

Why Security Architecture Is Critical

Internet criminals have become more sophisticated in their efforts to steal student records and personal information. Schools are challenged by growing security threats, competing priorities, and limited IT staff. Siloed security products and designs are no longer sufficient.

What Is Cisco SAFE Security Architecture for Schools?

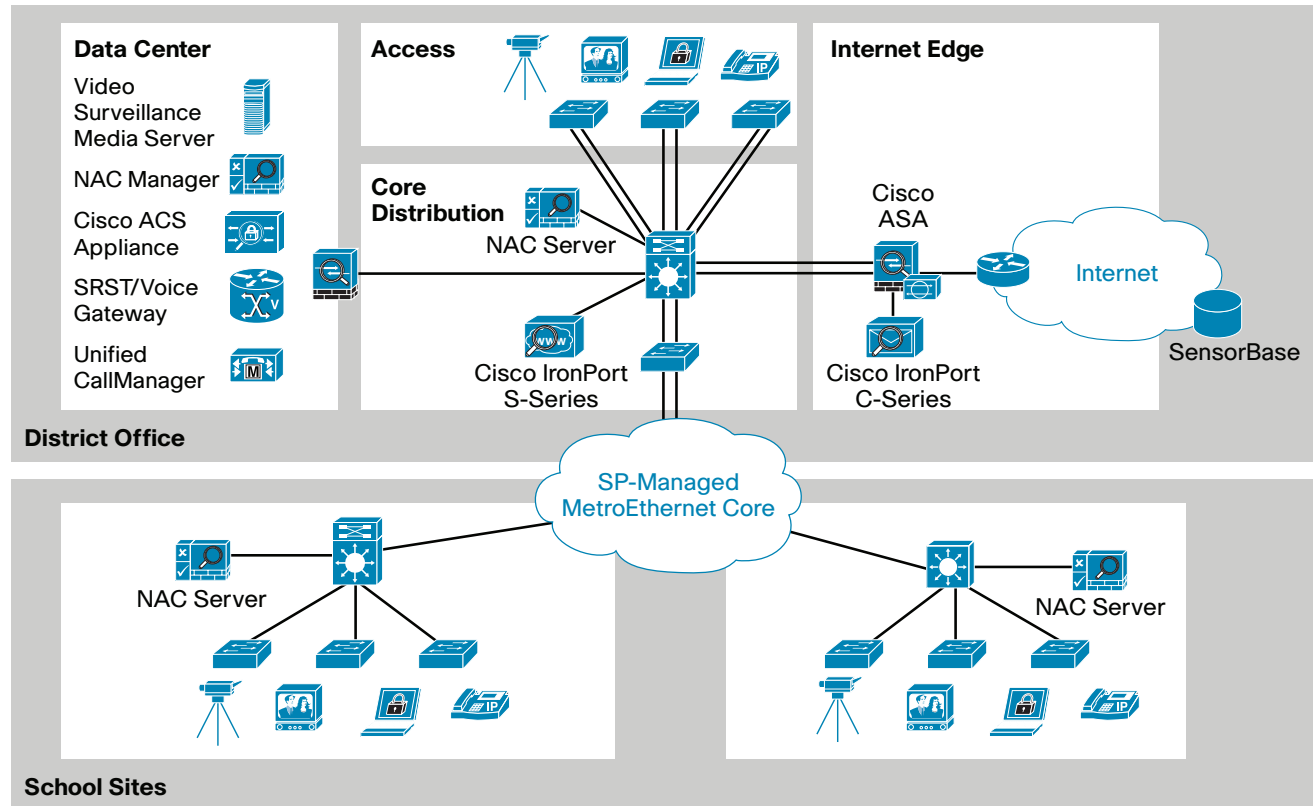
Cisco SAFE Security Architecture for Schools is a Cisco Validated Design that provides a comprehensive security architecture and detailed implementation guidelines for helping secure a school network infrastructure. The design is based on security best practices supported by in-depth design, testing, validation, and documentation. It helps schools by reducing their time and effort in designing and implementing a highly efficient and secure school network.

Components of Cisco SAFE Security Architecture for Schools

Cisco SAFE Security Architecture for Schools provides architectural design and implementation recommendations for primary school networks. The design calls for an Internet-facing core network that is typically managed at a school district level. The core network then extends to the data center and individual school sites. Network and information security protection is integrated throughout the infrastructure.

Network foundation protection: This component concentrates on securing the networking devices (such as routers and switches) to help ensure the availability and integrity of the network infrastructure. Covered areas include device hardening and administrative access control, as well as change management.

Internet perimeter protection: This component emphasizes Internet connectivity and protecting internal resources and users from Internet-based threats such as malware.



Protection includes Internet firewall design and implementation and web and email security

Network access control: This component focuses on controlling access to the school network. It involves authentication and role-based access for students and staff at school sites and district offices.

Endpoint protection: This component provides recommendations for protecting servers and other school-controlled systems from viruses, malware, botnets, and other malicious software.

Cisco SAFE Security Architecture for Schools Benefits

- Architecture-based solution to help schools achieve better security and more efficient operations

Why Cisco?

- A clear understanding of the education community
- Deep expertise and industry-leading solutions
- Customer success

For more information, please visit <http://www.cisco.com/go/designzone>