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# 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.

[vocus.com.au](https://vocus.com.au)

**VOCUS**

# 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.

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 is a volumetric attack, where devices connected to the internet are compromised and then engaged to overwhelm a target server or network.

These attacks can cripple your organisation, creating outages that can impact your ability to do business. Employing DDoS protection can help mitigate risks and keep your networks secure.

## Vocus DDoS Protection key features



Our internet-over-fibre products come standard with RTBH filtering



Choose your level of protection with DDoS Detect or Protect



TDS monitors all ingress points on the Vocus internet network



TPS infrastructure in ANZ, Asia, and USA

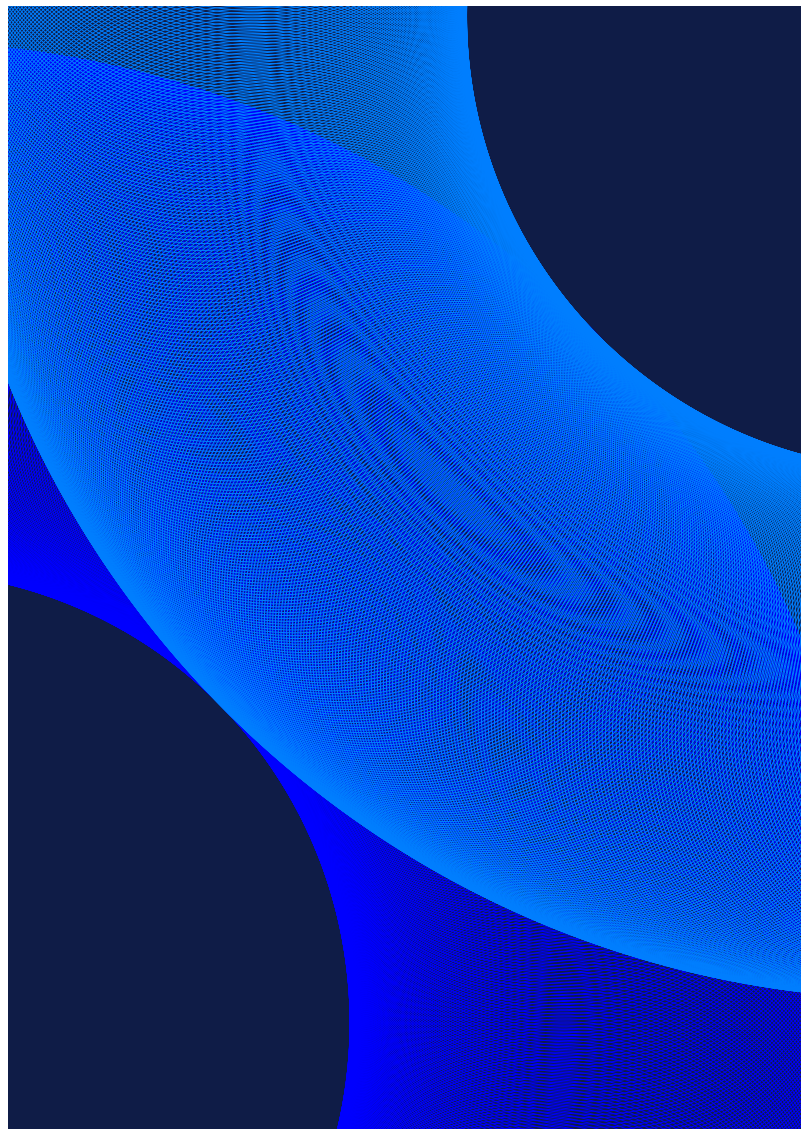


Access to skilled engineers in the 24x7 Vocus Network Operations Centre



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

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# Features and Benefits

Vocus DDoS Protection is suited for any-sized organisation wanting to protect its data, uptime, and reputation.

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## Threat Detection System (TDS)

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

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## Threat prevention system (TPS)

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

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# Levels of protection

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## 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

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## Vocus DDoS Detect

- The next level of protection is Vocus DDoS Detect.
- DDoS Detect gives you greater insight into your Vocus Internet service, including traffic reporting, DDoS event history, and DDoS alerts and notifications
- Our customers may request per incident mitigation of DDoS attacks\*

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## Vocus DDoS Detect + Protect

- Vocus DDoS Detect + Protect is the premium level of DDoS support, adding automatic detection and mitigation of DDoS attacks to the DDoS Detect capabilities
- Ensures Vocus internet customers enjoy the performance our network is known for
- Provides visibility and control over events that other networks would call a service outage



# Product specifications

Mitigation	Standard	DDoS Detect	DDoS Detect + Protect
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%	99.95%	99.95%
DDoS Protect SLA	N/A	N/A	99.95%
Help Desk availability	24/7 x 365	24/7 x 365	24/7 x 365

\* Note – fees apply