Supporting schools and students with safety protocols for mobile connectivity.

Enterprise Traffic Protector (ETP), from AT&T Content Delivery Network Service, serves as the safe on-ramp for K-12 and higher education users and devices to connect more securely to the internet.

Assist schools in their efforts to meet CIPA compliance by enforcing acceptable use policies (AUPs) to block access to inappropriate websites/ applications. Enterprise Traffic Protector (ETP), built on a global platform and carrier- grade Domain Name System (DNS), utilizes global security monitors to mitigate targeted threats. ETP is an easy-to- deploy cloud solution requiring no new hardware or software to maintain. All outgoing traffic is protected by a cloud security platform that provides enhanced protection.
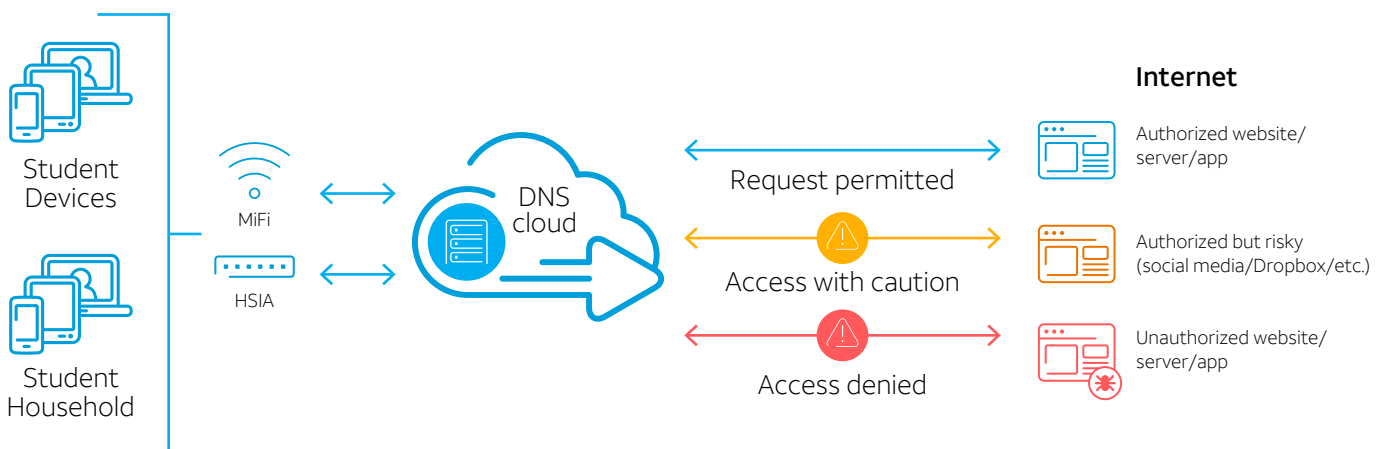
Benefits

- Uniformly enforce compliance and acceptable use policies (AUPs) for students - block access to inappropriate domains and content.

- Provide effective threat protection against phishing and malware attacks.

- Provides protection over wireless and wireline services. Can protect students at home and in the classroom.

- Protect with a cloud solution - no complexity or hardware.

- Easy to configure - takes minutes to deploy, provision, and scale.

- Minimize content filtering management time and complexity - updates can be administered in seconds.

- Increase DNS resiliency and reliability.

- 24 x 7 customer support.

Threat	Acceptable Use Policy	Custom Lists
▶ Adult	☑	
▶ Alcohol & Tobacco	☑	
Cyberbullying	☑	
▶ Dating	☑	
Drugs	☑	
File Sharing	☑	
Finance & investing	☐	
▶ Gambling	◼	
Games	☑	
Healthcare	☑	
▶ Illegal	☑	
IP Telephony	☑	
▶ Large Bandwidth	☑	
▶ Pornography	☑	
Remote Access	☑	
▶ Social	☑	

Capabilities

- Customizable AUPs that limit content that can and cannot be accessed by students.

- Device agnostic on AT&T Mobile Devices (MiFi, phones, WiFi) and can provide protection on internet circuits within the school.

- External threat feeds and cloud security intelligence are analyzed to identify new risks and are immediately added to the ETP service to improve near real-time protection against threats for school districts and their students.

- 100% availability service level agreement.

ETP architecture - all outgoing traffic protected against attacks

Student Devices

MiFi

HSIA

Student Household

DNS cloud

Request permitted

Access with caution

Access denied

Internet

Authorized website/ server/app

Authorized but risky (social media/Dropbox/etc.)

Unauthorized website/ server/app

How it works

ETP serves as your Internet on-ramp with multiple layers of protection delivering optimal security with no performance impacts.
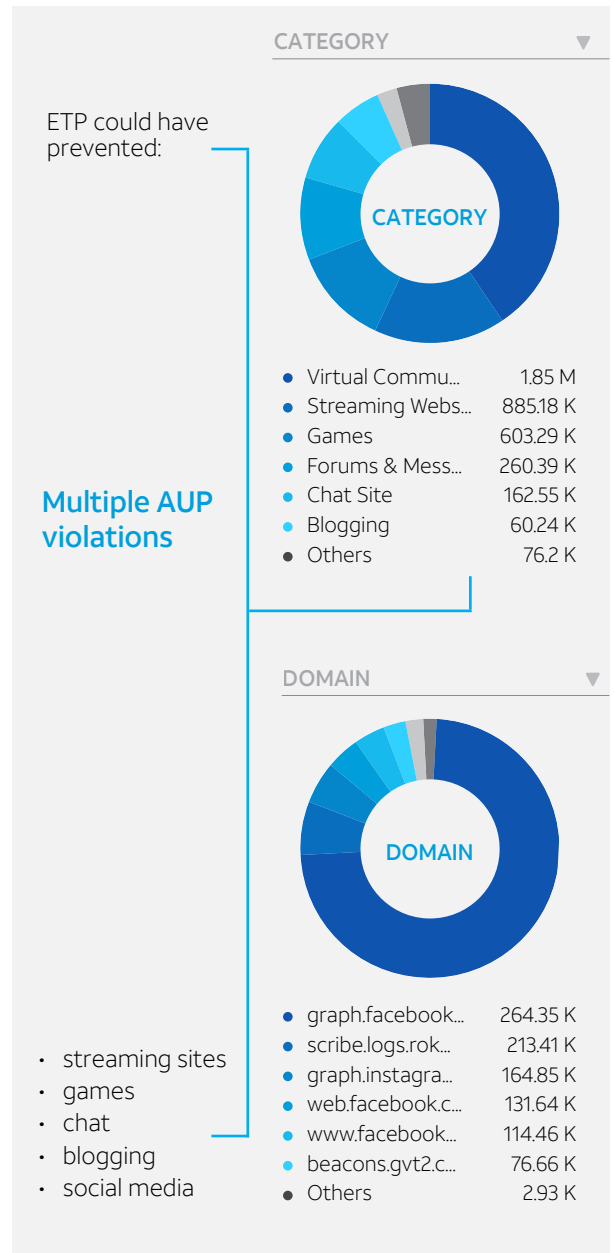
External recursive DNS traffic is directed to ETP.

- Requested domains are checked to proactively block content outside the scope of a school's AUPs and prevent access to malicious domains.
- Validation occurs before the IP connection is made.
  - Threats stopped earlier in the kill chain, away from the student.
  - Ease of implementation - no IPSec tunnels required which drives superior reliability with no additional costs.

Cloud-based Luna portal - easy management and up-to-date reporting (customer access to Luna portal only supported with a private access point name (APN))

Manage ETP from virtually any location at any time.

- Configure, manage content filtering, and implement changes via the web in minutes to validate that devices are updated with the latest threat protection.
- Use the near-real-time dashboard to view DNS traffic, AUP activities, and threat events - drill down on detailed information for security event analysis.
- Access the portal via application programming interfaces and export DNS data logs to a security information and event management tool to easily and effectively integrate ETP with other security solutions and reporting tools.

ETP could have prevented:

Multiple AUP violations

CATEGORY

CATEGORY

● Virtual Commu...	1.85 M
● Streaming Webs...	885.18 K
● Games	603.29 K
● Forums & Mess...	260.39 K
● Chat Site	162.55 K
● Blogging	60.24 K
● Others	76.2 K

DOMAIN

DOMAIN

- streaming sites
- games
- chat
- blogging
- social media

● graph.facebook...	264.35 K
● scribe.logs.rok...	213.41 K
● graph.instagra...	164.85 K
● web.facebook.c...	131.64 K
● www.facebook...	114.46 K
● beacons.gvt2.c...	76.66 K
● Others	2.93 K

Why AT&T

By combining the visibility and control of our network with threat intelligence and response expertise, we are able to help customers quickly detect threats and minimize the effect of attacks. We provide highly secure services that help to protect what is most important.

To learn more about AT&T Content Delivery Network Enterprise Traffic Protector Services, contact your account team or visit att.com/cdn and we can contact you with more information.