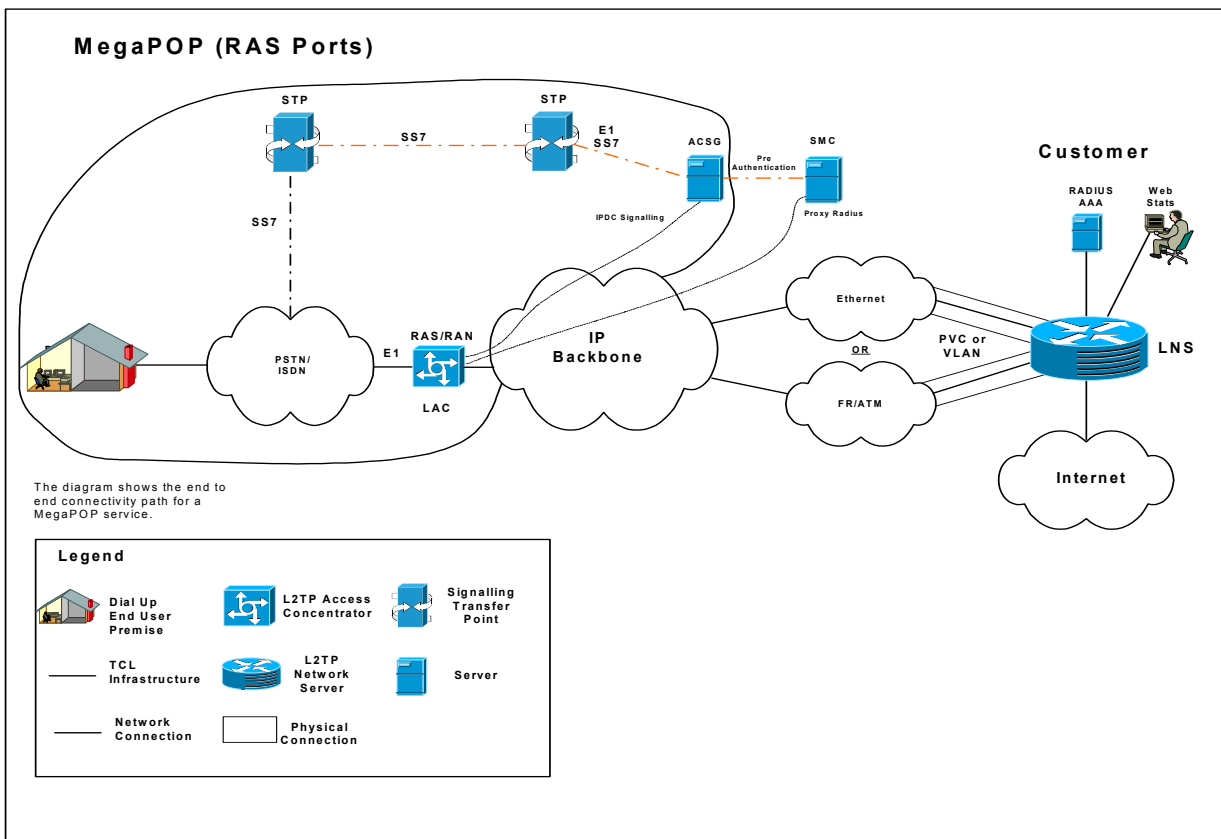
WHAT ARE THE BENEFITS?

Your customers will perceive that you have a significant presence in the marketplace, which can help to improve your business image and reputation. You can also save money on power and equipment space requirements and save time on getting your service offering to market. This is because the service can be provided in days, where capacity is available, with coverage in one city, region or across New Zealand.

With W-MegaPoP, you can maintain your existing infrastructure and add extra ports to extend your market reach or replace your entire existing infrastructure. Your cash flow will also benefit from the comprehensive billing capabilities of W-MegaPoP. You'll have full control of your product from pricing, branding and marketing, to the quality of W-MegaPoP service by controlling user to modem ratio and permanent virtual circuit (PVC) bandwidth.

As the service provider, you'll also look after IP address management issues such as authentication, authorisation and accounting, allowing you to more readily determine which customers will respond to new or additional service offerings, for example sub-VPNs.

Your technology risk is considerably reduced when you base your products and services on the reliability and technical capabilities of the TelstraClear network.



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SERVICE FEATURES

Data is delivered to your networks over our FR/ATM PVC /Ethernet VLAN at Layer 2, using layer 2 tunnelling protocol (L2TP)

Delivery of aggregated packets occurs via TelstraClear's Frame Relay ,ATM or Ethernet services. This technology allows calls to be aggregated into a minimum number of interfaces.

Capped or burst ports may be selected. Capped ports are dedicated to you at all times; burst ports are only available if they are not in use by another customer when access is attempted.

You can nominate the number of ports of each type however; the number of burst ports cannot exceed the number of capped ports for a given W-MegaPoP service area.

W-MegaPoP supports V.90/V.92 PSTN and ISDN dial up access, providing higher speed access of up to 56Kbps with PSTN or up to 128Kbps with ISDN access.

Asynchronous PSTN access allows auto-speed select up to the latest V.90/V.92 (up to 56Kbps) technology standard. QuickConnect and V.44 link-layer compression features are supported with V.92, while features such as modem-on-hold and PCM Upstream are not currently supported on our W-MegaPoP network.

Synchronous ISDN access provides speeds of 64Kbps and the possibility of 128 Kbps where two ISDN calls arrive simultaneously. With Radius messaging port management, the Telstra Radius proxy server will monitor the number of ports that you have in use. Preauthentication is used to verify the availability of ports before a call is answered. If you have spare ports, then the call is answered otherwise a busy tone is provided to your customers. Radius messaging also provides coding of the call type and call parameters for Advice of Charge information (this service is not available for W-MegaPoP Layer 2).

WHAT ARE THE PRODUCT PREREQUISITES FOR THIS SOLUTION?

You'll need the following prerequisites in place before you can use W-MegaPoP services:

- TelstraClear's Frame Relay , ATM or Ethernet service, which is used as transport between the W-MegaPoP network and your network
- Permanent virtual circuits (PVCs) or VLAN's, purchased under your ATM / Ethernet service, are required from each region where you have acquired capped ports
- Separate data PVCs are required for each W-MegaPoP service
- W-MegaPoP Layer 2 tunnelling protocol (L2TP) delivers Point-to-Point Protocol (PPP) frames to the layer 2 tunnelling protocol network server (LNS) and you will be responsible for terminating and authenticating the PPP sessions. Allocation and management of client IP addresses is also your responsibility.





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WHAT OTHER TELSTRA WHOLESAL SOLUTIONS CAN COMPLEMENT THIS PRODUCT?

Telstra Wholesale vISP Dial relies on the W-MegaPoP product for their operation. For information on these products, talk to your Account Manager.

PROVISIONING

Provisioning of W-MegaPoP service is carried out within 22 business days.

SERVICE ASSURANCE

Service assurance is vital in a competitive data market and all of TelstraClear Wholesale's data services are covered under a comprehensive Service Level Agreement (SLA)

The primary point of contact for service issues is the TelstraClear Helpdesk. Through the helpdesk we provide:

- a 24x7 fault logging facility;
- investigation and management of faults through to resolution;
- updates on progress with fault resolution;
- escalation of unresolved faults

For critical impact faults the target response time is 20 minutes and target fault resolution time is 4 hours.

FOR FURTHER INFORMATION

Contact your TelstraClear Wholesale Account Manager.

