



DDOS PROTECTION

Vocus DDoS Protection services are your best defense against malicious cyber attacks. As the threat of Distributed Denial of Service (DDoS) attacks increases, our ongoing investments in detection and protection ensure your network is always up and running.

OUR SOLUTION FOR YOU

As one of ANZ's most significant Internet transit providers, Vocus understands the impact of DDoS attacks. We continue to expand our DDoS detection and mitigation infrastructure through our investment in the Vocus Threat Detection System (TDS) and Threat Prevention System (TPS).

Threats are identified by the TDS as the attack enters our network – typically before they even reach Australia, immediately notifying the Vocus Network Operations Centre (NOC). The TPS is designed to automatically respond to emerging threats, providing tools for our NOC to respond to alert situations. Furthermore, DDoS traffic can be optionally scrubbed to present clean traffic to your network.



Our IP Transit products come standard with RTBH filtering



Choose your level of DDoS Protection (DDoS Detect/Protect)



TDS monitors all ingress points on the Vocus IP Transit network



TPS Infrastructure in USA, ASIA and ANZ



Access to skilled engineers in the 24x7 Vocus Network Operations Centre



Anytime access to our DDoS portal to view traffic reports and event history

WHO IS IT FOR?

Vocus DDoS Protection services are for any sized organisation wanting to protect their data, uptime and reputation.

	Small 10 - 100 Staff		Medium 100 - 500 Staff		Large 500+ Staff
---	--------------------------------	---	----------------------------------	---	----------------------------

VOCUS DDOS PROTECTION

Any business that operates online is at risk of being targeted by a Distributed Denial of Service (DDoS) attack. Threats come in many different forms, the most common being a volumetric attack where compromised internet-connected devices are engaged to overwhelm a target server or network.

These attacks can cripple your organisation, creating outages that can impact your ability to do business. One factor is certain, the scale of DDoS traffic is constantly increasing and affecting us all.

THREAT DETECTION SYSTEM (TDS)

- TDS Monitors all ingress points on the Vocus IP Transit network, both domestically and internationally
- Provides DDoS alarms and notifications to customers and the Vocus NOC
- Triggers network data scrubbing by the TPS

THREAT PREVENTION SYSTEM (TPS)

- TPS Appliances in USA, ASIA and ANZ
- Over 320Gbps of network scrubbing capacity and growing
- TPS is designed to scrub DDoS traffic at the source i.e. before it consumes international bandwidth. Currently, most DDoS attacks originate offshore



WHICH LEVEL OF PROTECTION DO YOU NEED?



STANDARD VOCUS INTERNET

By default, Vocus customers have access to an internet transit network that monitors and protects against large-scale volumetric DDoS attacks. You also have access to skilled engineers in the 24x7 Vocus Network Operations Centre. Please note that Vocus DDoS Protection will only operate in combination with Vocus Internet, not third party Internet services.



VOCUS DDoS DETECT

The next level of protection is Vocus DDoS Detect. Additional to the features outlined for standard Vocus Internet, DDoS Detect gives you greater insight into your Vocus Internet service, including traffic reporting, DDoS event history and DDoS alerts and notifications. In addition, our customers may request per incident mitigation of DDoS attacks*.



VOCUS DDoS DETECT + PROTECT

For those requiring our premium protection solution, Vocus DDoS Detect + Protect is the premium level of DDoS support, adding automatic detection and mitigation of DDoS attacks to the DDoS Detect capabilities. Vocus DDoS protection ensures Vocus Internet customers enjoy the performance for which the Vocus network is renowned, while providing visibility and control over the events that would simply be called a service outage in other networks.

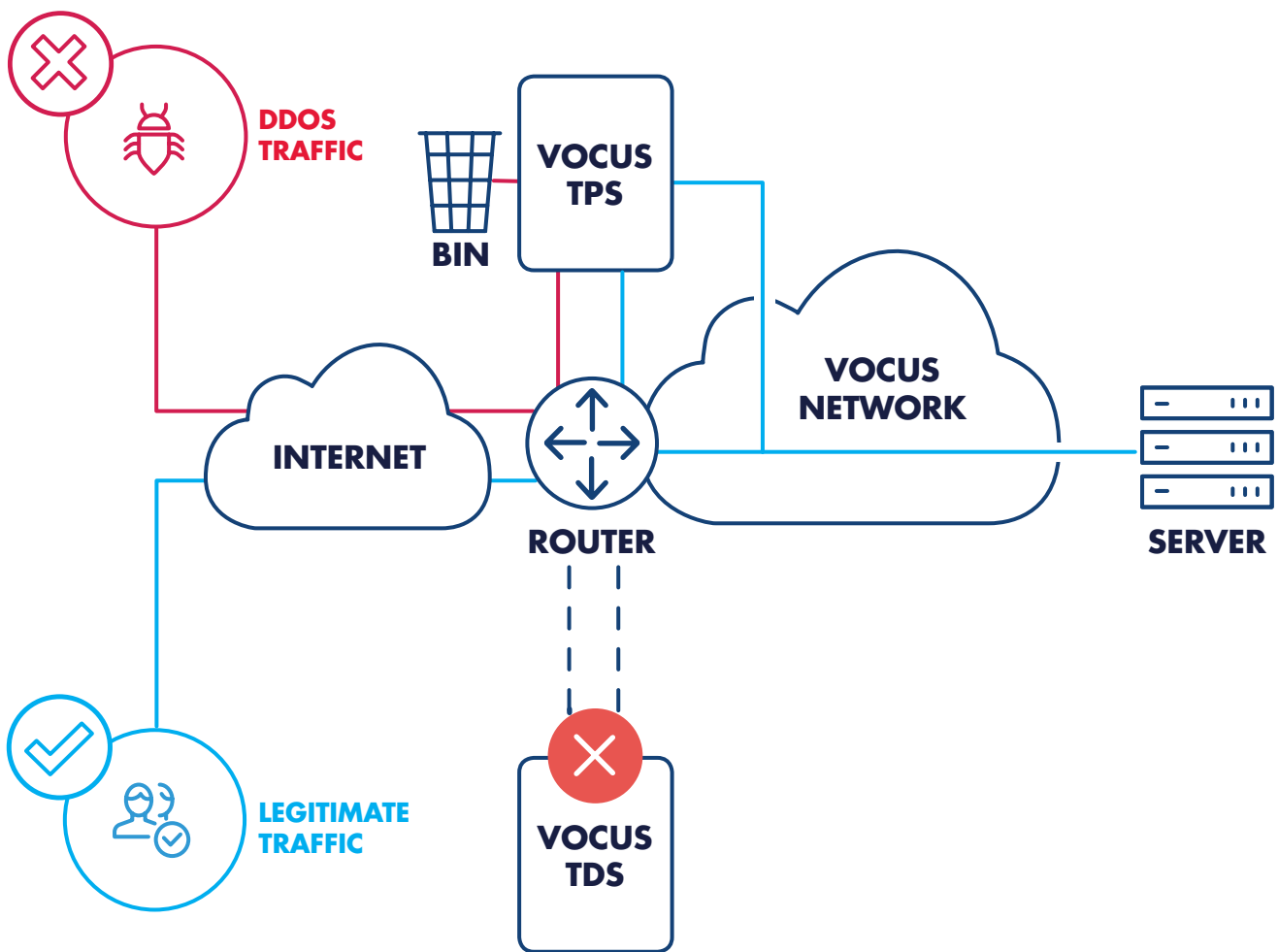
FEATURES & BENEFITS	Standard	DDoS Detect	DDoS Detect + Protect
MITIGATION			
RTBH – via BGP	✓	✓	✓
RTBH – via NOC	✓	✓	✓
Helpdesk Support (24x7) Access to Vocus NOC for technical support related to DDoS.	✓	✓	✓
Automatic Large DDoS Attack Mitigation. Scrubbing, filtering and/or black holing of large scale DDoS attacks.	✓	✓	✓
Manual per incident DDoS Scrubbing	✗	✓*	✓
Automatic DDoS Scrubbing Automatic mitigation of DDoS attacks affecting individual customers.	✗	✗	✓
Manual DDoS Scrubbing – BGP initiated Customer initiated scrubbing via BGP – during DDoS attacks only.	✗	✗	✓
ALERTS & NOTIFICATIONS			
Alert Summary	✗	✓	✓
Alert Characterization	✗	✓	✓
Email Alerts	✗	✓	✓
Raw data available	✗	✓	✓
MANAGEMENT & REPORTING			
DDoS Portal Access	✗	✓	✓
DDoS Portal – User ID's provided	✗	1	1
DDoS Portal – Additional User ID's available*	✗	✓	✓
Monitoring of Additional or Specific Devices*. Provides monitoring & reporting for specific IP addresses.	✗	✓	✓
Standard Traffic Reports Reports by application, TCP/UDP, protocol and top talkers.	✗	✓	✓
Customizable Reports. Available upon request. Fees may apply.	✗	✗	✓
DDoS Event History	✗	✓	✓
SERVICE AND SUPPORT			
Vocus Internet over Vocus Fibre SLA	99.95%		
DDoS Protect SLA	N/A	99.95%	
Help Desk availability	24x7x365		

* Note – fees apply



DDOS PROTECTION NETWORK OVERVIEW

DDOS PROTECTION NETWORK



090717 Vocus Product Overview DDos Protection

Want to learn more about how we can help you? Contact your Vocus Account Manager or call us on 1300 88 99 88 or visit vocus.com.au