DDoS Protection for higher education

DDoS

Help protect your college or university network from costly volumetric attacks with DDoS Protection powered by Radware.

Distributed denial of service (DDoS) attacks are designed to flood connectivity to a network, application or service so that the intended users cannot access their resources. They are initiated with the goal of halting college and university network operations, accessing private student and faculty data or uncovering intellectual property. DDoS Protection is a subscription-based service designed to detect and mitigate these types of network and help keep your network up and running.

Powered by Radware, DDoS Protection applies cloud-based intelligence to quickly evaluate your expected network activity and identify threats attacking your Dedicated Fiber Internet or Secure Dedicated Fiber Internet service. Attack mitigation and traffic rerouting begin automatically to help keep your resources available.
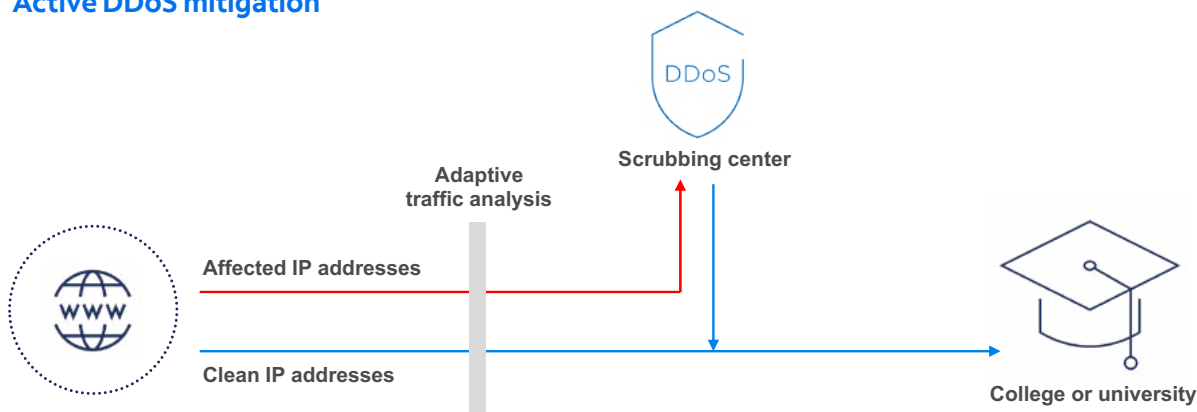
Product highlights

- **Fast resolution:** Quickly and automatically detect, redirect and mitigate malicious traffic, helping to minimize the impact of attacks.

- **Adaptive evaluation:** Comprehensive traffic evaluation that uses advanced analytics to identify anomalies indicating an attack, specific to traffic flow at each campus location.

- **Scalable solution:** The solution can easily and seamlessly expand as your needs grow, with no bandwidth restrictions.

- **Continuous support:** Always-available, single point of contact connects colleges or universities directly to our network and security experts for swift issue resolution.

Key features

- Access to a cloud-based portal for real-time traffic visibility, insights, analytics and in-depth reporting.

- Automatic threat detection and proactive resolution of volumetric attacks across internet connections.

- Precise, campus-specific traffic evaluation and targeted IP-address cleansing using machine learning and AI.

- Targeted scrubbing eliminates the performance impact on non-affected traffic.

- Supported by dedicated local account teams and 100%, 24/7/365 U.S.-based technical support.

When a DDoS attack is detected, traffic is rerouted to a scrubbing center for analysis and cleaning. The traffic is then analyzed and malicious traffic is mitigated so that legitimate traffic returns to its original route and intended destination.

Active DDoS mitigation

DDoS

Scrubbing center

Adaptive traffic analysis

Affected IP addresses

Clean IP addresses

College or university

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Available services

- **Secure Access with Cisco Duo:** Help protect your institution from unauthorized access to sensitive systems, regulatory violations and data loss that can disrupt your business. Capabilities that include multi-factor authentication (MFA) and identity management (IdM) allow IT to set access policies by user and device, regardless of location.

- **Cloud Security with Cisco+ Secure Connect:** Allow remote users to access cloud SaaS applications and the internet securely and directly without reliance on a traditional centralized or premises-based security solution. This feature-rich cloud-based security service includes secure web gateway, cloud access security broker, IdM, zero trust network access (ZTNA) and more.

- **Dedicated Fiber Internet:** Offers dedicated, high-speed, scalable, nationwide internet connectivity, with symmetrical upload and download speeds and bandwidth up to 100 Gbps. The service is backed by a 100% uptime service-level agreement (SLA) all the way to the hand-off point at your location.

- **Secure Dedicated Fiber Internet:** Connect with confidence when you integrate fast, dependable, dedicated fiber internet service with enterprise-level cybersecurity protection in one, affordable and remarkably simple solution. This service is backed by a 100% uptime SLA all the way to the hand-off point at your location.

- **Enterprise Internet:** Gain fast, reliable and cost-effective access to the internet or cloud-based applications with an enterprise-grade experience. Available in a range of speeds up to 1 Gbps, the solution provides peace of mind with an SLA that includes 99.9% uptime and a rapid restoration commitment all the way to the hand off point at your location.

- **Wireless Internet:** Provide temporary or secondary internet access over 4G or 5G LTE Advanced technology with this all-inclusive wireless internet service.

- **Managed Network Edge:** Simplify the deployment and management of your network with this modular, all-in-one solution. Delivered over the Cisco Meraki platform, the solution offers security features, routing, SD-WAN, WiFi, switching, smart cameras and environmental sensors.

- **Enterprise Network Edge:** Improve the network experience for your students, teachers and staff with an enterprise-grade managed solution that brings together connectivity, equipment and network management to support hybrid networks and educational institutions. Powered by Fortinet, the solution simplifies IT operations by providing networking with security features.

Learn more
enterprise.spectrum.com/ddosprotection

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