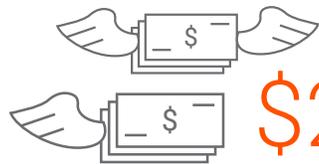


Shut the Booters Down, Keep Your Site Up



\$22,000
a minute

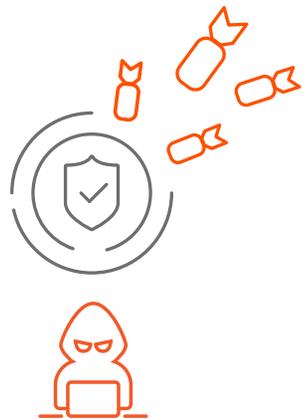
Average Cost of a Distributed Denial of Service (DDoS) Attack¹

Don't fall victim to the 'Booters' who turn on you for the right bitcoin price; don't become the latest Twitter trend; don't give groups like Phantom Squad and Lizard Squad any more notoriety for their DDoS-for-hire attacks. Step up your game, with a DDoS protection solution that keeps your gamers playing.

Taking down an online game can be an act of revenge, extortion or a source of pride. While the motives of a slighted gamer or a criminal ring may be different, the results are the same – play is suspended, all your gamers are frustrated and mad, and you lose money and credibility.



17 Hours
Average Downtime of a DDoS Attack²



Attackers Look for the Weakest Link – Make Sure There is None

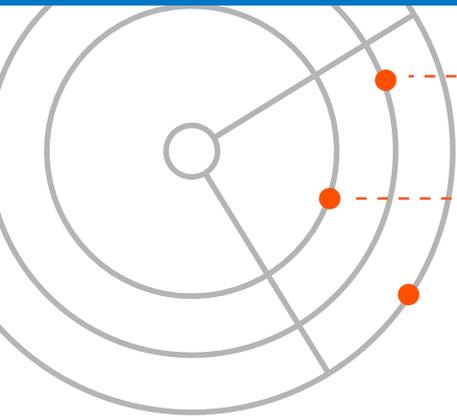
The DDoS attackers targeting your gaming platform will often use a combination of tools and tactics to try to find your weakest link and shut you down. They may try to:

- Saturate the **bandwidth** of your uplinks (hundreds-of-gigabits).
- Overwhelm servers and databases with **application** requests.
- Flood **network security** devices (firewalls and intrusion prevention systems) with stateless traffic to deplete the connection tables.

A10 Networks® Thunder® Threat Protection System (TPS) can make sure they are unsuccessful, protecting you from multi-vector DDoS attacks to ensure your applications remain online and your gamers stay in the game.

¹ Source: <http://www.ponemon.org/>

² Source: 2016 IDG Connect DDoS Survey at <https://www.a10networks.com/resources/2016-idg-connect-ddos-survey>



The Thunder TPS Difference



A10 Thunder TPS™ continuously monitors the traffic to your network, so it can immediately detect and shut down any bandwidth, application or network attack vectors. Thunder TPS:



Unparalleled Performance

With a **1RU** device
Thunder TPS delivers up to

155 Gbps

- **Accurately distinguishes the good from the bad** – ensuring the activity of gamers and ‘good’ bots, such as those used by Google, Baidu, etc., are not impacted while they are on your site. Thunder TPS can validate the legitimacy of a client, as soon as thresholds, which can be set by you or automatically learned by the solution, are exceeded to accelerate attack identification and mitigation. The solution can also leverage A10’s Threat Intelligence Service, which tracks and indexes bad actors on the Internet, and immediately block these attackers as soon as they attempt to enter your network.
- **Cost-effectively scales to support all your gamers** – delivering the highest performance, in terms of bandwidth, packet-per-second throughput and connections-per-second capacity to give you the headroom you need to protect spikes in traffic, on a worldwide scale, with minimal capital investment. Thunder TPS provides hardware-based mitigation for 60 of the most common attack vectors, reserving the platform’s ultra-powerful CPUs for more complex application-layer attack detection to ensure lightning fast attack identification and mitigation.
- **Can be customized to meet your unique needs** – offering a fully programmable platform that enables your DevOps team to tailor the solution to address your specific needs. Thunder TPS enables you to define the enforcement of advanced security policies to ensure they are consistent across your environment - you can decide what to look for and whether mitigation is manual or automatic. The solution is simple to deploy and integrate into your environment, including your third party and custom systems.
- **With a full parity API and leverage of the BGP protocol** – BGP can be used for example to easily distribute authenticated client IP addresses, as well as for third-party analytic devices to instruct to redirect suspicious traffic to the Thunder TPS via BGP Blackhole signals. With this flexibility, you can be sure the platform is able to integrate into your unique environment.



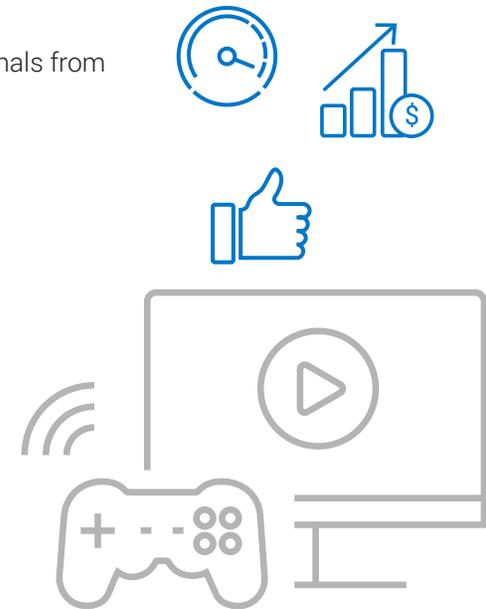
From an
**Easy-to-Use,
Centralized
Management Interface**

Thunder TPS gives you access to more than 400 global destination-specific and behavioral counters that can be used to quickly detect and understand any anomalies in your network

Delivering Value for Your Game Like No Other

A10 Thunder TPS provides the DDoS protection you need to keep disgruntled gamers, 'Booter' services and criminals from ruining your game. With Thunder TPS you can:

- **Optimize performance** – delivers ultra-low latency, with sub-second mitigation times to minimize any 'gaming lag' and ensure ongoing availability that can keep up with the fluctuating demands of all your gamers, on a global scale.
- **Maximize revenue** – streamlines deployment and ongoing operations to cost-effectively protects the integrity of your game from damaging DDoS attacks to keep your players playing and your game generating revenue.
- **Satisfy gamers** – provides security with virtually no latency, no delays, and no extra steps (splash screens or CAPTCHAs), just always on access to your site and the games your gamers want to play, whenever they want to play them.



About A10 Networks

A10 Networks is a leader in application networking, providing a range of high-performance application networking solutions that help organizations ensure that their data center applications and networks remain highly available, accelerated and secure. Founded in 2004, A10 Networks is based in San Jose, California, and serves customers globally with offices worldwide. For more information, visit: www.a10networks.com

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To learn more about the A10 Thunder Application Service Gateways and how it can enhance your business, contact A10 Networks at: www.a10networks.com/contact or call to talk to an A10 sales representative.

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