Cisco Cloud for Education

World of Many Clouds

How can education leaders enhance the learning experience while reducing costs and expanding access? One way is by providing on-demand access to educational content, resources, and services, on any device, whenever and wherever teachers and students happen to be. The new world of cloud-based services combines powerful computing, networking, storage, management tools, and applications to make it easier than ever to bridge the in-school and online learning worlds with secure, on-demand services. With cloud services, educators can take advantage of an interconnected world of many clouds to support individual learning needs, expand access to digital content, simplify operations, and reduce costs.

Challenges in Education

Increasing demands by teachers, parents, and students, combined with ongoing budget constraints, are driving the IT focus and investment at schools in new directions. Students increasingly come to school with their own mobile devices, leading districts to embrace Bring Your Own Device initiatives to enable anytime, anywhere access to digital content, tools, and resources by mobile users. Meanwhile, pressure continues to mount to personalize learning and differentiate instruction based on student needs.

These expectations place intense pressure on IT leaders to respond quickly, even as they cope with fixed or declining budgets and staff. In this challenging environment, cloud-based computing has become an increasingly attractive option for delivering education services securely, reliably, and economically.

Cisco Cloud for Education

Cisco® Cloud for education uniquely combines Cisco Unified Data Center, Cisco Cloud Intelligent Network, and innovative cloud services into an integrated architecture that helps educators deliver highly secure, cloud-based services.

- **Cisco Unified Data Center:** Brings together computing, network, and storage resources into an integrated platform for delivering IT services within and between data centers.

- **Cisco Cloud Intelligent Network:** Enhances Cisco routing and switching solutions with cloud intelligence and integrates with Cisco Unified Data Center to create a platform for delivering cloud services to teachers, administrators, and students, and for connecting with other clouds and automating management.

- **Cisco Cloud Security:** Cisco SecureX Architecture™ provides context-aware security and policy enforcement in both traditional computing and cloud-computing environments.

- **Cisco Collaboration Cloud portfolio:** Hosted applications and services based on Cisco Unified Communications, Cisco TelePresence® solutions, and customer contact, meetings, instant messaging, presence, and mobility applications provide a rich, interactive, and compelling user experience.

- **Cisco Services:** Cisco Services supports Cisco Cloud with a portfolio of Cisco Cloud Enablement Services to help schools quickly realize the full value of cloud computing. Flexible commercial terms enable educators to reduce the risk of moving to cloud-based service delivery.

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Benefits of Cisco Cloud for Education

- **Accelerate delivery of differentiated services:** Cisco Cloud enables educators to quickly deploy learning applications that enhance learning and enable teachers to individualize learning based on performance data and each student's unique learning style. Cloud-based administrative applications can standardize processes, provide access to centralized information stores, and increase reporting consistency.

- **Increase agility:** IT can automate management and provisioning of cloud-based services to simplify operations, save time, and help reduce costs. High scalability eliminates the time needed for purchasing and deploying additional infrastructure.

- **Reduce costs:** Virtualization and other features of Cisco Unified Data Center and Cisco Cloud Intelligent Network enable service delivery at a lower cost than traditional infrastructures. Cloud computing allows schools to increase efficiency and achieve greater economies of scale.

- **Reduce risk and enhance security:** Cisco cloud security helps district IT staff reduce risk through the Cisco SecureX Architecture, which enables consistent security policies and enforcement, up-to-date threat intelligence, high scalability, and improved performance. Cisco cloud security helps remove barriers to cloud computing so that schools can achieve the educational and business benefits of the cloud-computing platform.

- **Reshape teaching and expand collaboration:** Cisco offers a portfolio of cloud services, such as Cisco WebEx and Cisco TelePresence, that can extend a rich interactive learning environment to anyone, anywhere. These cloud services can also simplify administrative processes and cost-effectively train faculty and staff across geographical boundaries.

Why Cisco?

Cisco has years of experience working closely with schools and we have built a collection of network, security, and management best practices for deploying successful computing environments based on Cisco Cloud. Cisco Cloud Intelligent Network architecture and validated network designs have been successfully deployed and tested in Cisco labs.

Learn More Today

Cisco Cloud can help you keep up with changing student, parent, teacher, and administrative demands while maintaining security, simplifying operations, reducing costs, and increasing educational agility.

For more information, visit: www.cisco.com/go/cloud.