ZTEdge™
By Ericom Software

ZTEdge for Education

Securing and Managing Digital Access for Students, Teachers, and Administrators

Internet Access and Security Challenges

The increased use of web-based classroom and university curricula along with the proliferation of remote learning, online educational services, and administration applications has introduced significant compliance and security challenges for educational institutions of all sizes and at all levels, from preschools up to universities.

For Schools, Safety Comes First

Providing a safe learning environment is the #1 priority for every school. When it comes to internet use, that means ensuring compliance with Children's Internet Protection Act (CIPA) other child-protection legislation, and institutional acceptable use policies as well as securing school systems from cyberthreats. Today learning and teaching often take place beyond classroom walls, as schools increasingly adopt one-to-one initiatives and provide laptops to each student.

Ensuring CIPA compliances for all school-owned devices, regardless of their location presents a significant challenge. Traditional web gateway appliances cannot be used to filter internet content when students log on from home. In contrast, ZTEdge cloud-based security ensures consistent protection and compliance regardless of where students are, on or off campus.

The Benefits of Web Use, Minus the Risk

Cost-effective ZTEdge provides schools with the comprehensive tools they need to enable secure access to valuable internet-based educational content. Granular policy-based controls allow web content to be filtered and access to be regulated as appropriate for each user.

Robust remote browser isolation and file sanitization capabilities are specifically designed to protect educational institutions from ransomware, phishing, credential theft and other advanced threats that typically infiltrate via the Internet.

ZTEdge is transparent to users and compatible with all standard browsers.

ZTEdge at a Glance

- Internet filtering secures access for students, faculty, and staff
- Blocks access to blocklisted sites and noncompliant content on unblocked sites
- Prevents phishing, ransomware and breaches of sensitive data
- Replace VPNs with simple and secure Zero Trust Network Access (ZTNA)
- Eliminates over-blocking of websites typical of many traditional security solutions
- Applies CDR to prevent attacks via weaponized files
- Assists with CIPA compliance
- Cost-effective solution that's transparent to users

Internet Filtering

ZTEdge allows organizations to set granular policies to enforce acceptable web use guidelines. Locations can be blocked to prevent exposure of harmful content and ensure CIPA compliance.

Secure Access on Any Device, from Any Location

ZTEdge Web Application Isolation (WAI) allows schools to restrict student access to web content when logging on remotely via school networks. It also protects sensitive student data and apps from breach via potentially compromised unmanaged devices used by students, teachers and administrators.

Social Media and Video Controls

Social media sites include useful information as well as content that's inappropriate for students. ZTEdge granular domain controls allow secure access to acceptable material while filtering out inappropriate content.

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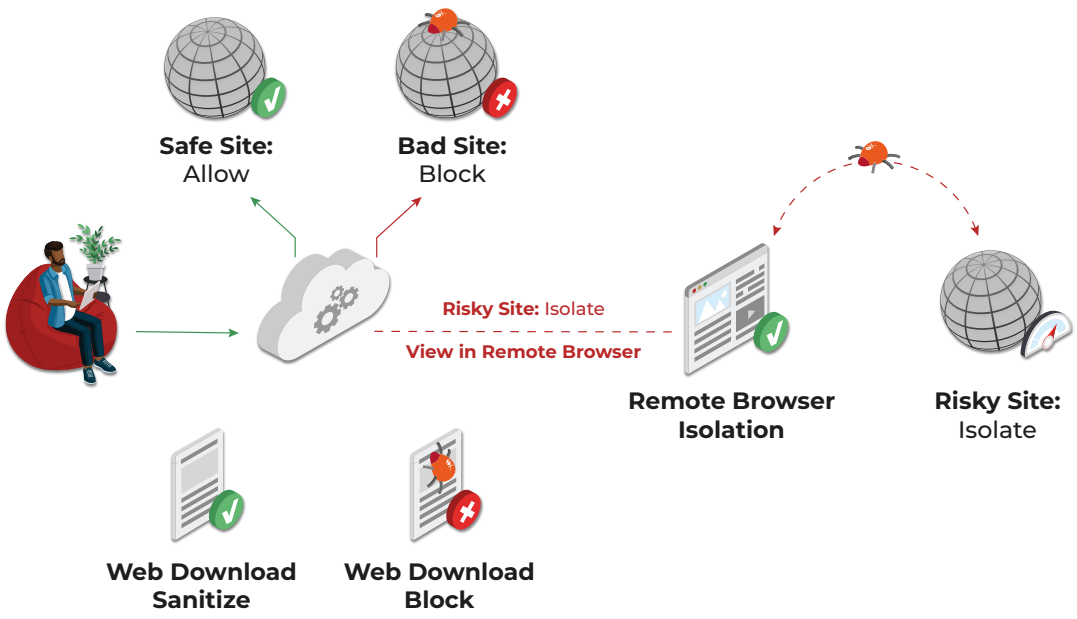
Web Security

Ransomware and other advanced threats are frequently hidden in the active content of web pages (e.g., ads, videos, images, etc.). ZTEdge built-in content isolation renders suspicious websites in cloud containers, ensuring that any malware contained on the site cannot infect a user's device.

Phishing Prevention

ZTEdge opens email links to possible phishing sites in read-only mode so students, teachers and staff can't enter credentials. To protect against weaponized files, attachments to emails and websites are downloaded in isolation and scrubbed using Content Disarm and Reconstruction (CDR) before being delivered to users.

ZTEdge Secure Internet Access



ZTEdge Enables Compliant and Secure Access to the Internet for Schools, Colleges and Universities

- Set granular internet filters to enforce acceptable use guidelines
- Block internet locations to prevent student and staff exposure to harmful content and ensure CIPA compliance
- Feed-based filter protects users from sophisticated social engineering, credential theft, and phishing attacks
- Protect file downloads from the web with Content Disarm and Reconstruction (CDR) technology
- Built-in browser isolation reduces demands on IT operations by minimizing false positives
- Works with all browsers, devices and operating systems

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