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- Show Name: CEHv12 (312-50)
- Topic Name: Mobile Platform, IoT, and OT Hacking - Hacking Mobile Platforms
- Episode Name: Mobile Device Management

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Mobile Device Management

Objectives:

- The need for MDM
 - Allows admins to easily manage mobile devices regardless of OS
 - Enable authentications
 - Remote lock/wipe
 - Jailbreak/Root detection
 - Policy enforcement
 - Inventory Tracking
 - Real-time monitoring/reporting
 - ManageEngine Mobile Device Manager Plus
 - <https://www.manageengine.com/mobile-device-management/>
 - IBM MaaS360
 - <https://www.ibm.com/products/unified-endpoint-management>
- BYOD
 - Using personal devices
 - Conform to company policy
 - Benefits
 - Productivity
 - Flexibility
 - Reduced costs
 - Happy employees
 - Risks
 - Support of variety of devices
 - Increases the attack surface
 - Co-mingling of personal/private data
 - Insecure device disposal
 - Unsecured networks
 - Mobile devices will be constantly accessing untrusted and possibly Unsecured networks
 - Lost/stolen devices
 - Loose control of user activity
 - Users can bypass security policy
 - Example:
 - User can't access www.cewlsite.com over company network
 - User switches to cellular network
 - BYOD Security Policy
 - Will allow for a secure and controllable BYOD environment
 - Define requirements
 - Who/What/When/Where/Why will this device be used
 - Standardize technology

- Hardware and Software
 - List approved devices
 - List approved apps
 - Formalize policies
 - Publish and disseminate policy info
 - Implement Security
 - Asset and Identity Management
 - Local storage control
 - Removable media control
 - Network Access Control
 - Device password
 - Org vs Personal App control
 - Web security
 - Messaging security
 - Device Health
 - DLP
 - Implement Support
 - Trained support staff
- General Security Guidelines for Mobile
 - Apply updates/patches
 - Disk encryption
 - Use passwords
 - No sideloading/rooting/jailbreaking
 - Secure wipe/delete/disposal
 - Keep app installs to a minimum
 - Use AV/Anti-spyware