

Internet Firewall Service

Secure Firewall Management Solution for Education

Threats from the Internet and other sources can bring down an education environment.

Around the clock, Trillion provides a first line of defense, keeping out unauthorized users from the public Internet while maintaining accessibility and reliability on your campus networks.

Trillion also proactively monitors security advisories and makes changes to your firewall security policy to ensure that your perimeter is protected against the latest attacks.

Service, not Hardware

With Trillion, there is no hardware for you to buy. Trillion owns and installs the firewall solution, managing it remotely from our secure Network Operations Center. If security issues occur, Trillion security engineers will investigate the log activity and then implement steps to protect your network from attack. If there is a problem with the solution, Trillion is on it & no system support required from you. This frees your IT resources to focus on other education technology initiatives. You simply pay a standard monthly expense.

Security Policy Management

Trillion applies its best practices approach during the initial firewall implementation to protect your environment. We will work with your staff to ensure that necessary traffic makes it through while still maintaining a safe environment. Our engineers monitor alerts from CERT (United States Computer Emergency Readiness Team) for the latest security threats and proactively apply any patches deemed necessary by CERT.

Levels of Protection

Trillion offers two Internet Firewall service options to meet your school district's requirements & a Premier service and a Secure service. The Secure Internet Firewall offering supports:

- 24x7 availability monitoring and management
- Port filtering and NAT support
- Auto configuration file backup
- Proactive CERT Monitoring and updates

Customers may utilize self-management features integrated into the solution.

The Premier offering uses the Cisco PIX firewall technology and supports everything listed in the Secure offering as well as the following features:

- Security Engineer

A security engineer who understands your environment can help with your firewall security policies. If issues occur on your network, your security engineer will work with you to resolve issues quickly.

■ **Security Change Control Process**

Every night, firewall configuration files are remotely backed up and compared to the previous night's backup. If a change has occurred that was not instigated by Trillion, your security engineer will be notified. The security engineer will assess the change and make a recommendation if he or she thinks the change created an exposure to your environment.

■ **Denial of Service (DOS) Attack Detection**

The Premier solution incorporates multi-vector attack services to further defend your environment from many popular forms of attacks, including DOS attacks. The solution can identify and stop a wide range of attacks and can provide real-time alerts to administrators. Trillion security engineers will follow up on the alerts and put necessary measures in place to maintain your security.

■ **90 Day External Security Scan**

Every 90 days, your security engineer will assess your network using an industry-leading network security vulnerability scanner. The scanner contains over 8100 vulnerability tests with more tests added each week. The report will advise your security engineer on vulnerabilities and how to fix them, ensuring you stay secure.

■ **Policy-Based QoS**

QoS allows Trillion to prioritize latency-sensitive network traffic and limit bandwidth usage of specified applications. This ensures that your bandwidth is available when you need it.

Why use Trillion's Secure Internet Firewall Service?

Secure Internet Firewall services are monitored by the Trillion Network Operations Center (NOC), freeing IT resources to focus on other education technology initiatives. Customers can use the WiZone web portal to request support from the NOC.



As with all Trillion network services, we provide customers with a COMMITMENT CODE to ensure excellence and guarantee total satisfaction.

Secure Internet Firewall Service

Features	Secure	Premier
Platform	Trillion	Cisco PIX
Port filtering	▲	▲
NAT support	▲	▲
Stateful IP4 & IP6 packet inspection	▲	▲
Next day hardware replacement	▲	▲
Multiple DMZ support		▲
OSPF Routing support		▲
Security change control process/review		▲
Policy based QOS		▲
Stateful failover capable		▲
DOS attack detection		▲

Managed Services

24x7 availability monitoring	▲	▲
Incident management	▲	▲
Customer may use self-manage features	▲	▲
Proactive CERT monitoring & update	▲	▲
Configuration backup	▲	▲
Proactive software updates	▲	▲
Next day parts replacement	▲	▲
WiZone web portal	▲	▲
90 day external security scan		▲



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