RAMA UNIVERSITY

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FACULTY OF EGINEERING & TECHNOLOGY

MOBILE SECURITY

LECTURE -40

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OUTLINE

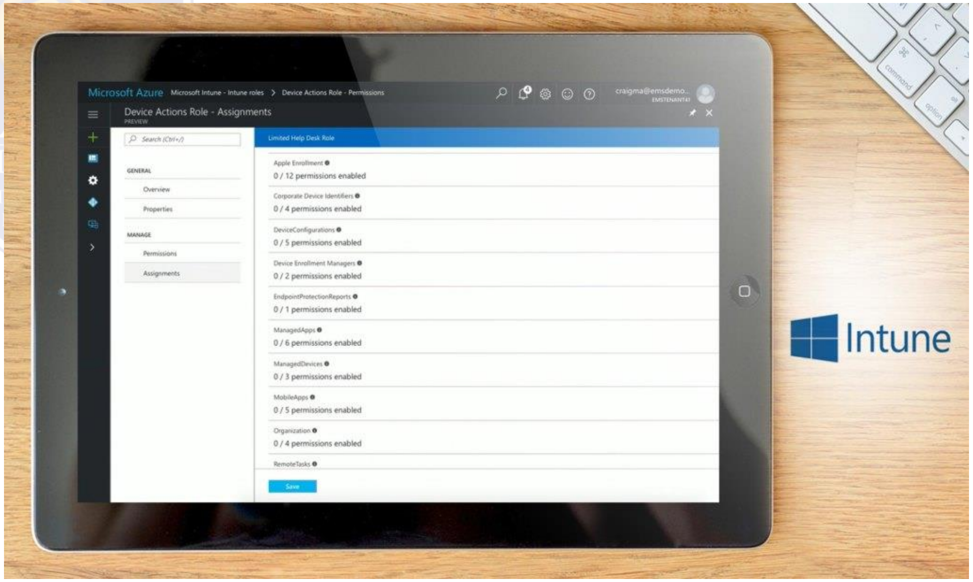
- MDM Platform
    - Intune
    - IBM MaaS360
    - Cisco Meraki
    - AirWatch MCQ
    - SAP
    - Trend Micro Mobile Security
    - XenMobile
    - Manage Engine Mobile Device Manager Plus
- MCQ
- References

MDM PLATEFORM

Intune

Intune is from Microsoft. It combines various Microsoft Azure security and identity management solutions for an updated portal experience although it still contains legacy admin functions. It lets you define a mobile management strategy that fits the needs of your organization and apply flexible mobile device and app management controls, allowing your employees to work with the devices and apps they choose while protecting your company information.

- ❑Mobile device and app management
- ❑Advanced Microsoft Office 365 data protection
- ❑Integrated PC management
- ❑Integrated on-premises management
- ❑Identity and access management
- ❑Information protection
- ❑Identity-driven security



Device Actions Role - Assignments
PREVIEW

Limited Help Desk Role

Apple Enrollment
0 / 12 permissions enabled

Corporate Device Identifiers
0 / 4 permissions enabled

DeviceConfigurations
0 / 5 permissions enabled

Device Enrollment Managers
0 / 2 permissions enabled

EndpointProtectionReports
0 / 1 permissions enabled

ManagedApps
0 / 6 permissions enabled

ManagedDevices
0 / 3 permissions enabled

MobileApps
0 / 5 permissions enabled

Organization
0 / 4 permissions enabled

RemoteTasks

MDM PLATEFORM

IBM MaaS360

IBM MaaS360 with Watson is offered as a mobile device management solution for your business. It gives you visibility and control of iOS, macOS, Android, and Windows devices through an intuitive portal that enables you to get the most out of MDM without the hassle and complexity. It lets you take advantage of seamless over-the-air (OTA) device enrollment so you can begin managing your devices quickly and easily with no hardware to install. Mobile device and app management

❑Powered by Watson engine

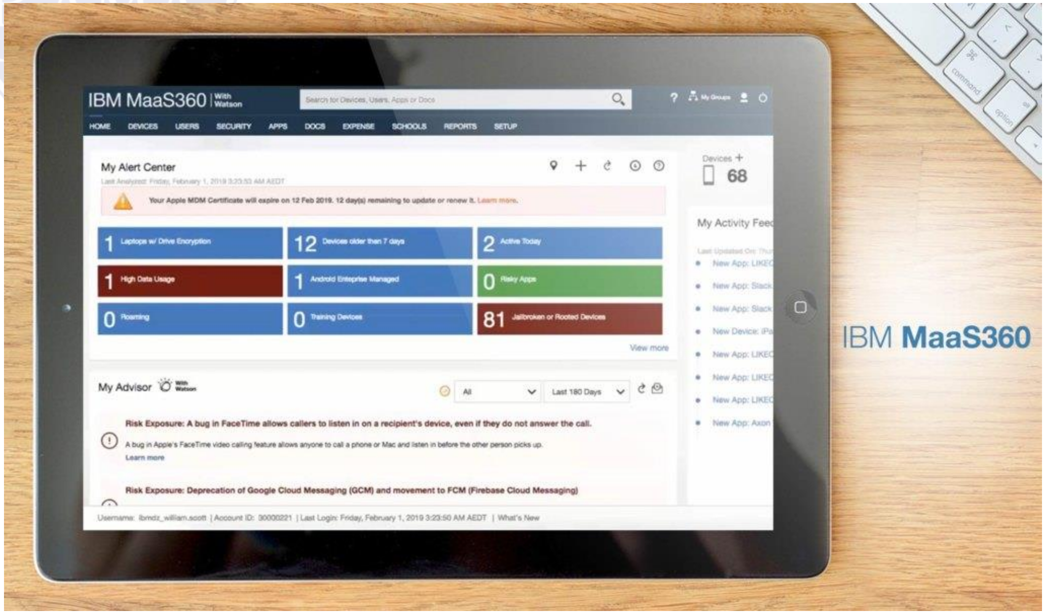
❑Provides secure container to store corporate content

❑Multiple OS and platform security

❑Supports IoT devices

❑Supports ruggedized Android devices and apps

❑Supports Windows 10 to Windows 7 legacy PCs



My Alert Center

Last Analyzed: Friday, February 1, 2019 3:23:53 AM AEDT

Your Apple MDM Certificate will expire on 12 Feb 2019. 12 day(s) remaining to update or renew it. Learn more.

1 Laptops w/ Drive Encryption	12 Devices older than 7 days	2 Active Today
1 High Data Usage	1 Android Enterprise Managed	0 Risky Apps
0 Roaming	0 Training Devices	81 Jailbroken or Rooted Devices

My Advisor With Watson

Risk Exposure: A bug in FaceTime allows callers to listen in on a recipient's device, even if they do not answer the call.

A bug in Apple's FaceTime video calling feature allows anyone to call a phone or Mac and listen in before the other person picks up.

Learn more

Risk Exposure: Deprecation of Google Cloud Messaging (GCM) and movement to FCM (Firebase Cloud Messaging)

Username: ibmdz_william.scott | Account ID: 30000221 | Last Login: Friday, February 1, 2019 3:23:50 AM AEDT | What's New

MDM PLATEFORM

Cisco Meraki

Cisco Meraki provides unified management of mobile devices, Macs, PCs, and the entire network from a centralized dashboard. It gives you the means to enforce device security policies, deploy software and apps, and perform remote, live troubleshooting on thousands of managed devices. Furthermore, the unified multi-device management platform provides OTA centralized management, diagnostics, and monitoring for the mobile devices managed by your organization.

❑Scalable endpoint configuration

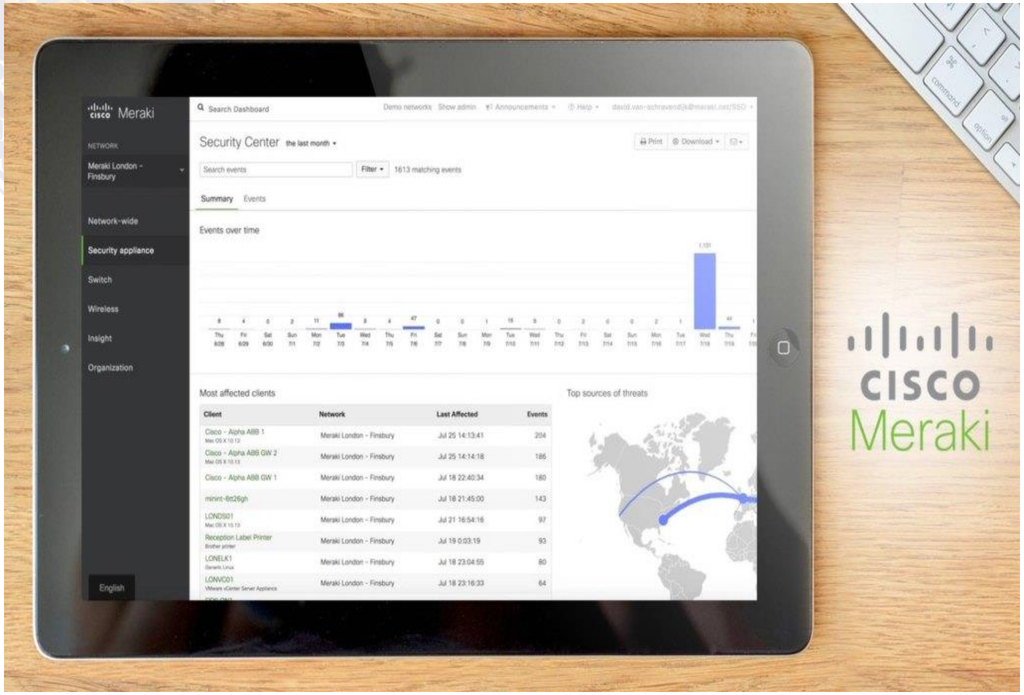
❑On-device content management

❑Secure support for BYOD initiatives

❑Automatic device classification

❑Automatically apply network policies by device type

❑Analyze network activity with automatic reporting



Security Center the last month

Search events

1613 matching events

Events over time

Most affected clients

Client	Network	Last Affected	Events
Cisco - Alpha ABB 1 Mac OS X 10.12	Meraki London - Finsbury	Jul 25 14:13:41	204
Cisco - Alpha ABB GW 2 Mac OS X 10.13	Meraki London - Finsbury	Jul 25 14:14:18	186
Cisco - Alpha ABB GW 1	Meraki London - Finsbury	Jul 18 22:40:34	180
minint-6tt26gh	Meraki London - Finsbury	Jul 18 21:45:00	143
LONDS01 Mac OS X 10.13	Meraki London - Finsbury	Jul 21 16:54:16	97
Reception Label Printer Brother printer	Meraki London - Finsbury	Jul 19 0:03:19	93
LONELK1 Generic Linux	Meraki London - Finsbury	Jul 18 23:04:55	80
LONVC01 VMware vCenter Server Appliance	Meraki London - Finsbury	Jul 18 23:16:33	64

MDM PLATEFORM

AirWatch

AirWatch MDM is a product of VMware, a leading technology solutions provider. It is a device lifecycle management software that enables IT people to configure, manage, and support mobile devices in-house and remotely. With the MDM solution, waiting time for configuration is reduced, as it provides easy onboarding and quick configuration of settings. Coupled with its easy-to-use architecture, it enables organizations to provision programs in bulk.

❑Quick configuration

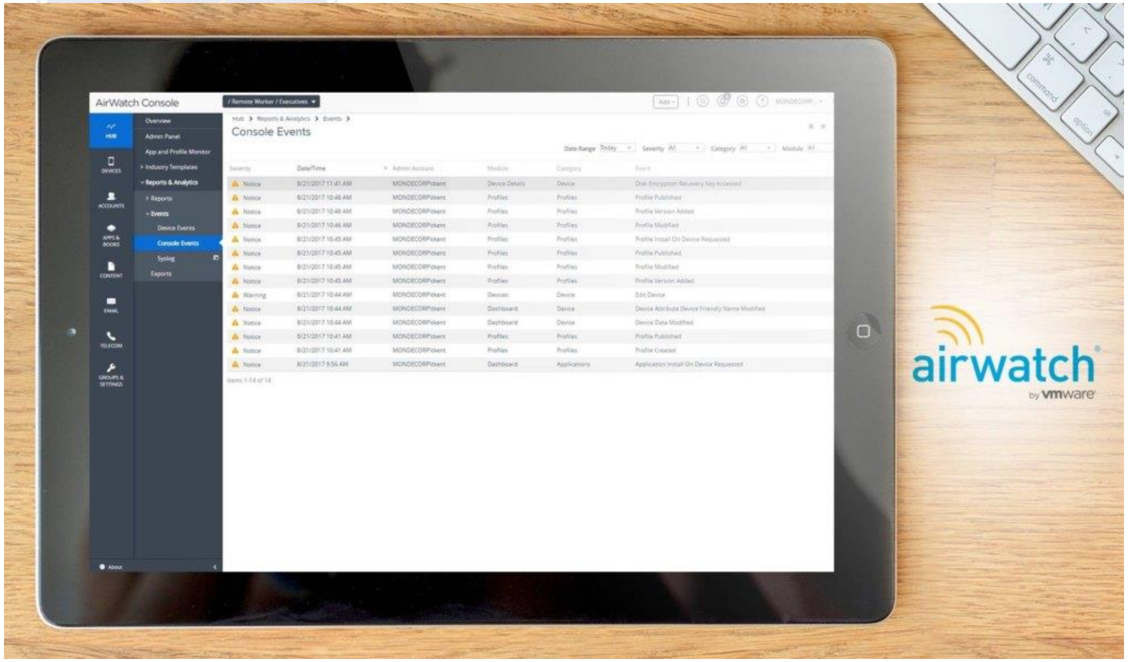
❑Open architecture and scalable system

❑Flexible integration

❑Automatic upgrades and same-day support

❑Device-level encryption

❑Real-time MDM deployment



Console Events

Severity	Date/Time	Admin Account	Module	Category	Event
Notice	8/21/2017 11:41 AM	MONDECORPickert	Device Details	Device	Disk Encryption Recovery Key Accessed
Notice	8/21/2017 10:46 AM	MONDECORPickert	Profiles	Profiles	Profile Published
Notice	8/21/2017 10:46 AM	MONDECORPickert	Profiles	Profiles	Profile Version Added
Notice	8/21/2017 10:46 AM	MONDECORPickert	Profiles	Profiles	Profile Modified
Notice	8/21/2017 10:45 AM	MONDECORPickert	Profiles	Profiles	Profile Install On Device Requested
Notice	8/21/2017 10:45 AM	MONDECORPickert	Profiles	Profiles	Profile Published
Notice	8/21/2017 10:45 AM	MONDECORPickert	Profiles	Profiles	Profile Modified
Notice	8/21/2017 10:45 AM	MONDECORPickert	Profiles	Profiles	Profile Version Added
Warning	8/21/2017 10:44 AM	MONDECORPickert	Devices	Device	Edit Device
Notice	8/21/2017 10:44 AM	MONDECORPickert	Dashboard	Device	Device Attribute Device Friendly Name Modified
Notice	8/21/2017 10:44 AM	MONDECORPickert	Dashboard	Device	Device Data Modified
Notice	8/21/2017 10:41 AM	MONDECORPickert	Profiles	Profiles	Profile Published
Notice	8/21/2017 10:41 AM	MONDECORPickert	Profiles	Profiles	Profile Created
Notice	8/21/2017 9:56 AM	MONDECORPickert	Dashboard	Applications	Application Install On Device Requested

Items 1-14 of 14

MDM PLATEFORM

SAP

❑SAP Mobile Secure lets you move beyond MDM with an enterprise mobility management (EMM) solution in the cloud, enabling you to protect and manage your company's mobile devices and apps. The cloud-based EMM platform offers integrated tools for MDM, BYOD security, mobile application management (MAM), and more. You can manage mobile device security from one SaaS platform and even set up your own enterprise app store. With SAP Mobile Secure you get to secure your organization and employees' mobile devices and apps without compromising the user experience.

❑Mobile device and app management

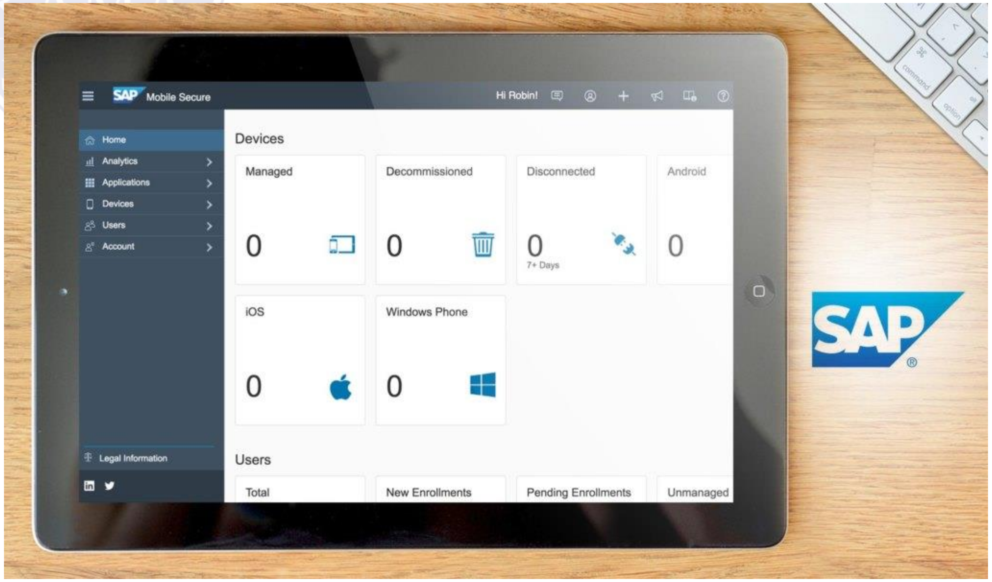
❑Policy compliance

❑Simple self-service

❑Enterprise app store

❑Streamline app deployment and customization

❑Frictionless mobile user experience



Devices

Managed 0

Decommissioned 0

Disconnected 0 7+ Days

Android 0

iOS 0

Windows Phone 0

Users

Total

New Enrollments

Pending Enrollments

Unmanaged

MDM PLATEFORM

Trend Micro Mobile Security

Trend Micro Mobile Security offers a mobile security solution to let you stay safe no matter where you are and what you do. It is built to support Windows, Android and iOS devices, keeping them protected against loss, data theft, viruses, and other online threats. It also guards against phishing scams, identity theft, and fraudulent websites, and enables browsing without being tracked to safeguard your privacy on social media.

❑Protection against web threats

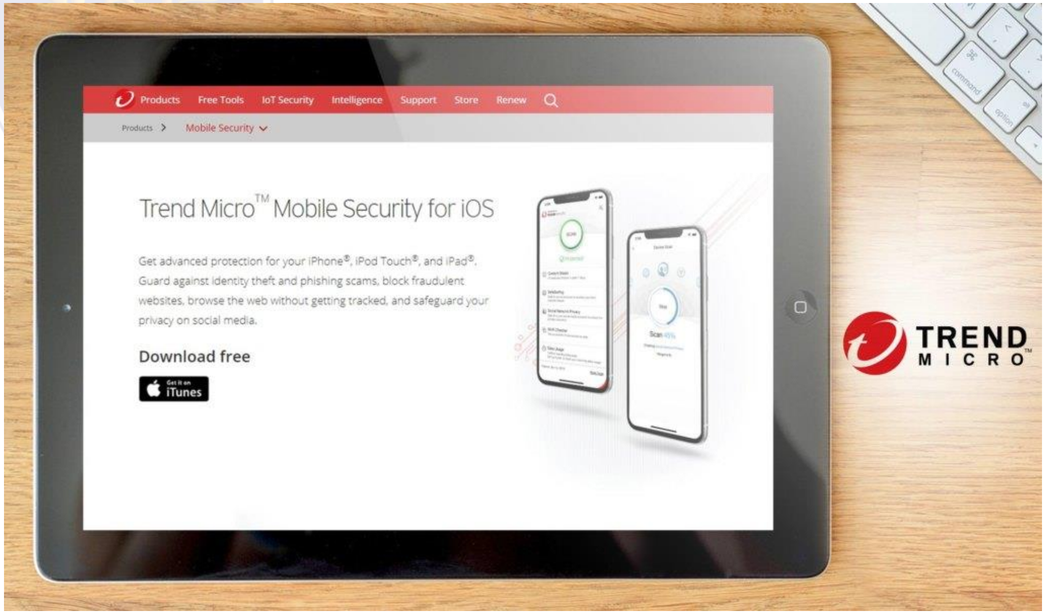
❑Password manager to handle site logins

❑System tune-up

❑Privacy protection on social media

❑Smart protection network

❑Mobile app reputation technology



Trend Micro™ Mobile Security for iOS

Get advanced protection for your iPhone®, iPod Touch®, and iPad®. Guard against identity theft and phishing scams, block fraudulent websites, browse the web without getting tracked, and safeguard your privacy on social media.

Download free

MDM PLATEFORM

XenMobile

❑Unified endpoint management

❑Mobile device, app, and content management

❑Secure network gateway

❑Enterprise-grade mobile productivity apps

❑Office 365 integration

❑Mobile control hub

Manage Engine Mobile Device Manager Plus

❑Device enrollment

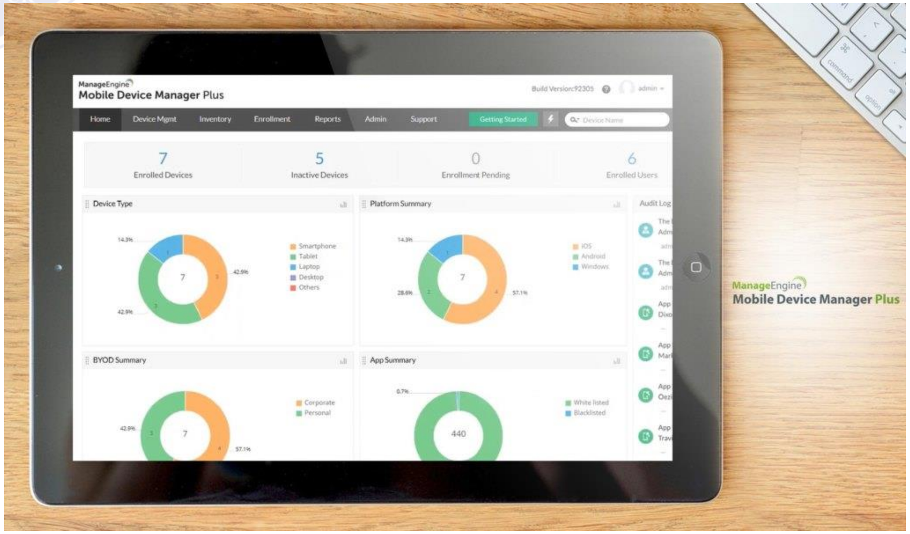
❑App, email, and profile management

❑Remote troubleshooting

❑Security, asset, and content management

❑Remote troubleshooting

❑Audit and reports



MCQ

11. Which of the following is not a sniffing tool?

a) Wireshark

b) Dude Sniffer

c) Maltego

d) Look@LAN

12. A sniffer, on the whole turns your system's NIC to the licentious mode so that it can listen to all your data transmitted on its division.

a) True

b) False

13. A ______________ on the whole turns your system's NIC to the licentious mode so that it can listen to all your data transmitted on its division.

a) Phishing site

b) Sniffer tool

c) Password cracker

d) NIC cracker

14. In _____________ sniffing, the network traffic is not only supervised & locked but also be can be altered in different ways to accomplish the attack.

a) passive

b) signal

c) network

d) active

15. __________________ are those devices which can be plugged into your network at the hardware level & it can monitor traffic.

a) Hardware sniffers & analyzers

b) Hardware protocol analyzers

c) Hardware protocol sniffers

d) Hardware traffic sniffers and observers

REFERENCES

- https://financesonline.com/mobile-device-management/