hexnode

Hexnode UEM for Education

Enabling enhanced E-learning with Unified Endpoint Management

Key Takeaways

- Centralized management
- Enterprise integrations
- Zero-touch deployment
- Enforce device restrictions
- Kiosk lockdown
- Enforce strong passwords
- Manage apps and content
- Configure network settings
- Manage OS updates
- Control data expenses
- Track real-time location
- Push remote actions
- Manage visual configurations
- Monitor device compliance
- Schedule and generate reports

The adoption of technology in the education industry has led to the widespread demand and popularity of mobile learning devices, including smartphones, tablets, and PCs, in the classroom. The introduction of such tools has helped students gain flexibility in accomplishing their tasks, and helped teachers boost the learning process for their students.

However, with the device ecosystem turning out to be vast and heterogenous, the need of the hour is an endpoint management solution that can effectively secure and manage all the learning devices at the institution's disposal. Enter, the industry-leading endpoint management solution, Hexnode UEM.

Why Hexnode UEM for education?

Hexnode's Unified Endpoint Management solution enables educational institutions to secure and manage devices of all platforms *(iOS, macOS, tvOS, Android, Windows)* from one centralized console. Moreover, Hexnode's integrations with popular tools like Apple School Manager *(ASM)*, Android Enterprise Recommended, Google Workspace, Azure AD, and more, enable administrators to deploy learning devices, distribute educational resources, enforce restrictions and security configurations, monitor and troubleshoot devices, lock them down into kiosks, and more.

Overall, the vast suite of features offered by Hexnode ensures that schools and institutions can employ the solution as THE single management platform for all their endpoint needs.

Key features of Hexnode UEM for education

Hexnode supports an entirely cloud-based endpoint management solution that can be accessed from any internet-enabled device, successfully providing easy access to the UEM console.

The functionalities described below enables administrators to securely deploy, manage and configure learning devices within an educational institution.

Seamless deployment and setup of student and teacher devices

Hexnode offers a variety of enrollment techniques based on different requirements, each supporting different use-cases. As a result, both students/teachers and administrators can enroll and deploy learning devices. In addition, Hexnode UEM also offers zero-touch enrollment methods for hands-free, out-of-the-box deployment of learning devices.

The following enrollment methods are supported by Hexnode.

- **Quick enrollment** may be used when administrators have to configure learning devices themselves. This is because authenticating and enrolling thousands of devices individually would be impractical and time-consuming.
- **Authenticated enrollment** may be used when the students or teachers have to configure and enroll their own learning devices. It may also be used if it is mandatory for admins to securely authenticate the devices before enrollment. The following authenticated enrollment methods are supported by Hexnode.

    - Local user enrollment with authentication via email or SMS
    - Google Workspace/Okta user enrollment with authentication via email or SMS
    - Google Workspace/Okta user enrollment with authentication via email or SMS

- Zero-touch enrollment enables admins to perform rapid over the air deployment without requiring end-user intervention. Hexnode supports the following zero-touch enrollment methods.
    - Android Zero-Touch (ZTE) enrollment and Samsung Knox Mobile Enrollment (KME)
    - Automated Device Enrollment via Apple School Manager (ASM)

Distribute the right apps and resources to student and teacher devices

Having a solid app and content management strategy in place is crucial as it provides both students and teachers with instant access to the apps and resources they may require. Hexnode's app and content management functionalities equip administrators with the ability to manage, control, and secure the apps and content on learning devices. This includes the following features and functionalities.

- Silently install, update, and remove apps and resources on student and teacher devices.

- Configure a list of mandatory apps that will be automatically downloaded and installed on the specified learning devices.
- Remotely push managed app configurations and specify app permissions to gain greater control over the applications installed on learning devices.
- Restrict students from downloading or installing specified apps on devices using blacklist and whitelist policies.
- Organize specified apps into different app groups and categories and enable the users to easily find and download the apps they need using custom app catalogs.
- Remotely launch apps on learning devices and specify the duration they shall remain open.
- Retrieve app logs from managed devices and quickly identify any abnormal behaviors.
- Push remote actions and restrictions including clearing app data, verifying apps before install, and more.

Integrate Hexnode with Apple School Manager

Integrating Apple School Manager with a UEM solution like Hexnode offers advanced features and benefits for Apple devices, including simplified enrollments, enhanced device monitoring and easy content management.

- Enroll Apple devices out-of-the-box to the Hexnode portal with the help of Automated Device Enrollment.
- Use Apple's Apps and Books to purchase, manage and distribute apps and resources in bulk, assign and revoke app licenses and deploy Apple-approved custom apps on learning devices.

- Use Managed Apple IDs to equip user accounts with role-based administration, and enable restrictions on communications and app purchases, to ensure a focus on education and learning in classrooms.
- Use Federated authentication to enable your Azure AD users to use the same credentials to sign in to iCloud and access managed resources.
- Set up shared iPads and import accounts from your student directory (Azure AD, SIS, SFTP) to allow multiple students to log in on the same device.
- Automatically configure the Apple Classroom and Schoolwork apps with student and class data retrieved from SIS/SFTP or Azure AD.

Lock down student devices to dedicated kiosks

With Hexnode, you can lock down learning devices into kiosk mode to create a confined environment where IT can restrict students from tampering with any device settings. Hexnode's kiosk management capabilities include the following functionalities.

- Configure a single app kiosk or multi-app kiosk with a customized user interface.
- Enable advanced single and multi-app kiosk configurations including orientation, app placement, icon size, and grid view.
- Lock down student devices to just specific websites approved by the organization.
- Configure advanced settings and browser properties to further fine-tune your website kiosk configurations.

- Convert smartphones, tablets and TVs into transformable digital signages that may serve as notice boards in schools.

Secure student data by enforcing restrictions and security configurations

Enabling restrictions and security configurations on learning devices helps you control how the students access these devices. You may allow or disallow specific functionalities and features on these devices to secure data and ensure that students maintain their focus within the classroom. Using Hexnode, admins can:

- Obtain complete control of all the devices that are associated with your educational institution.
- Configure restrictions that enable you to prevent students from accessing specific features and services such as screen capture, Wi-Fi, Bluetooth, NFC, browser, internet sharing, and more, that are unnecessary in a learning environment.
- Restrict students from tampering with sensitive device functionalities such as USB debugging, performing factory reset, and more.

Enforce network security on devices to secure student data online

When students access the public internet, it is crucial to protect learning devices from any potential breaches or vulnerabilities. With Hexnode, institutions can deploy network configurations including Wi-Fi, VPN, and more, to secure learning devices.

- Remotely configure global HTTP proxy settings and push them over-the-air to student devices.
- Enable learning devices to automatically connect to Wi-Fi networks without prompting for a password.
- Prevent learning devices from connecting to unsecure Wi-Fi networks by specifying minimum Wi-Fi security levels.
- Configuring email, calendar, and contacts on learning devices to synchronize student accounts and data to their specific devices.
- Set up Virtual Private Network (VPN) configurations on learning devices to secure student data online.
- Deploy network certificates including Wi-Fi and VPN for additional security on learning devices.
- Manage per-app data usage on learning devices to limit institutions from paying exorbitant data expense bills.

Manage privileges and securely authenticate students, teachers and admins

Hexnode offers integrations with multiple directory services, and enables admins to create user and device groups, with which you can deploy the specific apps and resources to groups that have the required permissions to view and use them.

- Streamline access management using integrations with directory services (Active Directory, Azure AD, Okta, Google Workspace).
- Deploy certificates to manage user access to corporate tools and services.

- Configure user and device groups on Hexnode to deploy resources based on roles and privileges.
- Set up specific roles and permissions, and enforce MFA and SSO for admins when logging in to Hexnode portal.

Enable real-time location tracking on learning devices

Location tracking in Hexnode UEM enables admins to find devices that have been lost or misplaced by students or teachers, fetch their location information, and store the history of locations traversed by the device.

- Monitor the location of specific learning devices and maintaining a history of their location information.
- Help the admins track lost or stolen devices, lock them down in lost mode, and in worst cases, wipe the data stored on these learning devices.
- Configure geofencing to lock down learning devices when they wander outside school zones.
- Force devices to set their GPS functionality to always-on mode, and restrict users from turning on mock location.

Manage visual configurations

Maintain uniformity in the classroom by specifying visual configurations on learning devices including wallpaper, home screen layouts, and font styles, using Hexnode UEM.

- Remotely deploy wallpaper configurations to multiple learning devices.
- Specify home screen layouts, app icon size, font styles, and more for learning devices.

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www.hexnode.com

Sign up for a free trial

www.hexnode.com/mobile-device-management/

Knowledge base

www.hexnode.com/mobile-device-management/help/

- Personalize boot and shutdown animations on Android devices with custom sounds and animations.

Monitor compliance, troubleshoot issues, and generate reports on learning devices

Hexnode UEM enables admins to define a host of rules and requirements to ensure an optimal level of security and conformity with institutional compliance regulations. Moreover, admins can generate a wide range of reports on the go, enabling them to view and export detailed information.

- Regularly track compliance across the entire range of enrolled devices.
- Alert the admin and mark learning devices when it fails one of the pre-set compliance parameters, such as encryption status, geofence position, installed apps, along with custom ones defined in the policies.
- Automatically round up non-compliant devices using dynamic groups and take quick remedial actions.
- Enable real-time troubleshooting on learning devices by initiating remote view or remote control sessions.
- Generate a wide range of reports to monitor user data, app statistics, security violations, and compliance status of learning devices.
- Schedule reports to be sent to admins via email at periodic time intervals.
- Export the reports as PDF or CSV files for documentation purposes and future reference.