

IBM Security MaaS360



**With
Watson™**

Frank Gentile

Virtual User Group – To Be or Not BYOD

January, 2020

Agenda

- Virtual User Group Goals
- Topic: To BYOD or Not To BYOD
 - >> Vaishnavi Thotieam
Offering Management - IBM Security MaaS360
 - >> Dhanasekar Varadarajan
Offering Management - IBM Security MaaS360
 - >> Mitt Sharma
Offering Management – IBM Security MaaS360
 - Q&A
- Wrap Up & Resources

Virtual User Group Goals

- Collaboration
- Community
- Customer Advocacy
- Feedback

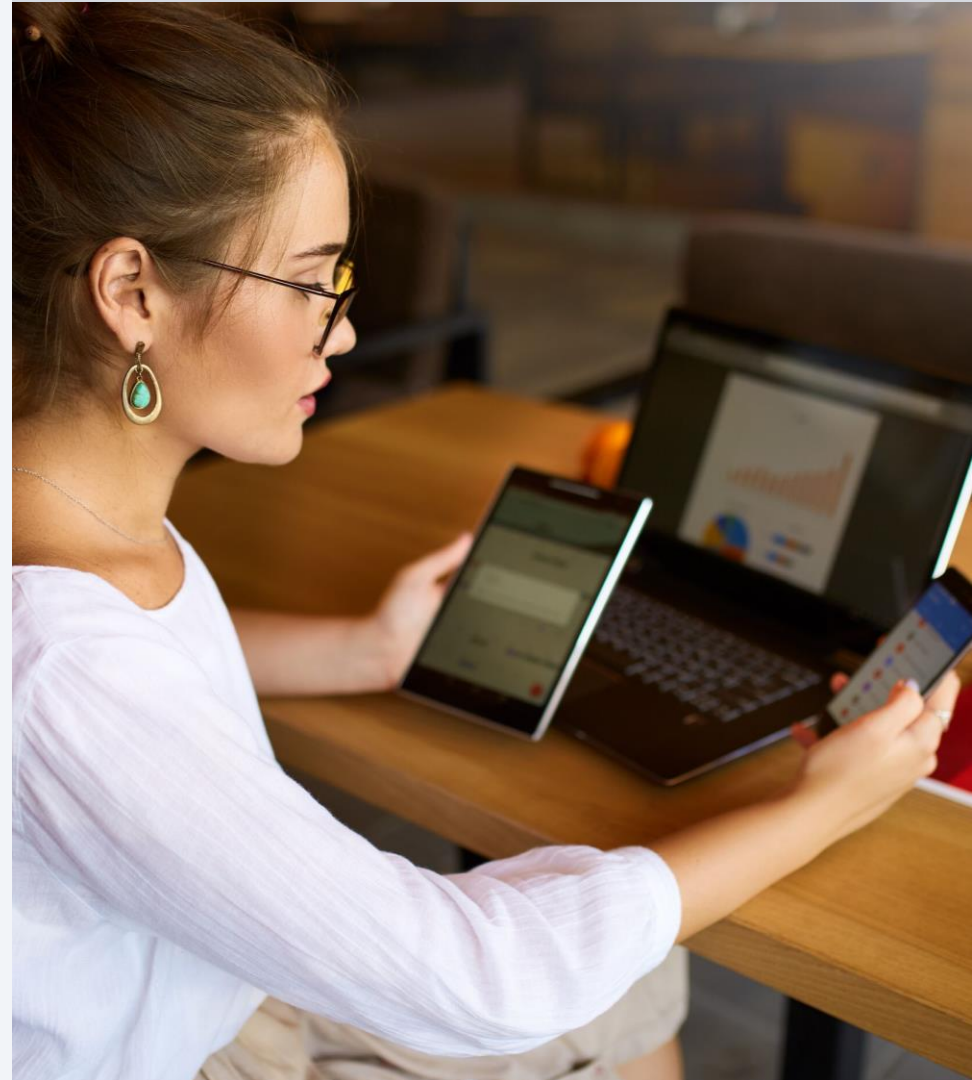
The Case for BYOD

Your employees want to use their own devices for work

- 59% of employees use personal devices at work [Tech Pro Research]

Let them work from anywhere, anytime with a bring-your-own-device (BYOD) policy

- Personal device use [...] saves employees *58 minutes per day*—a 34% increase in productivity! [Frost & Sullivan]



The Case for BYOD

BYOD...

...boosts morale

More choice/new
technology
means employee
flexibility

...reduces cost

No IT spend on
procuring devices



Worried about BYOD in your organization?

87% of companies allow
employees to access
business apps on
personal devices...
[Syntonic]

...but that doesn't mean it
isn't a security risk.

We want to hear your
concerns. **Take the survey!**

Current BYOD program issues



Device control

- Admin can control the entire personal device
- Can perform actions such as a full factory reset

Privacy problems

- Admin can see *all personal* apps installed
- Info such as UDID and carrier are visible to admins

No data separation

- No native partition between personal and corporate data
- Admins can end up wiping personal data along with corporate
- User confusion occurs over Apple/Android T&C, which presents privacy concerns to IT

BYOD with MaaS360

Inbuilt Security

Native containerization & DLP via Android
Enterprise/iOS User Based Enrollment

Applications on Demand

Manage only corporate applications & container

License Management

Limit devices and device licenses per
employee

Uniformity in experience

Deploy MaaS360 PIM, Browser & Content
Suite for unified end user app
experience within the native container

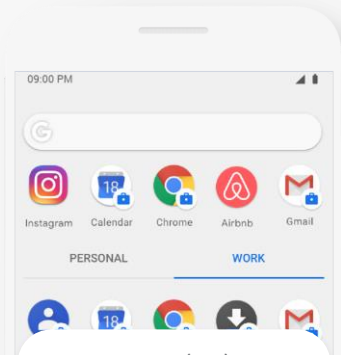


Android Enrollment Modes

Android Enterprise Enrollment Modes

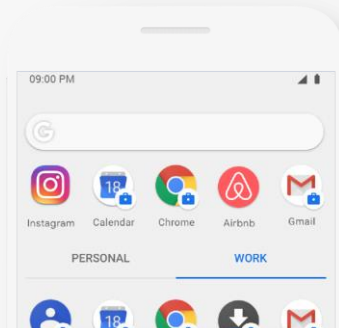
Personally-owned

Work profile



BYOD (PO)

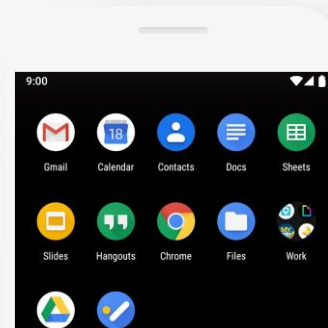
Fully managed device
with work profile



Personally enabled (COPE)*

Company-owned

Fully managed device



Work only (DO)

Fully managed device in
lock task mode



Dedicated Device (COSU)

*Available with MaaS360 in closed BETA

Android Enterprise (Profile Owner)

Native containerization

Dual persona for Personal and Work Profiles

Managed Google Play

Robust app deliver—silent installs & on-demand

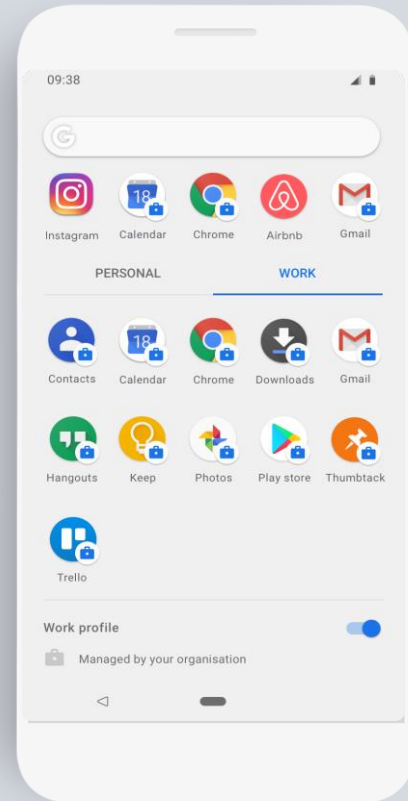
App Management

Private and alpha/beta publishing, no wrapping, managed config

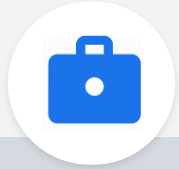
Device Management

Limit only to corporate apps and work container

Recommended to use on Android OS 7.0+

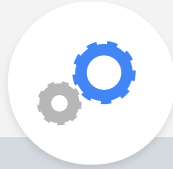


How to deploy Android Enterprise via MaaS360?



Setup AE

Bind your MaaS360 tenant to Android Enterprise using a service account (free)



Setup Device Policy

Configure Android Enterprise policy section within MDM policies



Setup Approved Apps

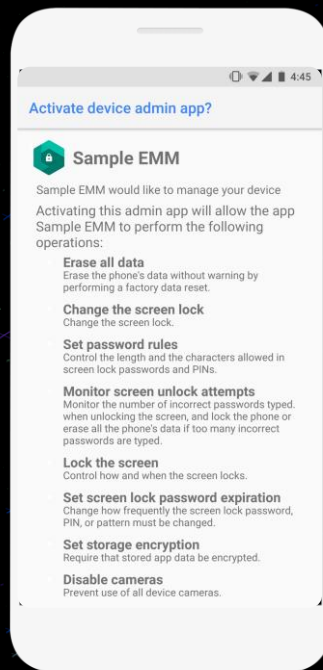
Select, approve, and distribute from a list of apps on the Managed Play Store



Allow Self-Enrollment

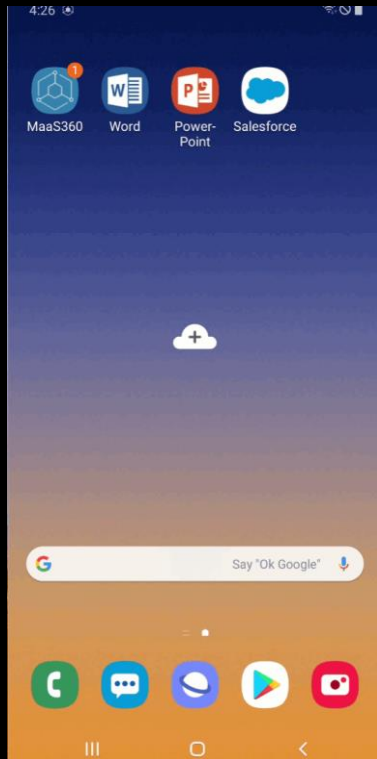
Allow users to self-enroll via employee credentials (enforce a minimum OS version)

Stuck with legacy
Android enrolled
via Device Admin?



Migrate to a work
profile with the
MaaS360 Migration
Tool!

Work Profile migration tool



Admin initiates "Migrate to Work Profile"

User navigates to "Migrate to Android Enterprise"

Device level policies are removed and restrictions apply to work profile

Work profile created

WiFi, email, and VPN moved to work profile

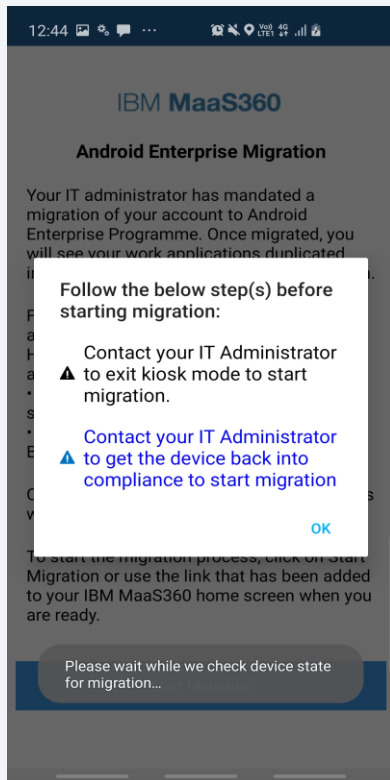
Apps removed and redeployed on work profile

MaaS360 app moved to work profile

MaaS360 Browser, Docs, User-created corporate docs, move to work profile

MaaS360 Email (if used) moves into Work Profile

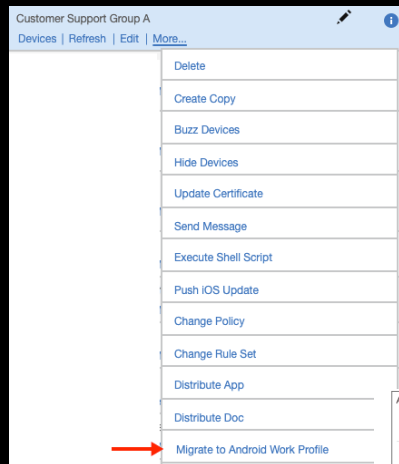
Pre-requisites for migration



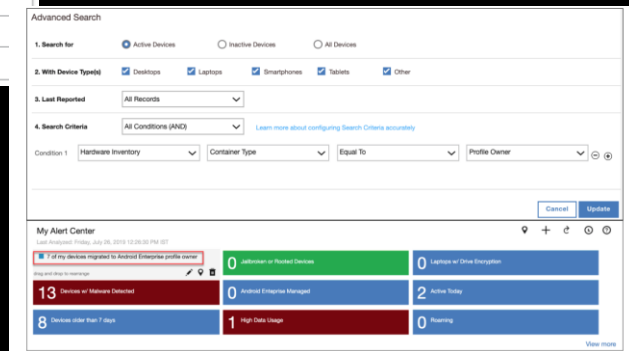
- Device has battery charge of 30% or higher
- Device is connected to the internet
- Device is encrypted if running OS version < 7.0
- Device time & server time are synchronized
- Device Play Store Services are up-to-date
- If shared, should be on the sign-in screen
- Device is in compliance
- Device is not in a selective wipe state
- Device is not in kiosk mode

Schedule & track migration

- Prepare groups of devices with “Container Type = Device Administrator”
- Create an Alert Center Watchlist
- Send “Migrate to Work Profile” action



- Goal is to convert “Container Type = Profile Owner” for all migrated devices
- As devices migrate, progress can be tracked in Global Action History with granular status.
- Results can be exported into .csv or .pdf



| Actions & Events | | | | | | |
|--------------------|----------|-------------------------|----------------------|-------------------------|-----------|-----------|
| Device Name | Platform | Device ID | Action Date | Action | Action By | Status |
| 829367193-SM-G870W | | Android742b5d44e020313f | 07/22/2019 15:22 EDT | Migrate to Work Profile | fosu00p | Completed |
| DM17348-SM-G960U | | Android8a08e34b687ba68 | 07/18/2019 07:48 EDT | Migrate to Work Profile | fosu00p | Completed |
| 455341008-SM-G675W | | Android8c0ed84233da4b27 | 07/16/2019 14:24 EDT | Migrate to Work Profile | fosu00p | Completed |

Displaying 1 - 3 of 3 Records | Records

iOS Enrollment Modes

DEP Enrollment

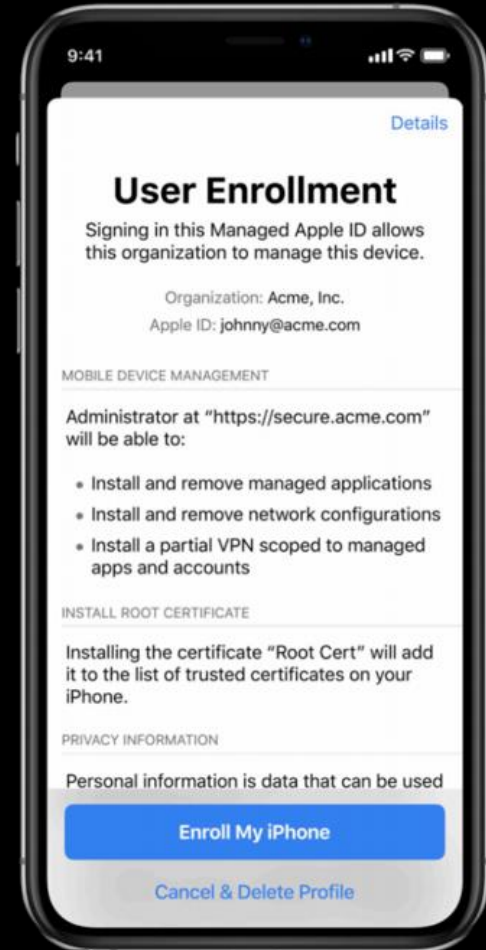
- Used in Corporate owned devices.
- Administrator gets additional device controls
- Device gets enrolled into MaaS360 upon boot-up and factory reset

Management Profile Enrollment

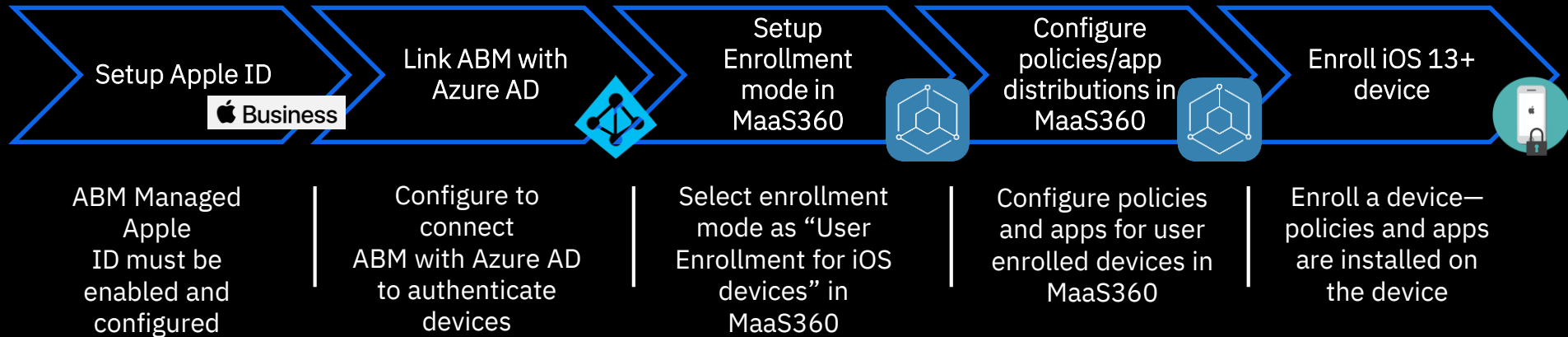
- Currently used in BYOD scenarios
- Administrator gets access to the whole device—not as extensive as DEP
- Device needs to be enrolled by the user manually; user can remove control

User Enrollment for iOS

- Separate disk partitions for personal and corporate apps
- Administrator cannot apps installed in personal partition
- Sensitive device information (UDID, CSN) is not visible to admins
- Secure way to distribute and install corporate apps
- Admins cannot perform actions (factory reset, reset passcode)
- Restrictions/policies apply to corporate file system and apps only
- Azure AD as managed Apple ID is used for enrollment



How User Enrollment works



Who needs iOS User Enrollment?

Organizations who...

- *...want to enable employees' personal devices for corporate use*
- *...need to secure corporate apps and content*
- *...would like to limit the amount of devices employees need*
- *...aim to reduce IT spending on employee devices*
- *...deal with employee privacy concerns*



iOS User Enrolment Launch

GA Target Date

End of Q2 2020

Q & A

Resources

MaaS360 Security User Community:

<https://community.ibm.com/community/user/security/communities/community-home?CommunityKey=9d8b7835-e47a-4850-b400-d8c77708af84>

MaaS360 Resources

- [MaaS360 Product Hub](#)
- [IBM MaaS360 Login](#)
- [MaaS360 Support Home](#)
- [IBM Security Request for Enhancement Community](#)
- [IBM MaaS360 Knowledge Center](#)
- [IBM MaaS360 Security Learning Academy](#)
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