

Denial of Service Protection

Protect, monitor and defend your business
in an evolving threat landscape

In recent years, Distributed Denial of Service (DDoS) attacks have evolved to become more prevalent and sophisticated.

DDoS attacks involve a multitude of systems on the internet attacking a single target simultaneously to overload and prevent some or all legitimate requests from being serviced. Depending on the magnitude, these attacks can cause downtime to internet services for you and your end users, impacting productivity, trust, customer satisfaction, and brand confidence with potential financial implications.

What's Denial of Service Protection?

Telstra's Denial of Service Protection (DoSP) solution protects your network and enterprise from the threat of DDoS attacks. These malicious attacks can prevent legitimate requests from being serviced and cause internet service downtime. Your productivity, customer satisfaction, and profits can be potentially impacted significantly when these attacks are allowed to wreak havoc in your business network.

Our DoSP solution gives you the confidence to manage these unwanted attacks against your critical online assets and websites. It provides a powerful and unique combination of protective measures for your business which includes:



A monitoring, detection and mitigation system



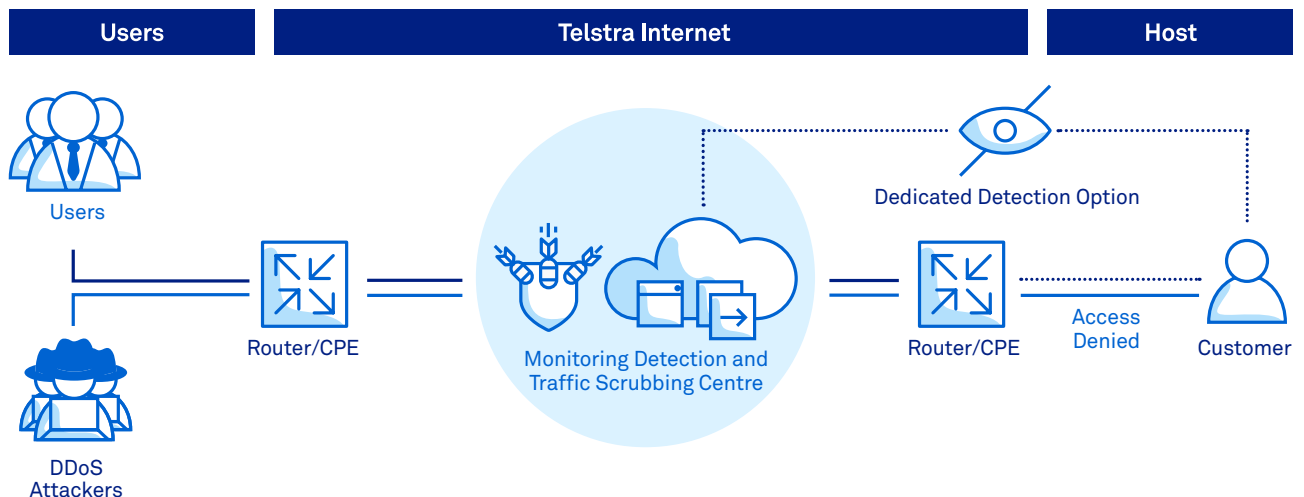
24-hour, year-round operational support



The choice of Telstra-initiated, customer-initiated, or automatic mitigation of attacks

How does it work?

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



*Telstra Internet Direct / Global Internet Direct solution.

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



Premium monitors your internet link and internet-facing on-premise equipment, thus 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 using the internet as part of their everyday business but not for vital operations. Customers also have access to our trained security professionals whenever required.

Key components

With our DoSP solution, specialised hardware and systems are deployed within Telstra's core network to support DDoS detection, attack mitigation, threat management, and reporting functions.

The **two main hardware components** of the Telstra DoSP platform are:



Netflow Collectors

The Netflow Collectors continuously monitor traffic levels at specific entry points to your network by using the Netflow protocol. DDoS alerts are generated when the traffic level exceeds the pre-determined baseline values at those traffic monitoring points.



Mitigation Centres

Telstra's Mitigation Centres are deployed globally within our domestic and global network infrastructure. If traffic filtering is required during a DDoS attack, your downstream traffic will be diverted to Mitigation Centres for cleaning purposes. 'Clean' traffic is then delivered back to your network via generic routing encapsulation (GRE) tunnelling technology.

The key feature of Telstra's DoSP solution is the global presence of traffic mitigation / scrubbing facilities that allow the DoSP platform to mitigate a DDoS attack closer to its source (or sources) that significantly enhances its effectiveness.

24X7 Proactive Monitoring

DDoS alerts are monitored 24X7 by a dedicated team of cybersecurity analysts and specialists within our T4-certified Security Operations Centres (SOCs) based in Australia.

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 that allows you to monitor and protect your business and critical online services from a single portal, providing you with 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 24X7 protection for the mitigation of DDoS attacks targeted at your internet connection.



Monitoring and Alarming

- The 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.



Flexible Mitigation Options

- If thresholds are reached, mitigation can be activated manually or automatically.
- Traffic is redirected to a cleaning centre for mitigation.

Service Features



Global Coverage

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



Dedicated 24X7 Hotline

If under attack, you can notify Telstra immediately and upon confirmation of the attack, mitigation procedures will commence within a matter of minutes



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.

Get more with Telstra Managed Security Services

Our security domain experts and Managed Security Services can help address evolving cyber threats, enhance your security strategy whichever path you take, and help you understand the value of keeping your communities work secure for your business.

Telstra can provide a one-stop-shop security managed service through Telstra Purple. Our experts will provide **technical advisory, design, deployment, and support professional services**, leading to either an in-house managed solution, or Telstra's managed solution.

Why Telstra

Global Carrier-grade network, infrastructure, and Internet backbone	Industry Recognition	Strong alliance ecosystems	Telstra Innovation
<ul style="list-style-type: none"> • Twenty-six submarine cable systems—one of the largest and most diverse intra-Asia subsea network system, which delivers approximately a third of Asian IP traffic. • These services are underpinned by our extensive over 400,000 km of cable length network, with licences in Asia, Europe and the Americas and access to more than 2,000 Points of Presence (PoPs) in more than 200 countries and territories. • Access an ecosystem of clouds, data centres and partner services around the world with more than 36 global Programmable Points of Presence (POPs), directly integrated with over 2000 Telstra IPVPN POPs in 200 countries and territories. • The first foreign company licensed to provide connectivity and network services to China, and now operate data networks in 39 key cities and six data centres through our joint venture Telstra PBS in mainland China. 	<ul style="list-style-type: none"> • Telstra is ranked third in 2021 Gartner Critical Capabilities for Network Services, Global for Intra-Asia Pacific use case • Leader in IDC MarketScape Asia Pacific Next Generation Telecoms Services 2020 Vendor Assessment • Consistently ranked amongst Asia's most peered IP networks by Oracle Dyn's Internet Intelligence 		<ul style="list-style-type: none"> • Our 'Always On' High Resiliency for Private Lines, the first automatic restoration service on Asia's busiest subsea routes, guarantees connectivity even in the event of a cable cut or damage due to a natural disaster. • Telstra Programmable Network (TPN) is the industry's first globally connected on-demand networking platform that enables businesses to be agile and adapt to changing demand

About Telstra

Telstra is a leading telecommunications and technology company with a proudly Australian heritage and a longstanding, growing international business. Today, we operate in over 20 countries outside of Australia, providing data and IP networks and network application services to thousands of business, government, carrier, and OTT customers.

Interested?

Whether you're exploring new possibilities or needing support for your existing solutions, we're here to help.

Contact your Telstra account representative for more details.

Australia

 telstra.com.au

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