

# Challenges and Solutions

What Do You Need?	Solution
<b>Technology:</b>	
Fast Access to Educational Resources both On- and Off-Network	Frontera's integrated web cache provides fast access to frequently visited sites when on-network. When off-network, Frontera's built-in BASCOM Smart Access Technology™ delivers fast, lightweight communication for productive online learning.
Save Money by Using an Integrated Firewall and Filter Solution	Although it's not necessary to use Frontera's integrated firewall, it's an option that can save money since it eliminates the need for new hardware and maintenance.
Quickly Setup Firewall Rules	Predefined firewall rules allow quick setup for many popular applications and protocols.
A Firewall that Supports Popular VPN Protocols	Frontera's firewall supports the definition of VPN pass-through rules for popular VPN protocols, such as IPSec, PPTP, and L2TP.
A Firewall with Increased Network Protection	Frontera's firewall provides protection from common vulnerabilities; it performs a deep, stateful packet inspection by tracking communication from end-to-end.
Inexpensively Create a Separate, Secure Network	Extra Connect™ provides an additional Ethernet interface without purchasing an additional Internet connection, router, and firewall. Can be used as a DMZ to serve web pages or provide Internet content. Can also be used for redundancy to provide failover protection.
Provide a Guest Network for 'BYOD' Devices	Quickly and inexpensively create a WiFi hotspot for BYOD devices using the Acceptable Use Policy Splash Screen with terms and conditions that guests must agree to, or use Frontera's Extra Connect to physically separate guest wireless access from the rest of the network.
Provide a Solution that Prevents Students from Accessing Other Wireless Networks using School-Owned Mobile (iOS) Devices	Anywhere Filter™, a mobile filter included with Frontera, prevents school-owned devices from accessing personal hotspots and public WiFi.
<b>Filtering with Educational Features:</b>	
Support Classroom Instruction	Provides the ability to create profiles to meet the needs of various staff and student groups. Also included are educational features to support productive, Internet instruction.
Provide Secure and Safe Access to Appropriate Web Content without Over-Blocking	Flexible filtering allows another layer of customization. Using a "trust" option enables educators to select content such as educational games, even if the game category is blocked.
Create a Secure Testing Environment	Frontera supports extremely secure, focused access for testing.
Meet CIPA Compliance Regulations	Meets E-Rate funding requirements and enforces your Acceptable Use Policy.
Quickly Setup Filtering by Integrating with Active Directory® or Other Directory Services	Frontera integrates with Active Directory, Open Directory, and eDirectory. Login and logout scripts are provided to allow communication with your LDAP server to ensure that students and staff get the correct permissions to access the Internet.

## Frontera™ Web Filtering for Schools

Filter iOS Devices and Use the Safari browser	Global Proxy Support uses standard Safari® browser for iOS devices.
Use YouTube for Instruction (YouTube does not currently support the use of YouTube for Schools on iOS devices.)	Designed for education by focusing students; removes ads, comments and suggested videos. Supports YouTube for Schools.
Enforce SafeSearch for Yahoo, Google™, and Bing® Search Engines (including Images and Cached Sites)	Forces major search engines into their filtered search, even if the user disables the browser setting. Keeps students from accessing anonymous proxy sites via popular search engines.
Prevent Students from Bypassing the Filter	Real-time, dynamic proxy detection prevents students from using anonymous proxy servers to bypass the filter.
Content Filtering Built for the Classroom	Ability to manage filter categories and create profiles based on age groups and subjects. Filter uses a comprehensive, education-specific URL database.

### Deployment and Device Management:

A Filter that Easily Fits into My Existing Infrastructure	Frontera is easy to setup and maintain. It can be deployed into your existing infrastructure on a BASCOM appliance or a virtual appliance as an Internet gateway or Proxy only. And, as a BASCOM appliance it can also be deployed as a Transparent Bridge (with or without the firewall).
Quickly Deploy iOS devices with Mobile Settings	Mobile filter settings for iOS devices are quickly configured using Instant Config™.
Simplify the Management of Mobile iOS Devices	By integrating with Casper Suite by JAMF (an MDM), Anywhere Filter ( <i>included with Frontera</i> ) simplifies mobile device management of iOS devices.
Comprehensive Reporting for Analyzing Internet Use	Frontera provides a detailed list of reports for analyzing firewall traffic and Internet use by workstation, profile, user and access; integrates with LDAP-based directory services.
Speak to a Knowledgeable Technical Support Representative	Speak to a knowledgeable Technical Support Representative who understands the education environment and the technical components of a filtering system deployment. Available 8am-6pm, Monday-Friday ET ( <i>to 7pm by scheduling the call beforehand.</i> )

### Support for:

Windows® 8.1/8/7/Vista/XP	Cross-Platform Filtering
iOS Devices (iPad®, iPhone®, and iPod touch® devices using iOS 6 or later)	Cross-Platform Filtering
OS X® 10.6 or later	Cross-Platform Filtering
Chromebook™ Notebooks and Chromebox™ Devices	Filter using Frontera's Anywhere Filter cloud deployment.

