

Denial of Service Protection

Protect, Monitor & Defend






Summary

Telstra's Denial of Service Protection (DoSP) solution protects your network and enterprise from the threat of Distributed Denial of Service (DDoS) attacks. DDoS attacks are malicious attacks accomplished by flooding the targeted resource with superfluous requests in an attempt to overload and prevent some or all legitimate requests from being serviced. DDoS attacks can cause downtime to internet services for you and your end users which can impact productivity, trust, customer satisfaction, brand confidence and cause financial loss. Telstra's DoSP solution gives you the confidence to manage these unwanted attacks against your critical online assets and websites.

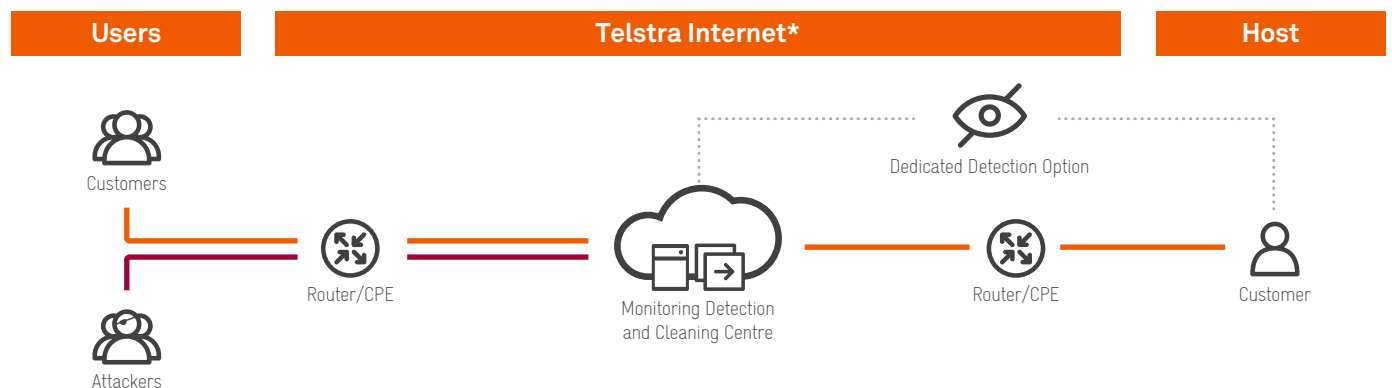
We can provide a powerful and unique combination of protective measures to your business which include:

- A monitoring, detection and mitigation system
- 24-hour, year round operational support
- The choice of Telstra initiated, customer initiated or automatic mitigation of attacks

Benefits

-  **Safeguard Availability** – Attacks are filtered before they reach your network to help protect against DDoS attacks.
-  **Reputational and Financial Protection** – Help avoid the costs to your bottom line or to your customers' trust as a result of a DDoS attack.
-  **Global Reach** – We can also provide a solution which allows you to monitor and protect your business and critical online services from a single portal providing peace of mind.
-  **Simplicity** – Protection against Denial of Service attacks without the need to purchase, deploy or install any additional hardware or hire specialist security staff.
-  **Managed Solution** – Proactive, near real-time management and monitoring to deliver cost-effective, customised 24/7 protection for the mitigation of distributed denial of service attacks targeted at your Internet connection.

A Telstra Network Security Service that monitors your traffic and when an attack is seen, activates a cleaning solution to mitigate the effect of the attack.



*Includes GID/TID & IP Transit

We provide two service options to meet your risk profile and regulatory needs:

- **Premium:** Monitors your internet link and internet facing on premise equipment offering added protection for companies whose reliance on the internet is mission critical to their business. Customers have access to our trained security professionals whenever required.
- **Standard:** Monitors your internet link only. This would be suitable for companies who use the internet is part of their everyday business but not for vital operations. Customers also have access to our trained security professionals whenever required.

Online Customer Portal

- Gives you the ability to instigate protection and access relevant data and reports on specific attacks and overall attack activity.

Flexible Mitigation Options

- If thresholds are reached, mitigation can be activated manually or automatically.
- Traffic is redirected to a cleaning centre for mitigation. Both premium and standard customers have the option of activating mitigation online.

On Premise Equipment Management

- Routers providing netflow records and receiving clean traffic from the GRE tunnel delivering cleaned traffic back to your network can also be managed by Telstra.

Managed Security Integration

- The solution can be integrated with Managed Security Services to provide enhanced monitoring of customer infrastructure, e.g. intrusion detection systems.

Complementary security products & services

Telstra Denial of Service Protection forms a key element of our wider security services portfolio, helping to protect our customers from malicious, distributed denial of service attacks and defending their critical online services. Our highly trained, dedicated team of security analysts provide a 24/7, round the clock monitoring and detection service to safeguard our customers' online assets. In addition to our DoSP solution, Telstra offers other complementary security solutions to our customers which include:

- **Telstra Internet Protection Web & Mail:** Proactive, in-the-cloud protection against phishing, malware, ransomware and impersonation attacks.
- **Telstra Gateway Protection Advanced:** Provides your business with an advanced cloud based secure Internet gateway, delivering virtualised Next Generation Firewall services.
- **Telstra Security Consulting Services:** Helps protect your information assets from security breaches and threats by recommending the appropriate strategy, architecture, solution and services for your environment.
- **Managed Security Services:** Telstra's Managed Security Services combine event data, analytics and discovery tools to give you visibility, detection and notification of security incidents in order to respond in a timely manner.

Service features

Telstra's Denial of Service Protection solution has the following features:

Global Coverage

- Telstra owns, manages and operates a global platform of traffic cleaning centers located at major international internet peering points.

Dedicated 24/7 Hotline

- If under attack, you can notify Telstra immediately and if the attack is confirmed, mitigation procedures will commence within a matter of minutes.

Monitoring and Alarming

- Status of your network can be monitored online. Premium customers can also send network data (netflow) to Telstra collectors for enhanced monitoring.
- Multi-Carrier Monitoring allows netflow records to be directed from a non-Telstra internet access link/router into the Telstra DOSP monitoring platform.
- Notification will be sent if your traffic thresholds are crossed.

Clean Traffic Management

- You can select the sites and associated prefixes that will form part of your normal 'baseline' traffic to assist the detection of potential threats.
- Unique ability to provide granular levels of protection including support for /32 host level protection.
- Traffic re-injection delivers cleaned traffic to you by utilising generic routing encapsulation (GRE) tunnelling technology.

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