Solution Brief

ORACLE DYN DDOS PROTECTION

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Solution Brief:

Oracle Dyn DDoS Protection

Cloud-based DDoS detection and mitigation offered as a 24x7 Managed Security Service

Overview

Organizations must embrace dynamically scalable DDoS protection to defeat DDoS attacks before they reach the network perimeter. Oracle Dyn DDoS Protection provides the global mitigation and 24x7 service that your organization needs to stay safe.

Enterprises of all sizes must realize they are prime DDoS targets for attackers looking to make a quick profit or make a statement. Taking a preemptive approach to manage the risk of DDoS attacks ensures your online operations are always available.

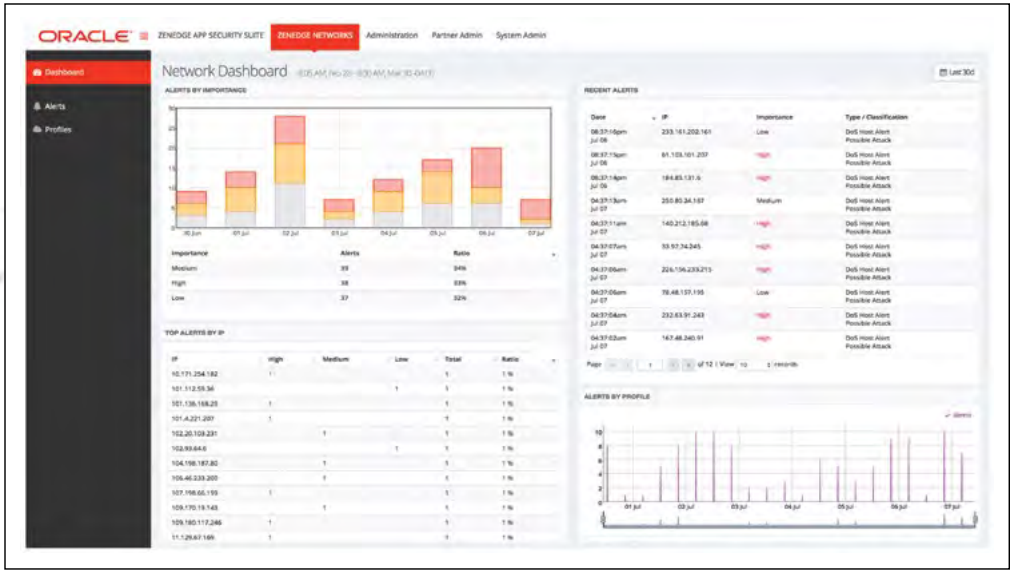
Cloud-Based Protection

Oracle Dyn DDoS Protection is a cloud-based solution that provides unlimited, scalable capacity with instant attack detection and mitigation. Oracle Dyn provides two versions of DDoS mitigation: Always-On or On-Demand. The solution detects and mitigates high volume, Layer 3/4 DDoS attacks closest to the source, ensuring the availability of your network resources even when under sustained attack.

Cloud-Based Management

Oracle Dyn DDoS Protection is deployed and managed 24x7 by a dedicated team of security experts. The solution is cloud-based, so there is no new hardware to install. The UI offers a feature rich dashboard reporting, analytics, and administrator tools.

Global DDoS Mitigation in under 60 Seconds



RapidBGP™: 60 second time-to-mitigate

RapidBGP provides always-on monitoring and automatic rerouting once an attack is detected. When no attack is detected, the traffic flows normally to the client's infrastructure. It is similar to an Always-On solution (instantaneous attack detection and automatic re-routing/mitigation), without any of the latency impacts or the risks of noisy neighbors during peace-time.

- **Fastest Time to Mitigation (FTTM)** – in less than one minute, the client is under full mitigation protection before the attack has ramped up.
- **Lowest Latency Impact** – latency is minimal, and only happens during an attack (contrary to an Always-On solution, when there is latency impact 100% of the time).
- **Surgical Mitigation** – RapidBGP diverts traffic to the Oracle Dyn Cloud for the C-class IP block (/24) that is under attack. Malicious traffic is removed and legitimate traffic is delivered downstream. The remaining traffic is not impacted; ensuring there is no collateral damage to the rest of the network, even while under a massive DDoS attack.

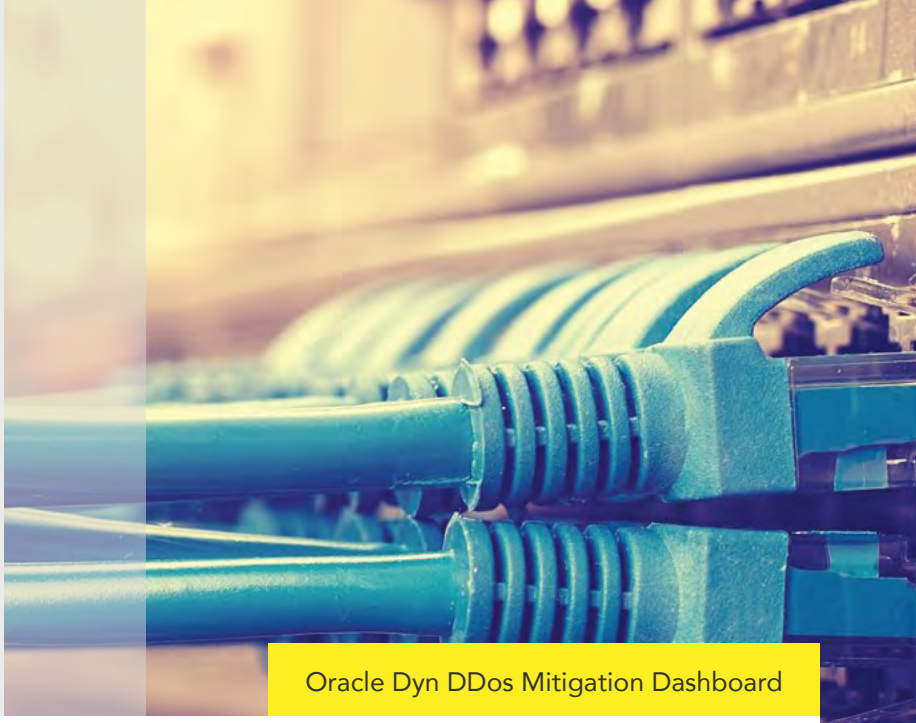
Global, Verified Threat Intelligence

Oracle Dyn incorporates multiple threat intelligence feeds as part of its DDoS mitigation platform and strategy. Our Security Operations Center (SOC) researchers understand complex, big-data sets by industry, customer, and application use cases. Upon analysis, the team proactively makes recommendations, reconfigures protections, and gathers additional data based on current activity online, and in the dark web. Customers also have the ability to incorporate their own threat intelligence data to work in conjunction with the threat intelligence feeds Oracle Dyn provides.

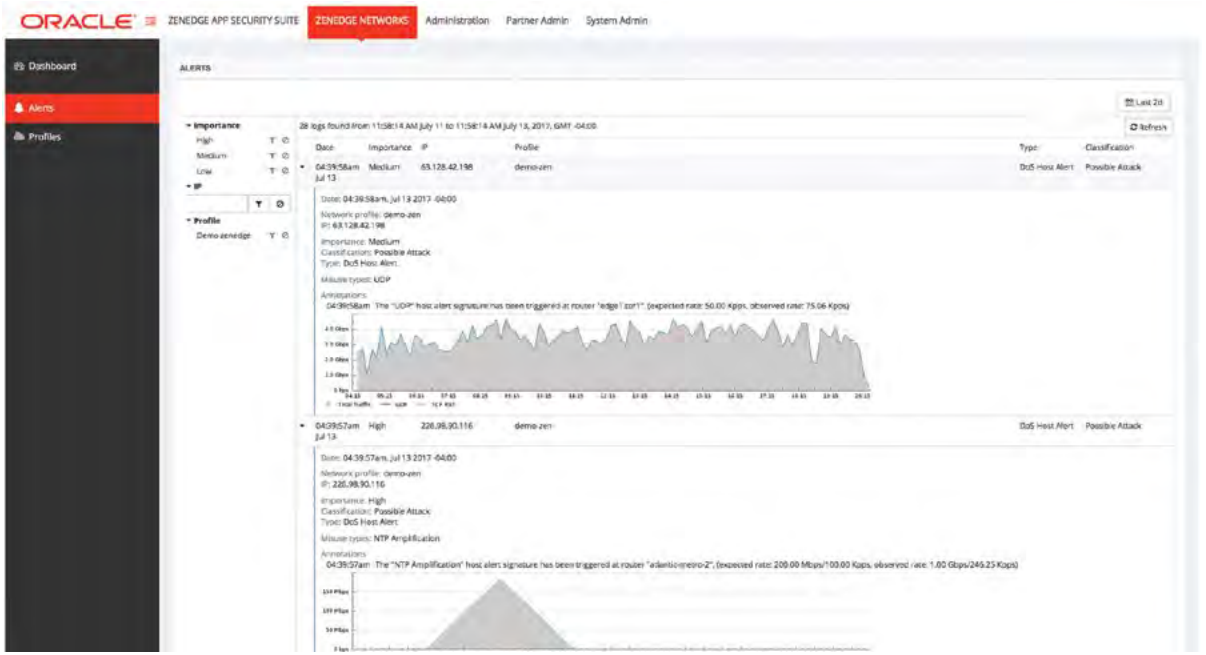
Oracle Dyn DDoS is part of our cloud-based, managed cybersecurity suite and is seamlessly integrated with our Web Application Firewall, Bot Manager, API Security, and Malware Protection offerings.

Key Benefits

- Always-on monitoring and proprietary threat signaling with 60 second, fully automated mitigation
- Unlimited usage and protection across multiple DDoS mitigation centers with 1.7+ Tbps total capacity
- Superior mitigation technology with a global footprint, defeats attacks closest to the source
- Monitored and managed 24x7 by top cybersecurity and DDoS experts
- Ideal for ISPs, hosting providers, data centers, and medium to large enterprises
- Suited for eCommerce, Gaming, Energy, Government, Technology, Hospitality, and Financial Services



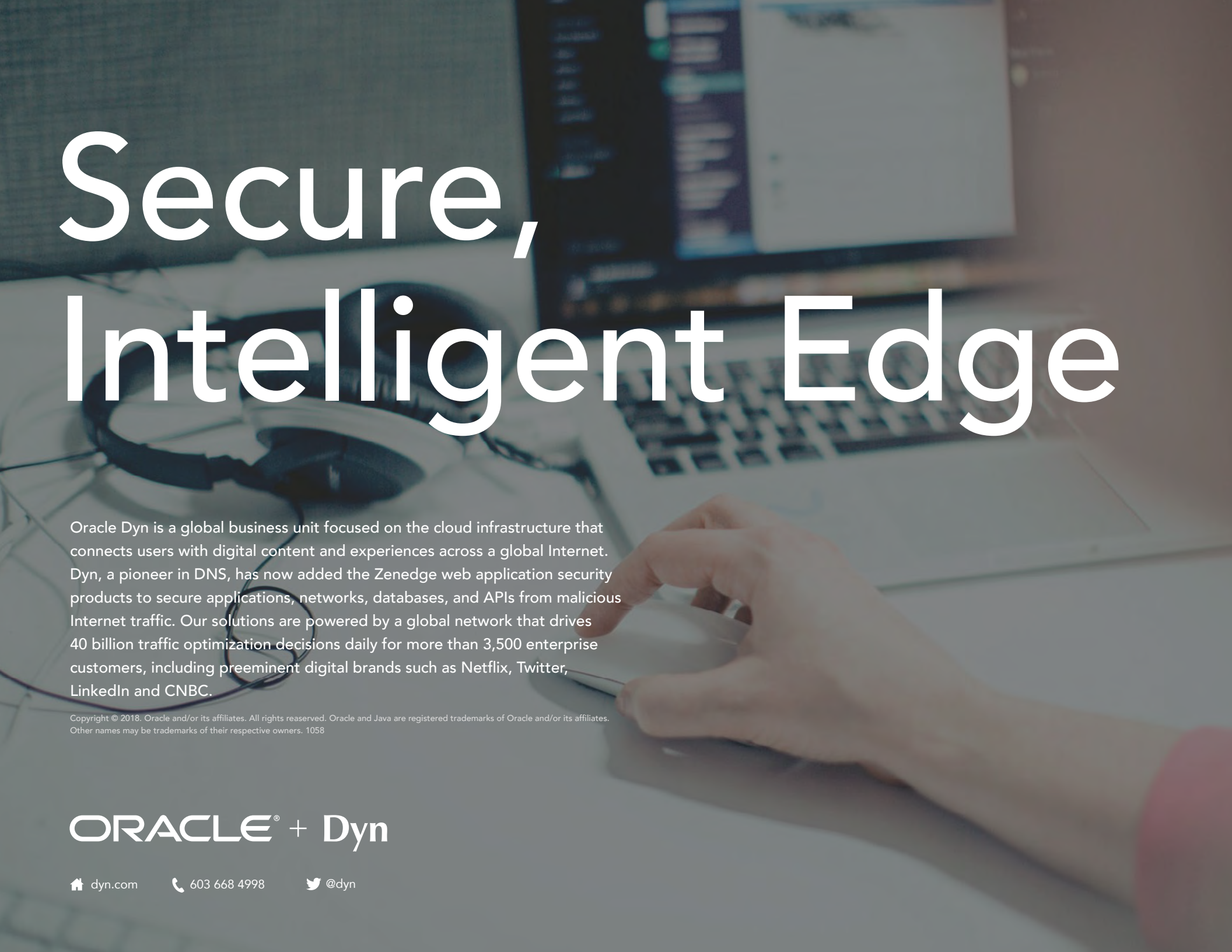
Oracle Dyn DDos Mitigation Dashboard



Do you still have questions about DDoS protection?

Learn more at dyn.com/ddos

Los Angeles/
Seattle/ Palo Alto
Singapore/ Hong Kong



Secure, Intelligent Edge

Oracle Dyn is a global business unit focused on the cloud infrastructure that connects users with digital content and experiences across a global Internet. Dyn, a pioneer in DNS, has now added the Zenedge web application security products to secure applications, networks, databases, and APIs from malicious Internet traffic. Our solutions are powered by a global network that drives 40 billion traffic optimization decisions daily for more than 3,500 enterprise customers, including preeminent digital brands such as Netflix, Twitter, LinkedIn and CNBC.

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