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Hexnode UEM Rugged device management

Enabling seamless remote management of enterprise devices

Key Takeaways

- Remote enrollment of rugged devices right out of the box
- OEMConfig offered by various manufacturers helps you unlock superior management capabilities
- Rugged device kiosks can be set up in various industries to automate hazardous and mundane tasks
- Distribute and manage play store and enterprise apps among all the enrolled rugged devices
- Monitoring device compliance
- Real-time location tracking
- Get access to various reports and statistics about the managed rugged devices

Rugged devices are used in harsh and extreme environments that require them to withstand freezing temperatures, scorching heat, strong vibrations as well as damp and dusty conditions. During their manufacturing process, they undergo various tests to check their durability. MIL-STD-810G is a common standard for testing rugged devices.

Managing a set of devices is hard, especially when they are deployed in an industry setup. Keeping track of all the devices and their location can be a tedious task. Monitoring all the devices in the network and checking their compliance can be helpful in having a cohesive network of devices.

The Hexnode Rugged device management solution helps to set up, deploy and manage rugged devices in bulk. Managing devices in bulk help in creating a unified network. Hexnode makes device management easier, remote view helps you view and control the screen of enrolled devices. Hexnode can help you retrieve location and also set restrictions on the enrolled devices based on their use cases.

Why Rugged device management?

Rugged devices have taken prevalence in recent years when the companies found that a usual phone is not enough in every working scenario. Many physical working environments can be much more demanding than the sofa or office setup.

- Problems resulting from defects or breakdowns that are bothersome on a personal or consumer level might be monetarily costly or can severely affect bigger corporate activities

- Rugged devices are generally enterprise-owned devices and are often used for a specific purpose. Depending on the industry, restrictions can be put in place to improve productivity and security.

It is pivotal for companies to manage their rugged devices with a trusted UEM service. Rugged device management helps you in making your device truly rugged, not just on the outside but from the inside.

Managing Rugged devices with Hexnode

Hexnode helps the IT administrators push user/device specific policies to work devices that help in configuring apps and securing endpoints. Hexnode helps configure Wi-Fi, VPN and other useful features right out of the box.

Hexnode offers support to all major Rugged OEM vendors:
- Zebra Technologies
- Datalogic
- Getac
- Honeywell International
- Panasonic
- Kyocera
- Sonim
- Bullitt
- Urovo
- Bluebird
- Spectralink
- Amrel
- Lenovo
- Dell
- Sonim
- Samsung

Hexnode offers advanced device restrictions, configurations and enhanced Android management capabilities for Samsung, LG and Kyocera devices. Hexnode offers a wide range of device management features, covering all the aspects of device security.

Hexnode's rugged device management features

Enrolling Rugged devices

Android rugged devices can be enrolled manually or in bulk. Various ways to enroll include:

- Email/SMS enrollment
- Self-enrollment
- QR code enrollment
- ROM enrollment
- Android Enterprise enrollment
- G Suite enrollment
- Android Zero-touch Enrollment
- Samsung Knox Mobile Enrollment

OEMConfig

OEMConfig is a device management feature introduced for Android Enterprise devices, where the OEMs and UEMs work together to provide the best management capabilities possible. Rugged device manufacturers have developed custom OEMConfig for their devices to better integrate with different UEMs.
Hexnode can configure Android Enterprise devices with OEMConfig. OEMConfig apps developed by the OEMs are hosted on Google Play.

OEM specific apps are helpful in the following ways:

- They bridge the gap between different OEM-specific features and UEM features.

- Once a new feature comes, organizations immediately get support for the feature via the OEMConfig app using managed app configurations.
- The new feature gets automatically supported on all the devices on which the OEMConfig app has already been added.

Setting up device restrictions

Setting restrictions on your device allows users to access only the necessary set of functions while blocking those that aren't. Hexnode UEM proposes a collection of simple and complex restrictions to assist you in maintaining control over your devices.

- Policies to restrict device functionalities like camera, microphone, device orientation and various other features can be applied by administrators in bulk.
- Admins are given the ability to restrict certain apps and websites through blacklisting and whitelisting policies.
- Apply restrictions on GPS accessibility.
- Users can also be restricted from making or receiving calls.
- Developer mode and Factory reset can be restricted from being accessed.

Managing password policies

A password policy enforces the user to set a password adhering to the password rules set by the admin.

- Setting up password requirements that incorporate length, complexity, special characters, timeout periods, expiration dates and retry limits.
- Any device that does not fulfill the conditions can be barred from the network.

Configuring network settings

- Remotely configuring network settings and pushing it over the air.

- Configure local Wi-Fi settings and allow the users to connect to the network without prompting for the password.
- Admins can remotely configure VPNs for the devices.
- Remotely deploy APN settings to your devices and save the hassle for your users.

Setting up Android kiosks

- Hexnode helps you in configuring the single app and multi-app kiosk mode.
- Enforce restrictions on the websites that can be accessed when in Kiosk mode.
- Convert your device to just web or a single web application.
- Enable a digital signage kiosk, where the device is locked down to a single video, animation or image.
- Add different functionalities to your Kiosk devices like Bluetooth, lock button, and Wi-Fi among others.

Android Kiosk features are increasingly being used in industrial set-ups. Warehouses, factories, and supply chains are brimming with ruggedized devices They are a practical choice for many industries with their ruggedized form and up-to-date software that is tailored for industry-specific needs. They last longer since they are optimized for a specific task. Rugged devices extend to many uses like:

- Many industrial setups deploy rugged devices on their shop floors as barcode scanners, and tracking devices for inventory with resistance to different temperatures and pressures.
- Remote health monitoring devices in hospitals are meant for specific medical use.
- Kiosks that are established in public spaces like airports, cruise ships, malls etc.

- Self-checkout counters are on the rise and managed rugged devices are the best fit.

Manage apps

- Hexnode helps you in installing apps remotely to all the devices in the network.
- It is possible to make apps mandatory, so the enrolled devices have a uniform set of apps required for work.
- Apps can be distributed in app catalogs, which help the user see the useful apps in a single folder.
- Different app groups can be created based on the category an app belongs to.

Managing enterprise apps

- Hexnode gives you the option to distribute in-house apps to all the devices in the network.

Tracking device location

- Admin has access to fetch the location of a device in the network to see if the device is inside a restricted area.
- Hexnode enables you to link your policies to a geolocation through geofencing, this helps you to enforce policies when inside particular geolocation.
- Allows the admin to find lost/stolen devices.

Data usage management

- Monitor how your Wi-Fi and mobile data connection is being used.
- Set up strict usage limits to track daily and monthly data usage and restrict network connectivity once the limit is reached.

File management

- Send files from the Hexnode UEM portal to a folder within the enrolled devices.

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Knowledge base

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

Monitoring device compliance

- Regularly track device compliance of all the enrolled devices.
- Outline the devices that fail to adhere to the policies.
- Hexnode notifies the admin when a device falls out of compliance.