

Evolve Internet

OPTUS *yes*

**HIGH PERFORMANCE
INTERNET IS HERE**

NOW WITH MORE FLEXIBLE OPTIONS

OVERVIEW

Today everyone and everything is linked to the internet via multiple devices and countless applications both at home and at work.

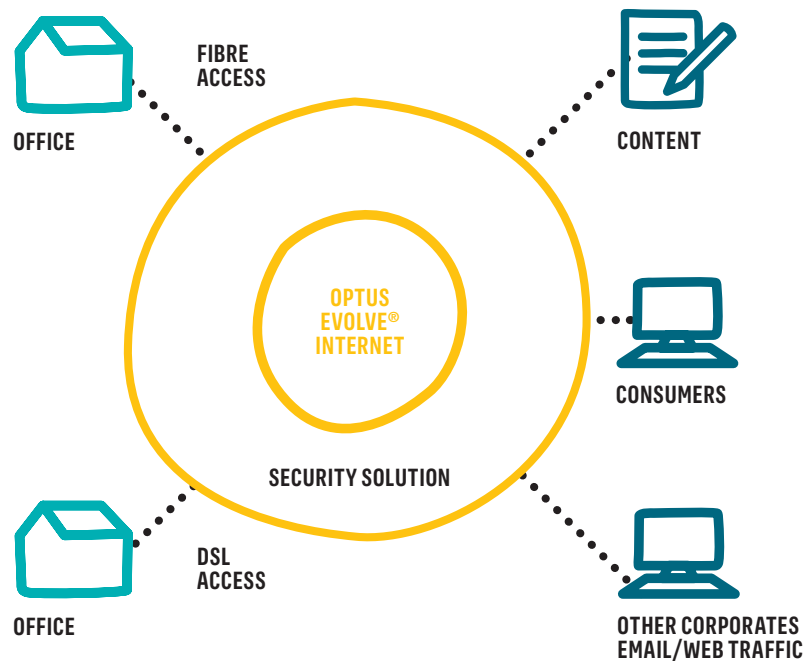
Whether you're an ISP offering retail broadband to residential and business users or reselling direct internet access to your customers, you want internet that can keep up with you and your end-users.

Part of the Optus Evolve suite of products, Optus Evolve Internet provides you a flexible solution which allows your end-users to share information, send interoffice web traffic, as well as access the greater world wide web. With a choice of access, bandwidth and security options, you can design your network to suit yours and your end-users' needs.

FEATURES

With Evolve Internet you can:

- Select speeds, features and options to meet yours and your end-user's needs with its simple modular design.
- Choose to add integrated security features.
- Have the option to connect to both national and International IP addresses, national only or international only IP addresses.
- Choose one of two protection options (Standard or Lite[®]) for traffic prioritisation.
- Have the optional ability to burst above your specific subscribed bandwidth.
- Choose to be charged differently between peak and off-peak periods.
- Have the option of local IP interconnect if you are a CDN¹ provider.
- Take advantage of our geographic diverse connection into the Southern Cross cable network.
- As part of your product tool set, you can additionally plug in Evolve Voice, Evolve EWAN and Evolve IPVPN to build an integrated voice and data solution for you and your end-users.



WHY CHOOSE OPTUS WHOLESALE?

Evolve Internet gives you access to some of Optus' key network assets:

- Fully protected, low latency connectivity to the US on our Southern Cross cable system.
- Direct route to Asia via the low latency cable system SMW-3.
- Diverse routes to the rest of the world via other cable systems.
- As a Tier 1 ISP, our peering arrangements with other Tier 1 ISPs both nationally and internationally.
- SingTel's international backbone networks.
- Upgrade of the core network infrastructure to MX-series Juniper core router platform.
- Upgrade of Optus' backbone network to 100G systems.

We give you the edge by providing you carrier-grade download speeds and quality of service for both your domestic and international IP traffic.

BENEFITS

Multiple service options

Offer options to suit your needs. The Standard option is suitable for business-grade and carrier-grade IP transit applications. While the Lite[®] service option is ideal for business access.

Efficiently deliver your data

Via direct interconnection with the Optus network you can serve content to one of Australia's biggest fixed and mobile broadband customer base.

Protect your customers' information

Offer optional integrated security features for protection at the network layer with Distributed Denial of Service (DDoS) by filtering malicious traffic.

Flexible billing options

With 95th percentile billing option, you can burst your traffic depending on the demand and cater for any unexpected uplift in internet traffic.

Performance reporting

Secure online Optus eCare portal reporting for each service, shows stats on traffic sent and received, any service interruptions, hourly average ping times and percentage availability over the last 60 days.

Extensive access

Via Optus' extensive coverage, reach your customers' business sites with copper and fibre access^{*} options.

Table 1.0

PRODUCT ATTRIBUTE	EVOLVE INTERNET STANDARD	EVOLVE INTERNET LITE [®]
POSSIBLE APPLICATIONS	Carrier-grade IP transit services	Contented internet direct to end-users
TRAFFIC PRIORITISATION	Medium traffic prioritisation	Low prioritisation
SOUTHERN CROSS CABLE PROTECTION OPTIONS (Under normal situations is dimensioned to protect all active traffic)	Always available	Available when there is excess capacity
AVAILABILITY	99.85%	99.5%

Please consult the Technical Product Description for more details.

Table 2.0

ACCESS	FIBRE ACCESS	COPPER ACCESS
BANDWIDTH[*]	2Mbps-10Gbps [*]	2Mbps-20Mbps [*]
CUSTOMER PORT SPEED	10/100M/1000M/10G	10M/100M
CUSTOMER INTERFACE TYPE	10/100/1000BaseT (RJ45) 1000BaseLX (SMF) 10GBase-L (SMF)	10/100BaseT (RJ45)
ROUTING PROTOCOLS	BGPv4, BGPv6, Dual Stack, Static	Static, others available on request
IP ADDRESSING	WAN link IP addressing assigned from routable public IP address space: /30 subnet; fixed addressing. You have the option to supply an IP address from your own range.	
NETWORK MONITORING	24 x 7 x 365	
DDoS	Detection and mitigation functionality	
ANCILLARY SERVICES	For ancillary service requests: 1. Public IP Address 2. Autonomous System Number (ASN) 3. Domain name registration/delegation 4. Secondary DNS service and administration 5. Route advertising "Request" web site is accessible through eCare portal	

^{*}Bandwidth speeds represent the potential maximum speed available on the network. Actual speeds experienced by your end users will depend on a number of factors such as their equipment, quality, software and hardware, internet traffic and broadband plans.

WANT MORE INFO?

Optus Wholesale Evolve Internet is part of a range of products under the Evolve suite offered by Optus Wholesale.

FOR ALL YOUR WHOLESALE NEEDS

If you require more information please chat to your Optus Wholesale Account Manager.

Email OWSWebMails@optus.com.au

THE NITTY GRITTY: Important information: *The speed available to you may vary depending on the access option chosen and your end-customer's location. †Evolve Internet Lite is available when bundled with Evolve EWAN. ‡Content Delivery Network. Copyright© 2014.

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