

Maximo Anywhere Mobile Product Update

MUWG Spring 2019 Conference
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Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

Maximo Anywhere
Value



Maximo Anywhere value

On-line or Off-line mobile field connectivity

Single Field Service Maximo solution

Leverages device specific features (Voice To Text)

Reduces data entry errors

Improves work efficiencies

Streamlines business processes

Configurable user interface (ex. queries)

Ensures regulatory compliance (electronic signatures)

Provides critical Industry solution applications

Maximo Anywhere feature set

Connected, Unplanned and Planned Offline support

Ready to deploy application + Extensible Platform

Major Mobile OS: iOS, Android, Windows Tablet

Available On-Premise and SaaS

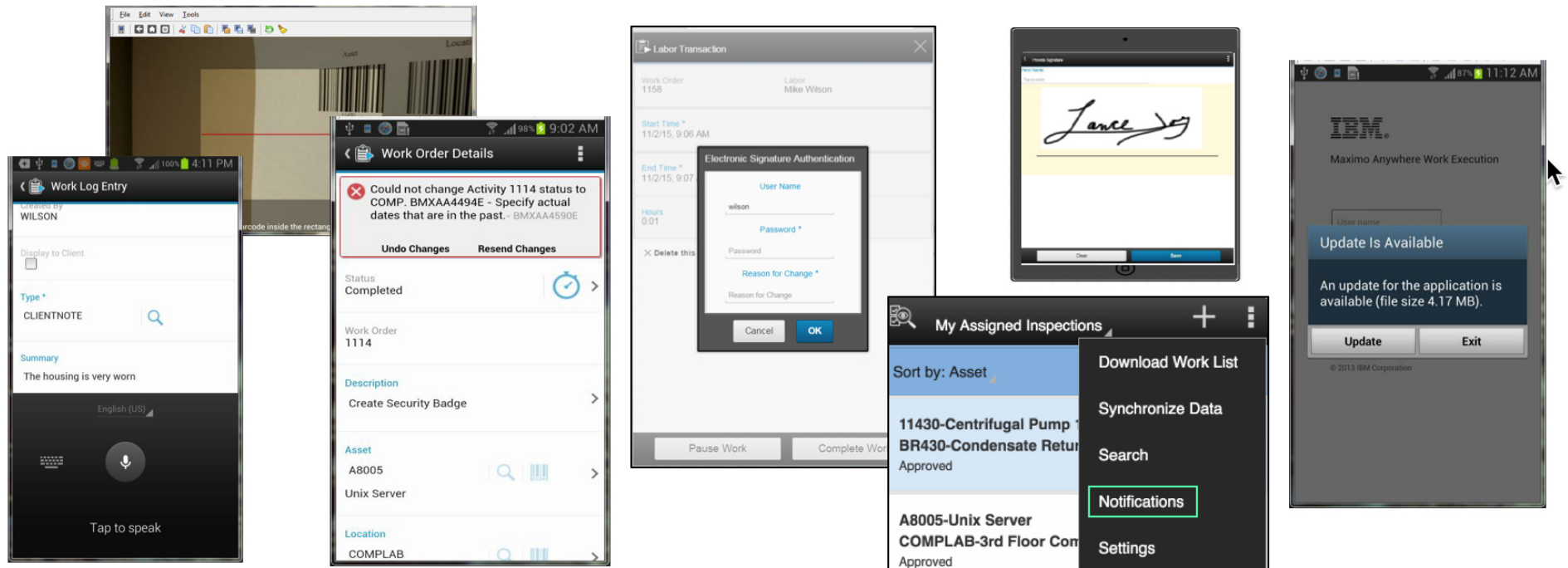
Localizable in 19 languages

Maximo based administration



Enterprise Platform Features

Camera . Voice to Text . Barcode . QR Code . RFID . GPS . Maps . Attachments
Push Notification . E-Signature . Real Signature . Error Handling . App versioning



Delivered Mobile applications

Work
Management

Work
Technician

Inspection

Work Approval

Service
Request

Asset
Management

Asset Data
Manager

Asset Audit

Inventory
Management

Physical Count

Issues &
Returns

Transfers &
Receiving

Industry
Solutions

Calibration: Work
Technician

HSE, Oil and Gas:
Incident Reporter

ACM, Aviation: Work
Tech: Complex Assets

ACM, Aviation: E
Flight Log Book

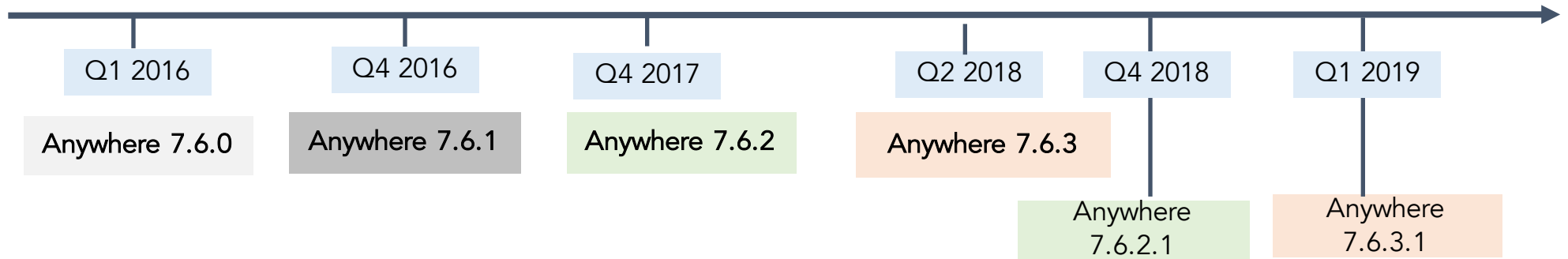
Nuclear: Operator
Rounds

Maximo Anywhere administration application

Maximo Anywhere
Continuous Feature
Updates



Anywhere Releases



End of Market
End of Service
Anywhere 7.6.0
Anywhere 7.6.1
April 2020

Why?

Four active versions in the marketplace

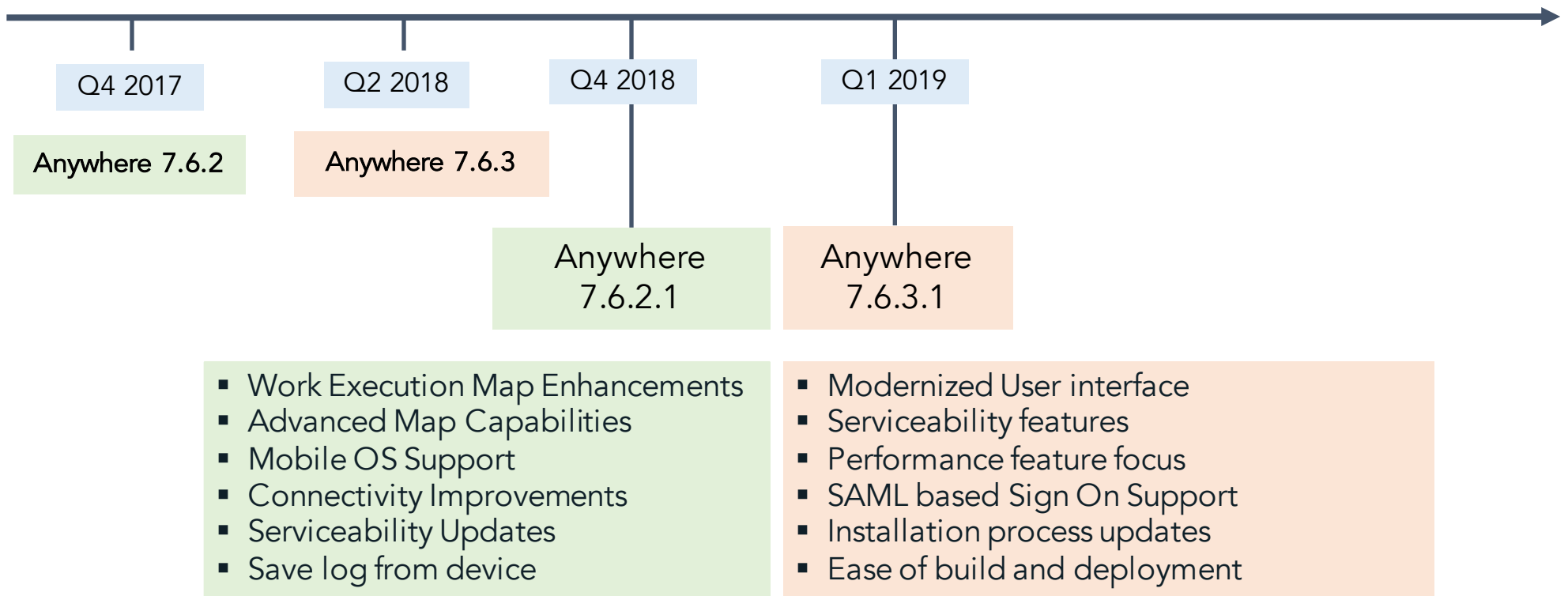
Extremely rapid updates to middleware, software and hardware for mobile devices.

7.6.2 and 7.6.3 have significant new

- Client facing features

- Serviceability features

Anywhere Release Focus: Client Driven



Maximo Anywhere 7.6.3 New Features

Modernized User interface

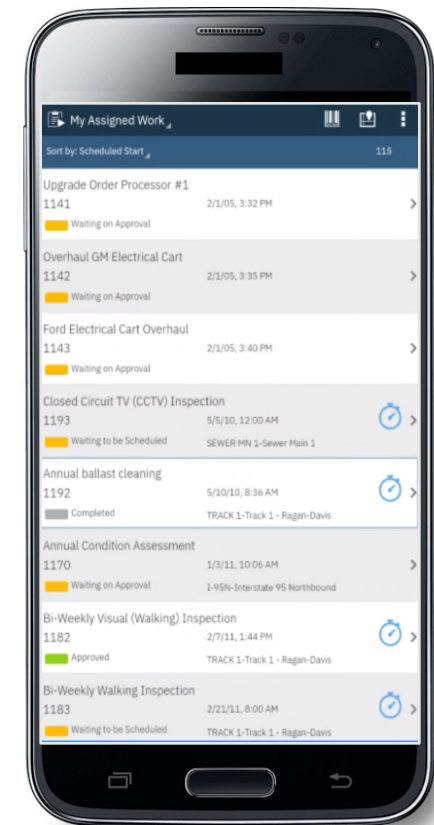
Log-in and Device Serviceability features

Performance feature focus

SAML based Sign On Support

Installation process updates

Ease of build and deployment features

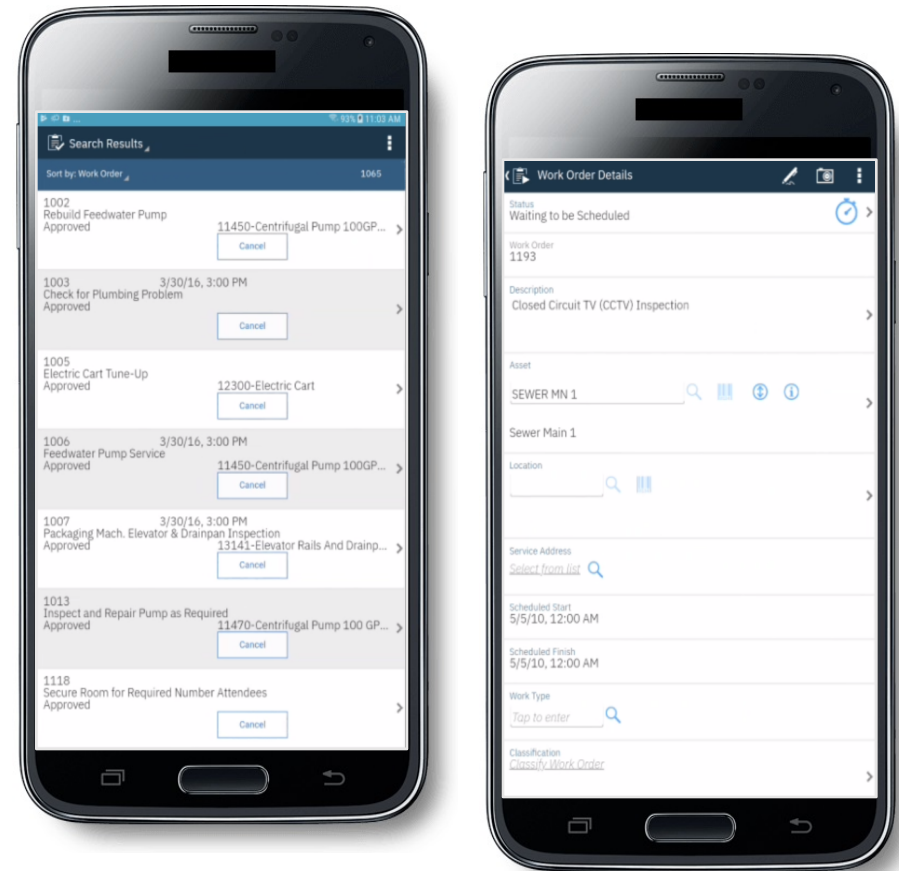


7.6.3: Modernized user interface

New skin featuring modernized interface
fonts
sizes
screen layouts

Reduced user clicks for viewing and actions

Improved usability thru redesigned icons

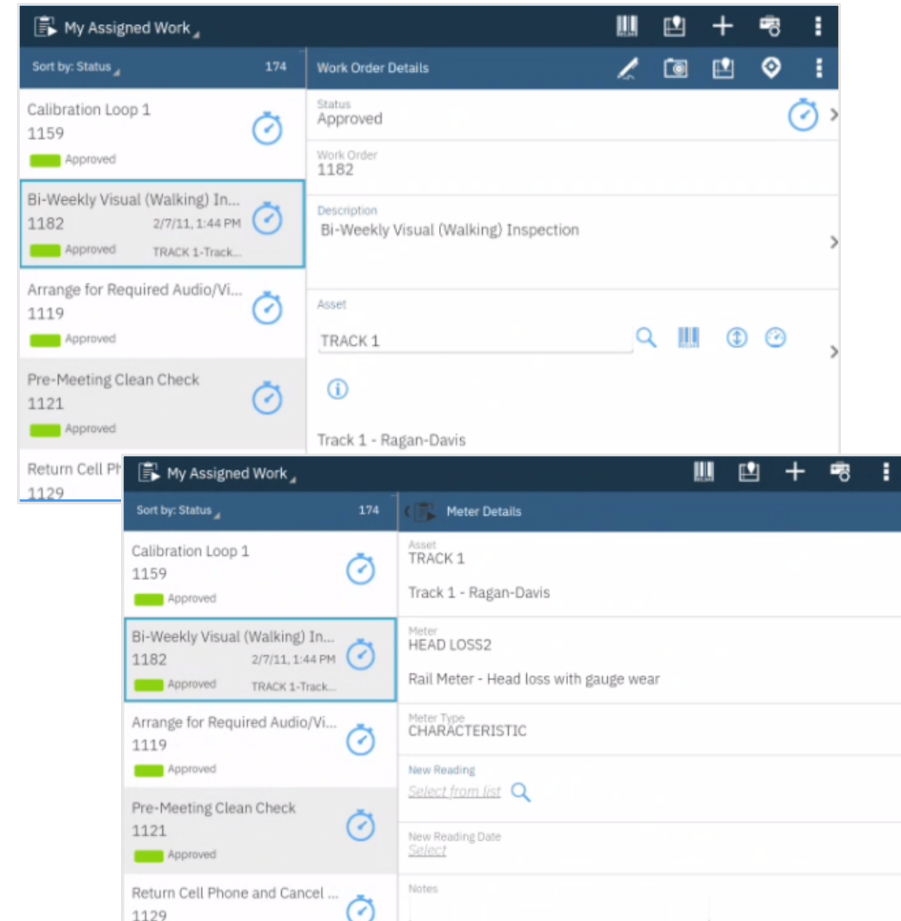


7.6.3: Modernized user interface: Split pane

Improves end user productivity for quick actions

Implemented in Work Execution application

Configurable application feature to enable Split Panel user interface on the device

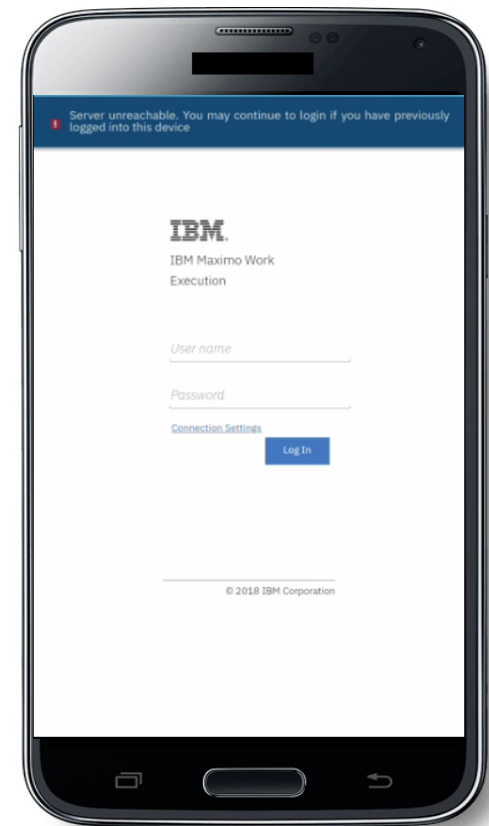


7.6.3: Serviceability updates: Login

Indicator on login page for online and offline login

Streamlined log in screen

Enhanced log in failure checks for end user in case of unsuccessful log-in



7.6.3: Serviceability improvements: Device

Faster resolution of potential problems

Case-based serviceability improvements for faster troubleshooting of issues

Data download

Data Sync

Transactions

Improved device level log files

Date timestamps with Key Indicators

Improved Error reporting

Operating System	android	User name:	wilson
Locale/Language	en-US/en	Connected	Yes
Carrier Name		Network Connection Type	WIFI
Telephony Network Type			

Message

2018-06-14, 10:12:51.706[INFO] [TIMER] _JsonTranslationMixin - translateOSLCDataToSto

2018-06-14, 10:12:51.708[DEBUG] [TRACE] [COMM] Caching returned data in local store

2018-06-14, 10:12:51.712[DEBUG] [TRACE] [StoreLock] lock: adding to lock resource anywl

2018-06-14, 10:12:51.714[DEBUG] [TRACE] [StoreLock] lock: no other locks on resource an

2018-06-14, 10:12:51.717[DEBUG] [TRACE] [StoreLock] calling call back function for lock or

2018-06-14, 10:12:51.747[INFO] [TIMER] PersistenceManager _findRecordsOnStore: (ignori
[[{"exactremotid": "@--http://maxshared7630.rtp.raleigh.ibm.com:7001/maximo/oslc/os/osi
http://maxshared7630.rtp.raleigh.ibm.com:7001/maximo/oslc/os/oslcanywheresrval/_Mz
http://maxshared7630.rtp.raleigh.ibm.com:7001/maximo/oslc/os/oslcanywheresrval/_Mz
http://maxshared7630.rtp.raleigh.ibm.com:7001/maximo/oslc/os/oslcanywheresrval/_ND
<AnywhereResValQB>"}]]: 26ms

2018-06-14, 10:12:51.750[INFO] [TIMER] PersistenceManager - _filterExactMatchesIfNeed

2018-06-14, 10:12:51.751[INFO] [TIMER] _QueryBaseSaveMixin - _handleQueryBaseSave -

2018-06-14, 10:12:51.754[INFO] [TIMER] _QueryBaseSaveMixin - _handleQueryBaseSave -

2018-06-14, 10:12:51.757[INFO] [TIMER] _QueryBaseSaveMixin - _handleQueryBaseSave -
anywhereResVal: 1ms

2018-06-14, 10:12:51.760[DEBUG] [TRACE] Set system properties. [[INF225445 IN3001]: j
{ "propertyName": "si.map.openLayers.maxZoom", "propertyValue": "19" }, "si.map.esri.isGetMe
{ "propertyName": "si.map.esri.isGetMethodEnabled", "propertyValue": "0" }, "si.map.esri.route

7.6.3: Performance improvements



Device Level Performance Improvements

Navigation time between screens

Memory Utilization

Storage Utilization

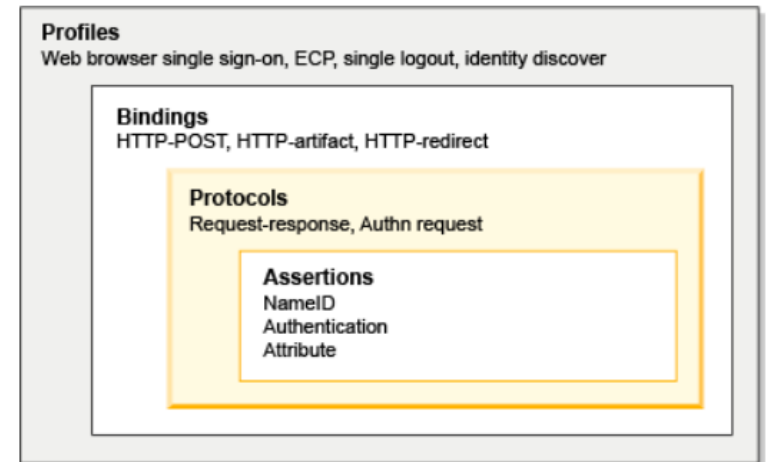
Device Request and Response processing

7.6.3: Single Sign on Support

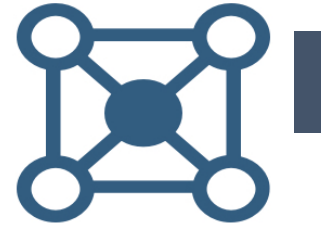
Provides framework in platform to integrate (SSO) single sign on support

Defaults to ADFS
(Active directory Federation Services)

Supports SAML Single sign



7.6.3: Ease of build and deployment updates



Automates Anywhere platform fix pack installation

Ease of Android application build thru Android Gradle based build processes

Validates all required components

Improved error messaging and logging for improved troubleshooting

Backward compatible features

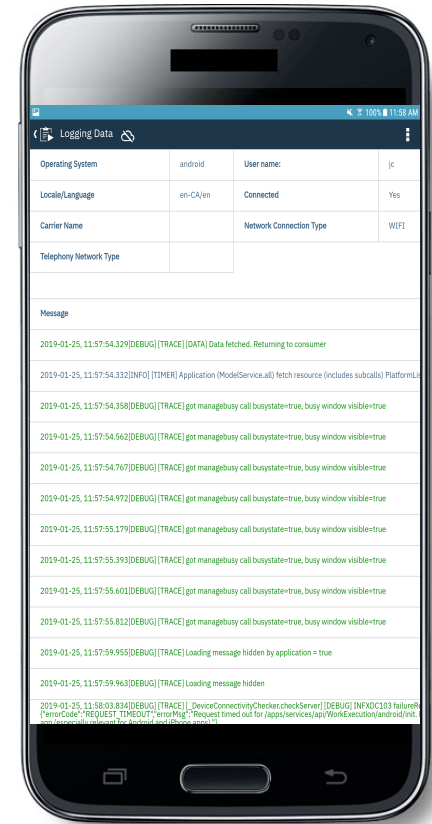
Maximo Anywhere 7.6.3.1 Fix pack: January 2019

Improved performance of Anywhere applications in low band-width areas

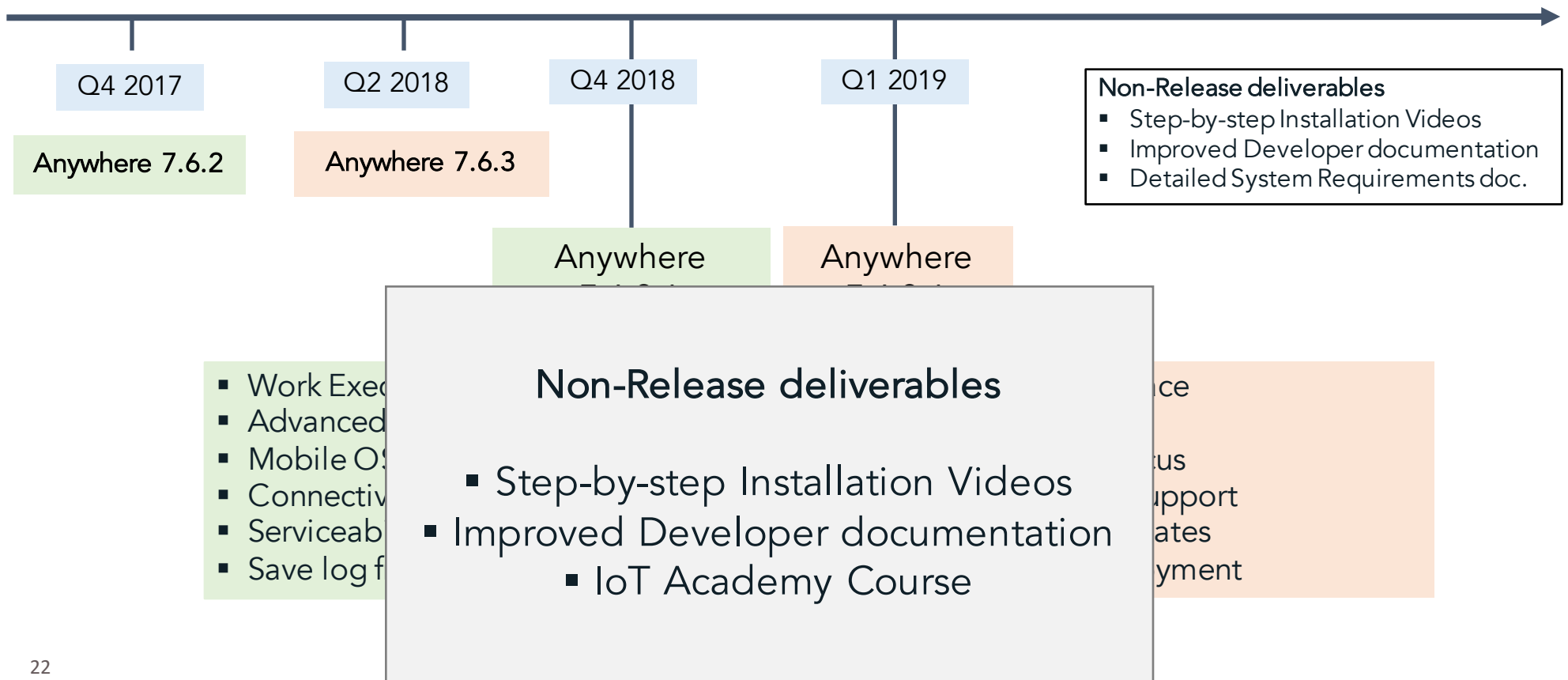
Improved performance of Search within Work Technician application

Ability to quickly download logs to your device to troubleshoot unique device-level issues

7.6.3.1 Read Me: <https://ibm.co/2TpDgKw>



Anywhere Release Focus: Client Driven



Non-Release Deliverables

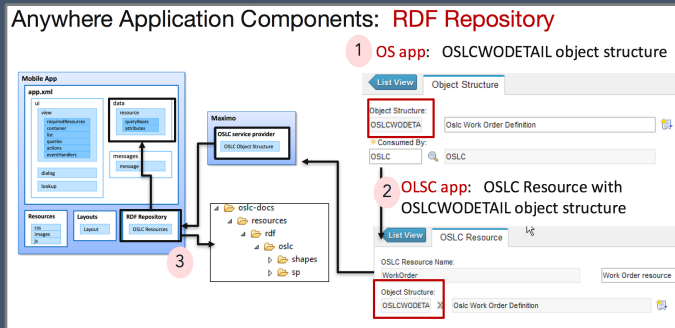
- Developer Documentation
 - Common Customization examples

- Installation Videos

- Step-by-step process to install Anywhere 7.6.3
- Similar to 7.6.2 videos

- Free 3Day Self-training Tech Course

- Targeting Business Partners, Developers
- Receive skill level badge on successful completion



2. Removing a field

In this exercise you will remove the priority field from the Work Order Details view by commenting out the field in the XML file.

As noted in the architecture overview, fields on the work order details view sit inside a container. The container stores these fields in a group and the group can have one or more group items.

- In the XML Editor, locate the WorkOrderDetailsView resource (line 198 approximately).
- Locate the Container for the WorkOrderDetailsView and expand its nodes.
- Click on the Source tab, then click CTRL+F.
- Enter "priority" and click Find.
- Return to the Design tab and display the group item containing the priority.
- Select the **priority** line directly above the id []

Maximo Anywhere
Clients



Maximo Anywhere Client : NHS Highland

Connecting every engineer, wherever they work

NHS Highland

Responding fast to maintenance requests to support high-quality patient care

Keeping healthcare facilities running smoothly is tough enough—but how do you maintain assets effectively when they're located in the remotest, hardest-to-reach parts of the country? NHS Highland worked with IBM Gold Business Partner MACS EU to deploy an integrated mobile asset management platform, enabling it to achieve high service levels.

Business challenge

To keep healthcare services running smoothly in remote areas, NHS Highland must dispatch its engineers to urgent work no matter how far they are from base. How could it help its teams stay connected?

By implementing IBM Maximo Anywhere and IBM Maximo Scheduler, NHS engineers now can respond rapidly to urgent maintenance requests even in places with poor connectivity.

Results

10%

increase in productivity helps maintain high service levels

2 hours

saved per person per week on collating data enables timely reporting

Drives

cost-efficiency and redirects investment to improve asset management

<https://ibm.co/2Dgp9jw>

Maximo Anywhere Client : TNB

2,000

Maximo Anywhere Users

Meter
Management
System



Maximo Anywhere
Direction



Maximo Anywhere
Direction

Simplification

Retain Client
Investments

Maximize Maximo
Infrastructure

Growth

Maximo Anywhere Direction

Simplification

Simplified architecture

- Ease of install
- Ease of build
- Ease of deployment

Serviceability

- Improved device visibility to network

Ease of use

- App distribution
- Reduced middleware training

Maximo Anywhere Direction

Retain Client Investment

Seamless Upgrade

- Configuration
- Customizations

End Users

- No Visible Differences
- No additional training

Maximo Anywhere Direction

Maximize Maximo Infrastructure

Ease of use

- Single Admin application
- Simplified dev environment
- Removal of license restrictions

Currency

- WebSphere 9 support
- Windows Universal
- Maximo platform consistency

Maximo Anywhere Direction

Growth

Client Focus

- Seamless upgrade
- Single support team
- Leverage current skills

Maximize Value-Add

- Reduce middleware admin, maintenance
- Reduce hardware requirements

Increased Platforms

- Distribution on Windows Store

Maximo Anywhere
Direction

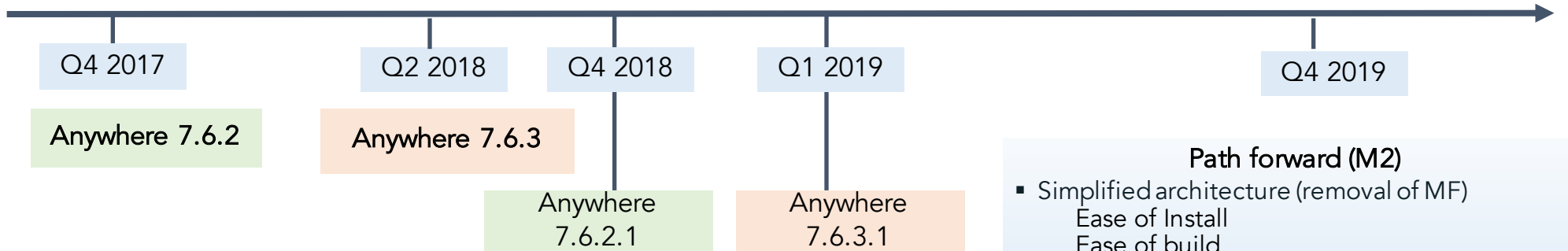
Simplification

Retain Client
Investments

Maximize Maximo
Infrastructure

Growth

Maximo Anywhere Product Roadmap - continuous feature enhancements



Delivered Customer driven Improvements:

- Work Execution Map Enhancements
- Advanced Map Capabilities
- Mobile OS Support
- Connectivity Improvements
- Serviceability Updates
- Save log from device

- Modernized User interface
- Serviceability features
- Performance feature focus
- SAML based Sign On Support
- Installation process updates
- Ease of build and deployment

Non-Release deliverables

- Step-by-step Installation Videos
- Improved Developer documentation
- IoT Academy Course

Path forward (M2)

- Simplified architecture (removal of MF)
 - Ease of Install
 - Ease of build
 - Ease of deployment
- Ease of use
 - Single Administrative application
 - Single application shell distribution
 - Removal of license restrictions
 - Reduced hardware: Removal of Mac machine requirement for iOS builds
- Seamless upgrade
- Improved visibility
 - Direct access to device (Maximo versus MF)
- Currency
 - WebSphere 9 support
 - Windows Universal
 - Maximo platform consistency
- Miscellaneous
 - Reduced middleware
 - Single support team
- Foundation for off-line work centers

Maximo Anywhere Strategic Direction

Simplification

Retain Client Investments

Maximize Maximo Infrastructure

Growth

Anywhere is a Critical component of the Maximo portfolio and strategic direction

Address key areas

- ✓ Continued updates to Anywhere applications and platform
- ✓ Support the increasing demand for off-line Work Centers
- ✓ Deliver new capabilities and application functionality
- ✓ Improve the end user experience

Evolving mobile technology and platform

- ✓ Simplify: Remove dependency on MobileFirst
- ✓ Extend architecture to support current Anywhere application
- ✓ Support off-line work centers with Anywhere
- ✓ Deliver Anywhere UI Configuration features

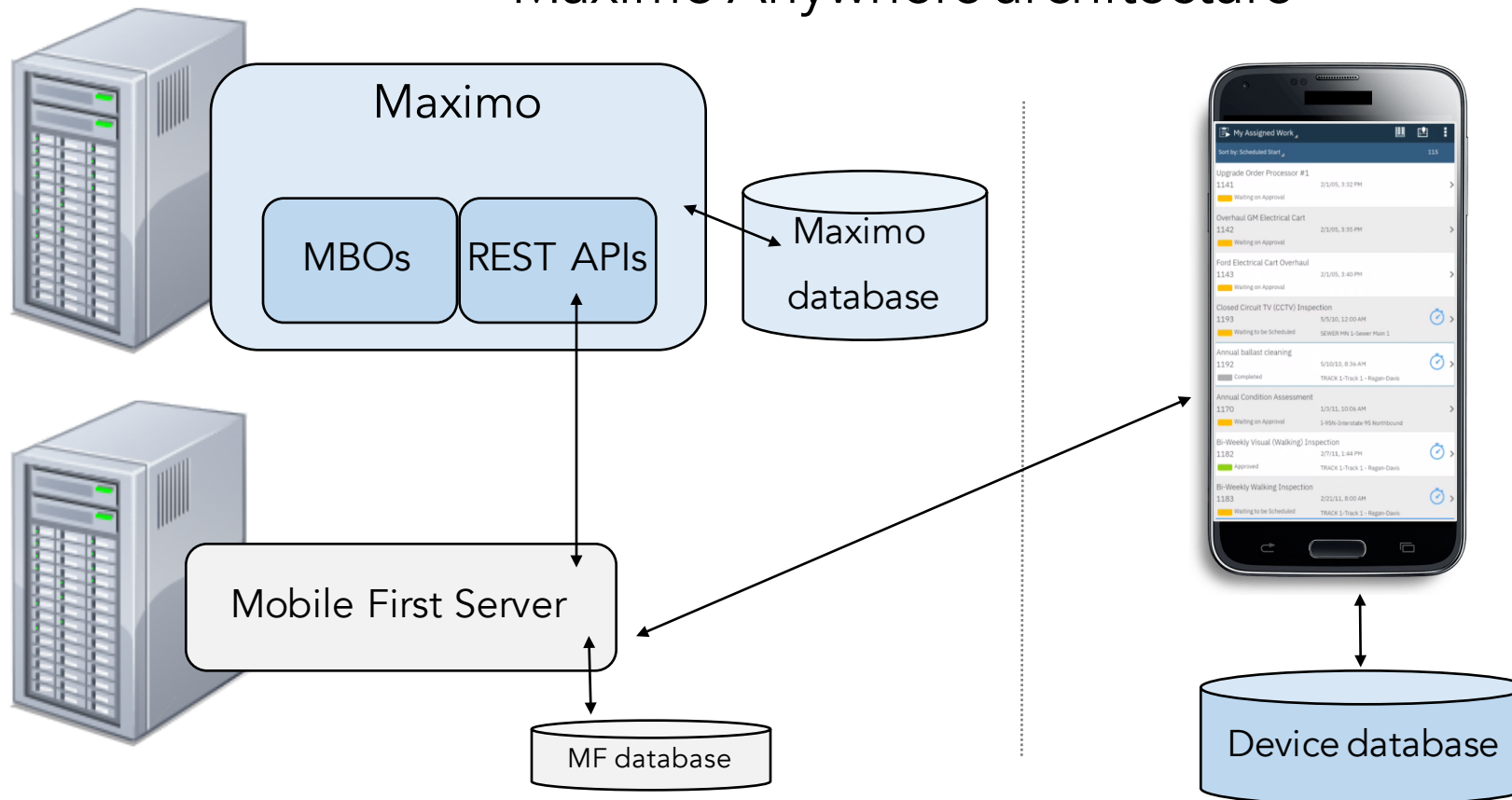
Plans for initial release of additive capabilities and technology in 2020+

Maximo Anywhere
Direction



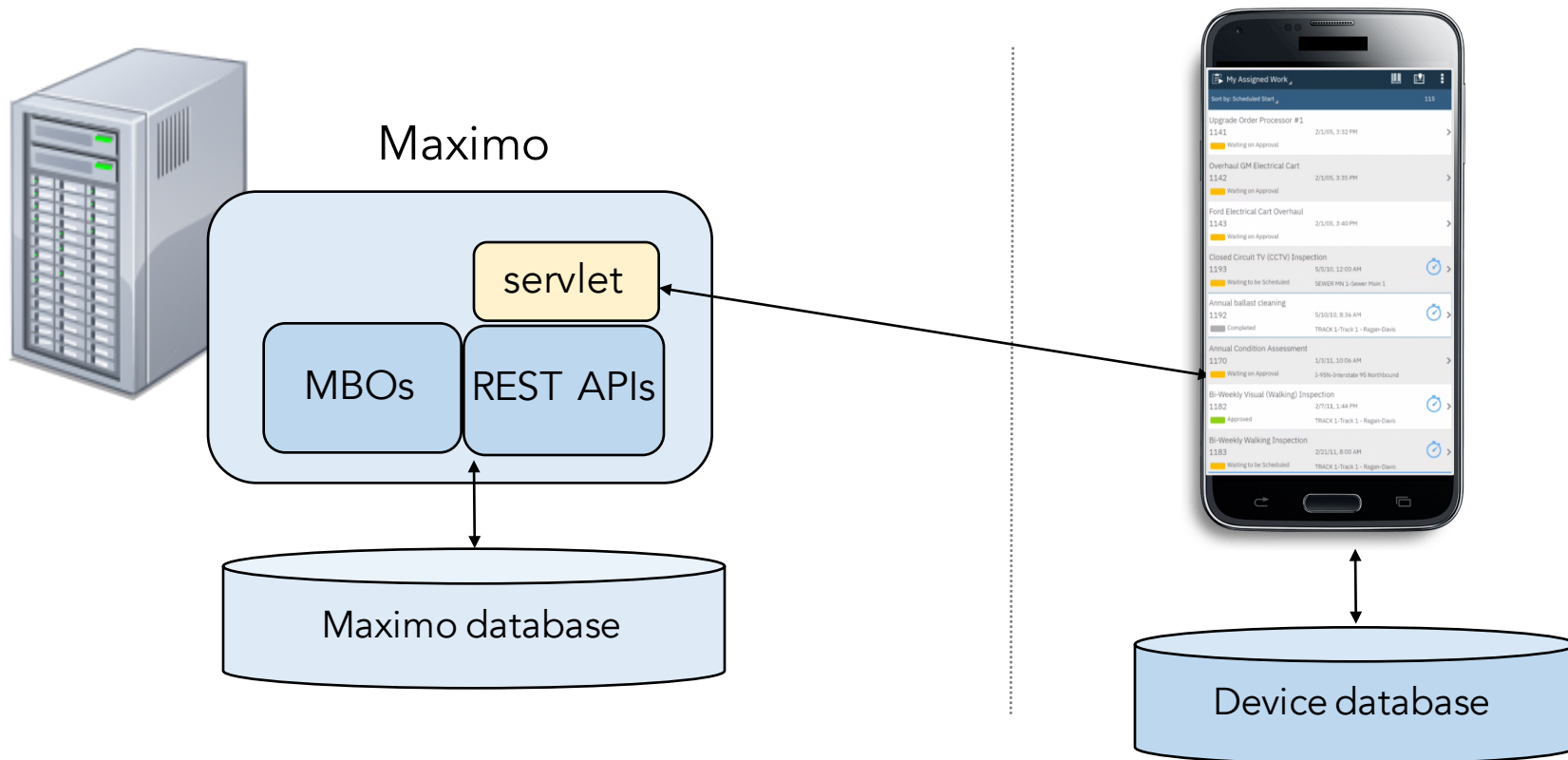
Anywhere Today...

Maximo Anywhere architecture



Anywhere Simplified

Simplification thru expanded use of Maximo platform
Removal of Mobile First



demo

questions?

Please rate the sessions you attend by completing the Star Rating and be sure to complete the overall conference evaluation in Guidebook.

★★★★★ **Loved it**

★★★★☆ **Liked it**

★★★☆☆ **It was ok**

★★☆☆☆ **Disliked it**

★☆☆☆☆ **Hated it**

Thank you!

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May 2019

