Aranda Mobile Device Management

Learn about the latest releases of Aranda ENTERPRISE MOBILITY MANAGEMENT AEMM Here you can access the latest updates to AEMM functionality.

> ⚑ **Warning - Support support for Aranda product versions:** Dear customer, remember that Aranda Software provides official support for its products in the latest version released and the two versions after the latest version. It is recommended that you keep your products updated to the latest version.

Release Notes AEMM 9.33.1

Optimization in reports for AppServices environments

PM-71219-19-201927 Embedded Environment Reporting Error

An error occurs when obtaining a report in AEMM embedded environments.

Optimization is developed for reports in appservices environments, so that the administrator can visualize and filter the corresponding information.

Remote control error App Service environments

PM-73177-19-201971 Remote Control Error App Service Environments

It is evident that the remote control in App Service environments leaves the screen black.

Improved remote control process to make communication between the device and the AEMM console more stable; Improvements are implemented in the handling of exceptions in the sending of the remote control request and in the already established session.

Viewing calls in Kiosk Mode

PM-73193-19-201972 Viewing Call Notification in Kiosk Mode on Android 14 Devices

It is reported that on android 14 devices with kiosk configuration, when receiving calls it is displayed as a notification.

An improvement is implemented in the call form, when it is configured in kiosk for devices equal to or higher than Android 14, the user will be able to view the entry of the call at 100% on the interface of the device's screen.

App Installation Enhancements

PM-73892-19-201999 Problems with Whatsapp installation

Whatsapp Messenger needs to be installed, but MDM installs Whatsapp Business

An improvement is implemented in the capture of the identifier of the applications (packagename), in order to install the specific applications required by the administrator.

Common Data Model: CMDB Version 9

PM-75384-19-202040 Request for WAF Policy Review to Prevent Blocking of AEMM ".COM" Extension URLs

The client requires installing an APK but it is identified that the Aranda WAF is blocking the loading.

An improvement is implemented in the application import process, so that the import process is not done by means of the name of the application, but by its internal identifier.

Description of implemented improvements

Description of implemented improvements

Console Improvements

- Optimization in the performance of the rules module.
- Optimization in the performance of the policy module.
- Implementation of more intuitive designs for the administrator in the configuration section, for more information consult the AEMM documentation portal at the following link:

Module	Functionality
Configuration	+ [Dynamic groups](#)
Configuration	+ [Scripts](#)

Known Errors

Understanding known errors

Console

- In the "Device List" reports, the calendar exceeds the display limit.
- In the Metrics Dashboard option, it shows the months, without having the year selected.

AEMM Agent

- Android:

- In the kiosk configuration, the following must be taken into account:

The bluetooth functionality for devices with a lower version of the operating system 9, will not be able to display notifications to grant permission to transmit files via bluetooth.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.10.0.10
- AEMM is released with tests in the 9.5.49 unified database
- From console version 9.29.0, it will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.33.1	9.10.0.10	9.5.49

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Requirements

To install Aranda Enterprise Mobility Management AEMM with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.33.1

UpdatePack 9.33.1.6

Download links

- Aranda.MDM.Web.Installer.9.33.1.6

Release Notes AEMM 9.33.0

Common Data Model: CMDB Version 9

CHG-53695-19-301539

The customer requires a Common Data Model for AEMM/CMDB integration. It is required to implement a common data model for the automatic creation and updating of CIs/Relationships in CMDB, based on what was discovered in AEMM.

The option to configure CMDB with version 9 from the AEMM console is implemented, for more information see the AEMM documentation portal at the following link:

Module	Functionality
Configuration	+ CMDB version 9

NOTE: The scope of CI creation is to devices for android and iOS platforms.

Remote control in App Service environments.

PM-73177-19-201971

There is intermittency in remote control functionality in appServices environments.

Therefore, optimization is made in the remote control functionality for AppServices environments.

Kiosk calls

PM-73193-19-201972 - Call Notification Display in Kiosk Mode - AEMM

It is evident that in kiosks calls are displayed in the form of notifications on Android 14 devices.

A workaround is carried out for Samsung devices (knox) so that the kiosk calling application is displayed normally.

⚑ **Note:** - The improvement will be developed for the different device manufacturers soon.

Description of implemented improvements

Description of implemented improvements

Console Improvements

- Optimization in the distribution of policies.
- Implementation of security in the login (recatpcha)
- Updated AEMM menu interface
- Improvements in management project submissions
- Improvements are implemented in the groups section

AEMM Agent Enhancements

- Improvements in handling application installation errors in . APK (android agent)
- Improvements are implemented in agnete iOS.

Known Errors

Understanding known errors

Console

- In the "Device List" reports, the calendar exceeds the display limit.
- In the Metrics Dashboard option, it shows the months, without having the year selected.

AEMM Agent

- Android:

- In the kiosk configuration, the following must be taken into account:

The bluetooth functionality for devices with a lower version of the operating system 9, will not be able to display notifications to grant permission to transmit files via bluetooth.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.9.1.6
- AEMM is released with tests in the 9.5.48 unified database
- From console version 9.29.0, it will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Microsoft Edge	Microsoft Corporation	1/17/2023		109.0.1518.55
Microsoft Edge WebView2 Runtime	Microsoft Corporation	1/17/2023		109.0.1518.52
Microsoft Visual C++ 2015 Redistributable (x64) - 14.0.23026	Microsoft Corporation	1/19/2023	22.4 MB	14.0.23026.0
Microsoft Visual C++ 2015 Redistributable (x86) - 14.0.23026	Microsoft Corporation	1/19/2023	18.6 MB	14.0.23026.0

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.33.0	9.9.1.6	9.5.48

Requirements

To install Aranda Enterprise Mobility Management AEMM with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.33.0

UpdatePack 9.33.0.6

Download links

- Aranda.MDM.Web.Installer.9.33.0.5

Release Notes AEMM 9.32.2

Linking module that allows mass linking of devices

CHG-52911-19-301490

Implementation of a device linking process that allows it to be carried out in bulk.

Implementation of the operation of mass linking of devices is carried out, which, through a previous configuration in the console, allows the linking of one or more devices automatically (this applies from the time the device has the AEMM agent installed).

Application Distribution Failure by Policy

PM-68191-19-201854

An issue arises when the iOS policy has apps configured, multiple cycles of sending app installs to the same device are evidenced.

Adjustments are made so that when installing the policy with configured applications, the installation command is sent only once per application.

Failure to emit sound

PM-70100-19-201899

A problem occurs when sending command to emit sound to devices linked by PO; It is noted that for it to work, it must have the mobile agent open.

A setting is made so that devices with Profile Owner (PO) linkage are prompted for permission**Show about other apps**, to display the sound notification.

> ⚐ **Note:** – For Xiaomi devices linked with Profile Owner (PO) there are problems with this functionality.
>
> It is recommended that for the correct functioning of the emit sound you access the permissions of the applications of the work profile. To do so, you must go to Settings->Applications->Manage applications, display the menu of the 3 dots that is in the upper right and choose the option **Show workspace apps**, select the app **ArandaEMM** that has a portfolio icon and enter the **Other Permissions**. Enable permissions **Show on lock screen** and **Open new windows while running in the background.**

Description of implemented improvements

Description of implemented improvements

Console Improvements

- Database (application) performance improvements.

AEMM Agent Enhancements

- Display improvements in the remote control process

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.
- In the kiosk configuration, the following must be taken into account: The bluetooth functionality for devices with a lower version of the operating system 9, will not be able to display notifications to grant permission to transmit files via bluetooth.
- In the Metrics Dashboard option, it shows the months, without having the year selected.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.9.1.6
- AEMM is released with tests in the 9.5.47.5 unified database
- From console version 9.29.0, it will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Microsoft Edge	Microsoft Corporation	1/17/2023		109.0.1518.55
Microsoft Edge WebView2 Runtime	Microsoft Corporation	1/17/2023		109.0.1518.52
Microsoft Visual C++ 2015 Redistributable (x64) - 14.0.23026	Microsoft Corporation	1/19/2023	22.4 MB	14.0.23026.0
Microsoft Visual C++ 2015 Redistributable (x86) - 14.0.23026	Microsoft Corporation	1/19/2023	18.6 MB	14.0.23026.0

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.32.2	9.9.1.6	9.5.47

Requirements

To install Aranda Enterprise Mobility Management AEMM with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.32.2

UpdatePack 9.32.2.9

Download links

- Aranda.MDM.Web.Installer.9.32.2.9

Release Notes AEMM 9.32.1

Synchronization of devices between AEMM and ABM

PM-65828-19-201794 and PM-66775-19-201826

There is a limit in the configuration parameter related to the synchronization of devices between AEMM and ABM (Apple Business Manager), this value is in one thousand and does not synchronize more than this number of devices.

Adjustment is made so that synchronization between AEMM and ABM (Apple Business Manager) is done with more than a thousand linked devices.

Description of implemented improvements

Description of implemented improvements

Console Improvements

- Database performance improvements (policies).
- Adjust mail delivery when configured in a rule to include the information of the device on which the fulfillment is performed.
- Adjust in iOS settings so that the certificate ID is displayed in Apple when it has already expired.
- Adjust to the process of installing apps on Android devices.

AEMM Agent Enhancements

- Android 14 compatibility
- Display improvements in the remote control process

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.
- In the kiosk configuration, the following must be taken into account: The bluetooth functionality for devices with a lower version of the operating system 9, will not be able to display notifications to grant permission to transmit files via bluetooth.
- In the Metrics Dashboard option, it shows the months, without having the year selected.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.9.0.11
- AEMM is released with tests in the 9.5.46 unified database.
- From console version 9.29.0, it will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Microsoft Edge	Microsoft Corporation	1/17/2023			109.0.1518.55
Microsoft Edge WebView2 Runtime	Microsoft Corporation	1/17/2023			109.0.1518.52
Microsoft Visual C++ 2015 Redistributable (x64) - 14.0.23026	Microsoft Corporation	1/19/2023	22.4 MB	14.0.23026.0
Microsoft Visual C++ 2015 Redistributable (x86) - 14.0.23026	Microsoft Corporation	1/19/2023	18.6 MB	14.0.23026.0

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.32.1	9.9.0.11	9.5.46

Requirements

To install Aranda Enterprise Mobility Management AEMM with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.32.1

UpdatePack 9.32.1.7

Download links

- Aranda.MDM.Web.Installer.9.32.1.7

Release Notes AEMM 9.32.0

Remote Control for Generic Agent Devices

CHG-58370-19-301588 - Remote Control for Generic Agent Devices

Currently, devices that have the generic agent installed can only monitor the screen, but cannot perform remote control actions from a session in the web console.

Improved functionality is implemented; Starting with version 9.32.0, device control from the console is allowed for devices that have the generic agent installed.

Note:

This functionality applies to devices with android version 8 or higher and in this version it works for Devices that are not in kiosk mode

Blocking requests for the use of unnecessary cookies

PM-62048-19-201717

Cookies are detected that are blocked in clear text in the Web Application Firewall (WAF); It is requested to use an alternative mechanism for cases that require storing information in the user's session.

The requested adjustment is made using local storage in the browser (LocalStorage) in the customer session, for the required cases.

Bulk update button is not enabled when there are many devices

PM-57394-19-201628

In bulk updates of applications for the AEMM product, the Send when selecting many devices. In cases where the default loaded devices (20 records) are selected, it allows the sending of update for these devices.

Adjustment is made so that the Select All in the Install app tab (on the apps screen), to make this action work with respect to the selected filter and send the command to all the corresponding devices.

Description of implemented improvements

Description of implemented improvements

Console Improvements

- Database performance improvements.
- Improvements in the visibility of groups, now only allows modifying groups to which the user has permissions
- Improvements in sending push notifications to devices.
- Linkage process is optimized.
- Command response processing is optimized.

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.
- In the kiosk configuration, the following must be taken into account: The bluetooth functionality for devices with a lower version of the operating system 9, will not be able to display notifications to grant permission to transmit files via bluetooth.
- In the Metrics Dashboard option, it shows the months, without having the year selected.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.9.0.11
- AEMM is released with testing in the 9.5.45 unified database.
- From console version 9.29.0, it will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Microsoft Edge	Microsoft Corporation	1/17/2023		109.0.1518.55
Microsoft Edge WebView2 Runtime	Microsoft Corporation	1/17/2023		109.0.1518.52
Microsoft Visual C++ 2015 Redistributable (x64) - 14.0.23026	Microsoft Corporation	1/19/2023	22.4 MB	14.0.23026.0
Microsoft Visual C++ 2015 Redistributable (x86) - 14.0.23026	Microsoft Corporation	1/19/2023	18.6 MB	14.0.23026.0

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.32.0	9.9.0.11	9.5.45

Requirements

To install Aranda Enterprise Mobility Management AEMM with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the

installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.

- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.32.0

UpdatePack 9.32.0.9

Download links

- Aranda.MDM.Web.Installer.9.32.0.9

Release Notes AEMM 9.31.0.7

Per-user device viewing permissions

CHG-23164-19-300425- Change in Groups and CHG-5231-19-300117 Device Display Permissions by User

Request:

In the groups functionality, when adding a user and certain devices, the user who enters the console will only be able to view the computers of the group to which they belong.

Improvements:

Improved functionality is implemented; The console administrator will be able to configure via the *View Other Devices* the display of devices that the user can manage from AEMM. That is, restrictions can be made that allow the administrator to disable the full display of all devices and segment it according to the need or, on the contrary, grant full viewing permission to the linked devices.

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Configurations	+ *View Other Devices role settings

Description of implemented improvements

Description of implemented improvements

Console Improvements

- Database performance improvements.
- Metrics functionality is optimized.
- Display improvements are made to LDAP.
- In console auditing, adjustments were made to bulk command events.
- Improvements are made to the linking of iOS devices by ABM

- Optimization of blacklist configuration policy restrictions.

Agent Improvements

- The display of the applications in kiosks and the information on the home page is optimized.
- Improved display of app names in kiosk and detail of device status information (home)

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.
- In the kiosk configuration, the following must be taken into account: Bluetooth functionality for devices < OS version 9 cannot see notifications to grant permission to transmit files via Bluetooth.
- In the Metrics option dashboard, it shows the months without having the year selected.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.8.2.5
- AEMM is released with tests in the 9.5.44 unified database.
- From console version 9.29.0, it will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.31.0	9.8.2.5	9.5.44

Requerimientos

Para llevar a cabo la instalación de Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, con una base de datos nueva, tenga en cuenta lo siguiente:

1. A partir de la versión 9.16 la base de datos está unificada con los demás productos de Aranda y a nivel del instalador no se creará la base de datos. Para el despliegue se cuenta con la herramienta Aranda Data Base Tools (DBtools). 2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.31.0.7

UpdatePack 9.31.0.7

Download links

- Aranda.MDM.Web.Installer.9.31.0.7

Release Notes AEMM 9.30.1

Problem Applying a Policy with Password Settings

PM-56548-19-201608

When sending in the policy (Devices and Profile – Password Settings option), PO devices did not execute the policy correctly.

Adjustment is made and when the password configuration is performed, the agent correctly receives the policy command and applies it to the devices.

⚑ **Note:** Starting with Android 13 in Profile Owner (PO) mode, only password quality settings are taken into account, all other settings will be omitted as they are set by default.

Description of implemented improvements

Description of implemented improvements

- Adjust in iOS agent so that when applying a rule with unpairing settings, it sends an alert to the console when the device is unpaired.
- Set the app finder in the "Apps" section of the policy settings, so that it filters apps from the first character typed.
- Set the remote control command button in the device detail, so that it is not hidden after trying to send an action and retract (click the change policy action and then click the back button).
- Security setting since version 9.29.2 so that CSP headers are overwritten for the management console.
- Adjust the selection of users to add them to groups.

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.8.1.2
- AEMM is released with tests in the 9.5.43 unified database.
- From console version 9.29.0, it will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).

- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.30.1	9.8.1.2	9.5.43

Requerimientos

Para llevar a cabo la instalación de Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, con una base de datos nueva, tenga en cuenta lo siguiente:

1. A partir de la versión 9.16 la base de datos está unificada con los demás productos de Aranda y a nivel del instalador no se creará la base de datos. Para el despliegue se cuenta con la herramienta Aranda Data Base Tools (DBtools). 2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

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- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.30.1.5

UpdatePack 9.30.1.5

Download links

- Aranda.MDM.Web.Installer.9.30.1.5

Release Notes AEMM 9.30.0

Restrict the use of Face ID (Touch ID) on iOS

CHG-27274-19-300558 - Turn off Face ID (Touch ID)

The customer requires that in the IOS policy restrictions you can enable and disable device locking or unlocking operation via Face ID (Touch ID).

Restriction settings are implemented on the console to enable and disable locking or unlocking devices using Face ID (Touch ID). This feature applies to supervised devices.

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Policies	+ [Policy Settings, Item "Restrictions on iOS"](#)

Restriction Enable Find My Search on iOS

CHG-27276-19-300560 - Activate Find My Search

The customer requires that in the restrictions of the IOS policies you can activate and deactivate the operation of finding devices through the "Find My" application provided by Apple.

The restriction settings are implemented in the console to activate and deactivate the operation of device search through the "Find My" application provided by Apple. This feature applies to supervised devices running iOS 13 or higher.

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Policies	+ [Policy Settings, Item "Restrictions on iOS"](#)

Date range in location

CHG-23161-19-300424 - Date Range in Location

The customer requires that at the device location (Location tab, device detail), the start time is 5:00 am and the end time is 6:00 pm. It also requires that the start and end date be the current one, so as not to adjust the dates at the time of monitoring.

The requested operation is implemented in the console, for the location tab in the device detail

For more information, please consult the AEMM documentation portal at the following link:

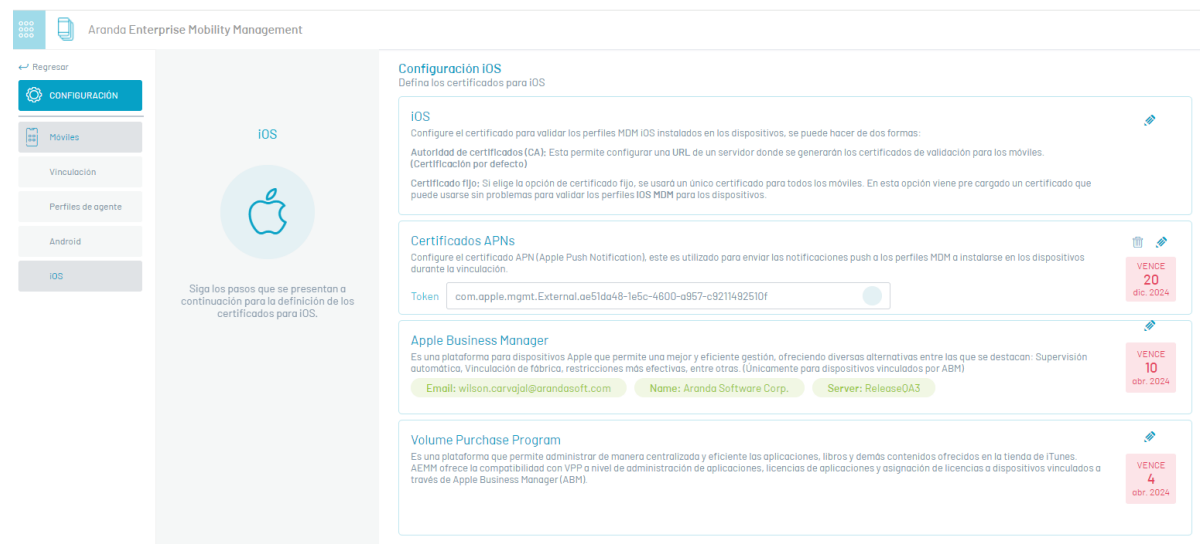| Module	Functionality
Devices	+ [Device Resume, Item "Location Tab"](#)

iOS Configuration Improvements

iOS Configuration Improvements

ios APNs Certificates Apple Business Manager Volume Purchase Program

Improvements are developed in the user experience at the level of adjustments in design and structure; via REACT migration, on the Linking Settings screen. This implementation optimizes the user experience in the web application, due to its speed in loading pages and ease in maintaining the application, allowing changes to be more agile.

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Configuration	+ [Item "iOS Tab"](#)

Updating the AEMM Agent for Android Devices

Updating the AEMM Agent for Android Devices

The user experience is improved at the design and structure level for the following module:

1- Kiosk

Module	Functionality
Link	+ [Bonding process](#)

Description of implemented improvements

Description of implemented improvements

- Database performance improvements.
- Improvements to the APN certificate CSR file generation process, so that the key changes every time a new one is generated.
- Improvements to the "Activity" tab in the device detail.
- Improvements to cruncher service processing.

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.8.1.2
- AEMM is released with tests in the 9.5.42 unified database.

- From console version 9.29.0, it will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.30.0	9.8.1.2	9.5.42

Requerimientos

Para llevar a cabo la instalación de Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, con una base de datos nueva, tenga en cuenta lo siguiente:

1. A partir de la versión 9.16 la base de datos está unificada con los demás productos de Aranda y a nivel del instalador no se creará la base de datos. Para el despliegue se cuenta con la herramienta Aranda Data Base Tools (DBtools). 2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.30.0.6

UpdatePack 9.30.0.6

Download links

- Aranda.MDM.Web.Installer.9.30.0.6

Release Notes AEMM 9.29.2

Description of implemented improvements

Description of implemented improvements

- Adjust to the tracking command, so that in the console you can see the configuration, after the successful processing of the command on the device.
- An agent profile screen is adjusted so that the configuration does not allow entering values at 0 or saving empty values.

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.8.0.5.
- AEMM is released with tests in the 9.5.41 unified database.
- Android 9.29.1.0 AEMM Agent is released for compatibility issues of changes implemented in this patch.
- Starting with console version 9.28.2, you will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Microsoft Edge	Microsoft Corporation	1/17/2023			109.0.1518.55
Microsoft Edge WebView2 Runtime	Microsoft Corporation	1/17/2023			109.0.1518.52
Microsoft Visual C++ 2015 Redistributable (x64) - 14.0.23026	Microsoft Corporation	1/19/2023	22.4 MB	14.0.23026.0	
Microsoft Visual C++ 2015 Redistributable (x86) - 14.0.23026	Microsoft Corporation	1/19/2023	18.6 MB	14.0.23026.0	

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.29.2	9.8.0.5	9.5.41

Requerimientos

Para llevar a cabo la instalación de Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, con una base de datos nueva, tenga en cuenta lo siguiente:

1. A partir de la versión 9.16 la base de datos está unificada con los demás productos de Aranda y a nivel del instalador no se creará la base de datos. Para el despliegue se cuenta con la herramienta Aranda Data Base Tools (DBtools). 2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to

true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.29.2.2

UpdatePack 9.29.2.2

Download links

- [Aranda.MDM.Web.Installer.9.29.2.2](#)

Release Notes AEMM 9.29.0

Problem with results in app import

PM-45460-19-201357- Android App Import

When searching for the application, it does not show the required results, because they correspond to applications from the Play store of specific countries (Mexico, Costa Rica, Chile, among others).

An improvement is implemented in the functionality of importing applications from the Play Store to the console; Now the customer will be able to select the country to search for the applications. If the user does not select any country, by default the application takes the store configuration in the United States (as it currently works).

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Applications	+ [Import app](#)

Problem with results in app import

PM-47564-19-201410- Bonding issues

When pairing a device, the inventory or location is not displayed, and an error is evident in the cruncher regarding the SSID listing.

An improvement is implemented for agent version 9.28.1, updated in the store on August 2 of the current year and the number of nearby wifi networks is limited.

Obtaining the serial number of the device

CHG-42039-19-301211 - Add device serial number in device detail.

The client requires the device serial data (Physical) to appear in the device inventory details in console.

Development is carried out on the console and in the agents of Android devices to capture and record the serial

number of the cell phones in the console, classified as hardware information. This feature applies to Total Device Owner (DO) management profiles

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Devices	+ [Serial Information](#)

Turn off predictive keyboards from policy on iOS.

CHG-27281-19-300563 - Disable Predictive Keyboards from Policy on iOS

The customer requires that in the iOS Policies restrictions you can disable predictive keyboards.

Development is carried out in the console and in the agents of iOS devices to configure restriction through policy; this way the administrator will be able to activate or deactivate the prediction of keyboards on iOS devices. This feature applies to supervised devices.

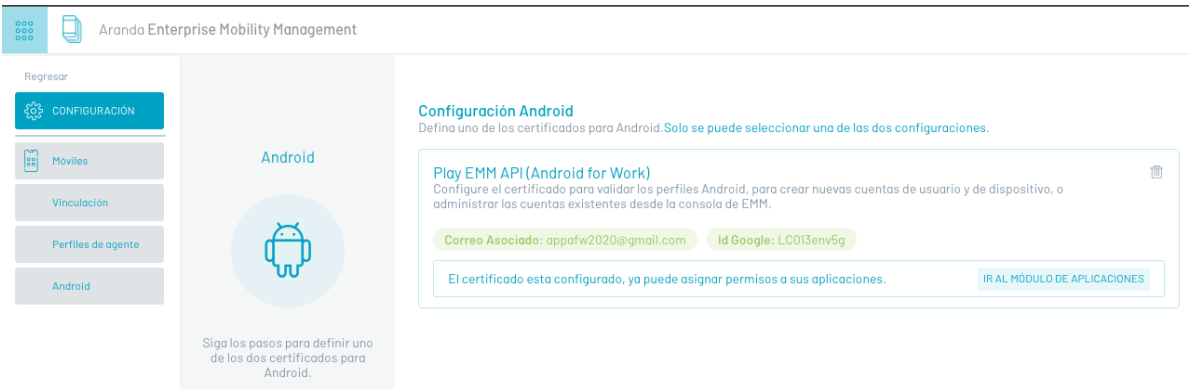For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Policies	+ [Policy Settings, Item "Restrictions on iOS"](#)

Restriction on AirDrop activation on iOS

CHG-27272-19-300556 - Restriction on AirDrop activation on iOS

The client requires adjustment in the console, during the configuration of IOS policies, in order to restrict the activation of the airdrop.

Restrict settings are implemented in the console to enable and disable the sending or receiving of items via airdrop. This feature applies to supervised devices.

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Policies	+ [Policy Settings, Item "Restrictions on iOS"](#)

Restrict USB connection activation with lock screen on iOS

CHG-27275-19-300559- Restrict USB Connection Activation with Lock Screen on iOS

The customer requires adjustment on the console, during the configuration of IOS policies, in order to restrict USB accessories.

If the restriction is inactive, the device can be connected to USB accessories while it is locked; otherwise, the system will ignore this value. This feature applies to supervised devices.

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Policies	+ Policy Settings, Item "Restrictions on iOS"

Restriction Disable: Autofill passwords on iOS

CHG-27278-19-300561 - Disable Restriction: Autofill Passwords on iOS

The client requires adjustment in the console, during the configuration of IOS policies, to disable password autofill.

Restrictions settings are implemented in the console to enable and disable permission to autofill passwords. This feature applies to supervised devices.

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Policies	+ Policy Settings, Item "Restrictions on iOS"

Android Settings Improvements

Android Settings Improvements

Android Play EMM API (Android for Work- AFW)

Improvements are developed in the user experience at the level of adjustments in design and structure; via REACT migration, on the Linking Settings screen. This implementation optimizes the user experience in the web application, due to its speed in loading pages and ease in maintaining the application, allowing changes to be more agile.

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Configuration	+ Item "Improvements in the Android section"

Pairing Configuration Improvements

Pairing Configuration Improvements

Improvements are developed in the user experience at the level of adjustments in design and structure; via REACT migration, on the Linking Settings screen. This implementation optimizes the user experience in the web application, due to its speed in loading pages and ease in maintaining the application, allowing changes to be more agile.

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Configuration	+ Item "Improvements in the linking section"

Description of implemented improvements

Description of implemented improvements

- Database performance improvements.
- Improvements to cruncher service processing.
- Improvements are made to the descriptions of alerts generated in the console
- Bulk commands include the command: disable factory reset
- Improved images sent for device linking via email

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.8.0.2
- AEMM is released with tests in the 9.5.40 unified database.
- From console version 9.29.0, it will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.29.0	9.8.0.2	9.5.40

Requerimientos

Para llevar a cabo la instalación de Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, con una base de datos nueva, tenga en cuenta lo siguiente:

1. A partir de la versión 9.16 la base de datos está unificada con los demás productos de Aranda y a nivel del instalador no se creará la base de datos. Para el despliegue se cuenta con la herramienta Aranda Data Base Tools (DBtools). 2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.31.0.9

UpdatePack 9.29.0.9

Download links

- Aranda.MDM.Web.Installer.9.29.0.9

Release Notes AEMM 9.28.2

Problem deselecting devices in the Apps module

PM-45338-19-201354

In the Application module, when selecting an application, in the detail view and the Devices tab, the option to filter or select all devices is available. Disabling device selection keeps the view and takes no action.

Adjustment is made by allowing you to filter devices for the enabled action type: Select All, Deselect and Select Manually.

Issue when performing template download for bulk user import

PM-45035-19-201343

Reported Incident:

In the configuration module, you have the option to perform template download .csv in order to perform the bulk user

upload, but when performing this action it does not perform the required download.

An adjustment is made that allows you to download the template required for bulk uploading of users.

Description of implemented improvements

Description of implemented improvements

- Improvements are made to consumption alerts.
- Improvements are being developed in project management tags.
- Optimization is made in the ABM linking on the login screen.
- Adjust to push notifications for iOS and Android devices (includes audible warnings on iOS, message notification, among others)

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.7.2.20.
- AEMM is released with tests in the 9.5.39 unified database.
- Starting with console version 9.28.2, you will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.28.2	9.7.2.20	9.5.39

Requerimientos

Para llevar a cabo la instalación de Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, con una base de datos nueva, tenga en cuenta lo siguiente:

1. A partir de la versión 9.16 la base de datos está unificada con los demás productos de Aranda y a nivel del instalador no se creará la base de datos. Para el despliegue se cuenta con la herramienta Aranda Data Base Tools (DBtools). 2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.

- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, the IIS requires the load user Profile property that is within the respective Application Pool, to be set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.28.2

UpdatePack 9.28.2

Download links

- Aranda.MDM.Web.Installer.9.28.2

Release Notes AEMM 9.28.1

Disable Factory Reset

Turn off factory reset protection

The AEMM administrator has the option to custom-configure devices that require reset protection activation, which is why the "Factory Reset Disable option" was developed. The aforementioned functionality is found in the Devices module as an individual command and command per project management.

- Devices Module:

Single Command
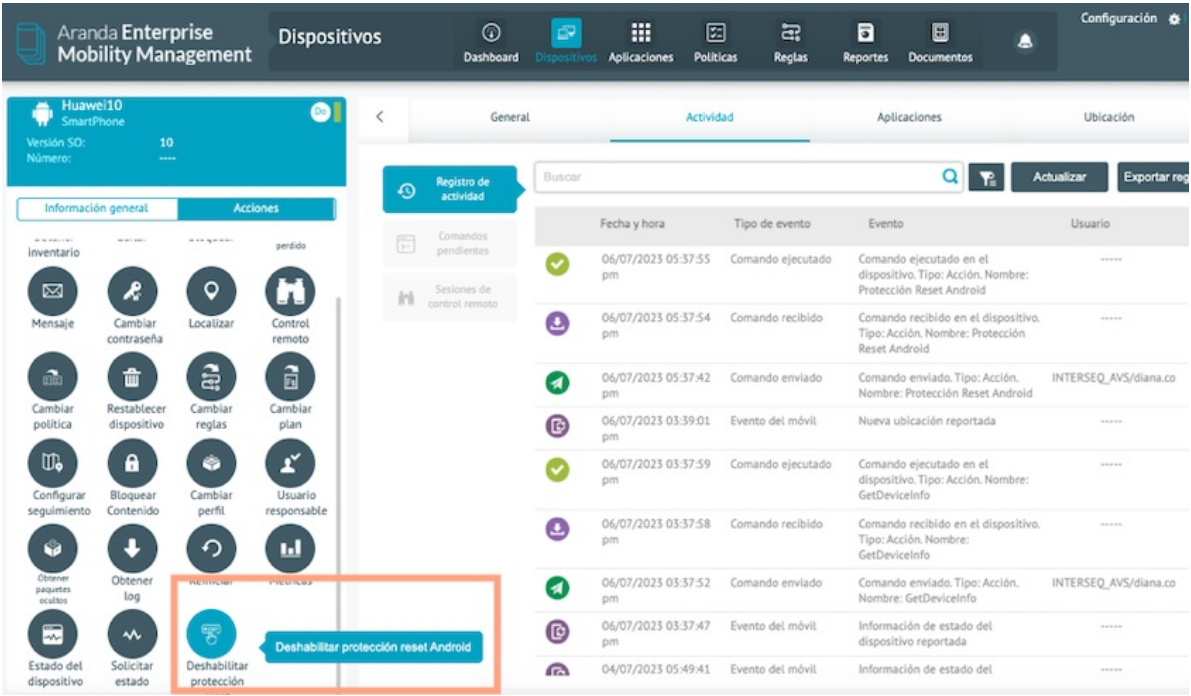
Management Projects
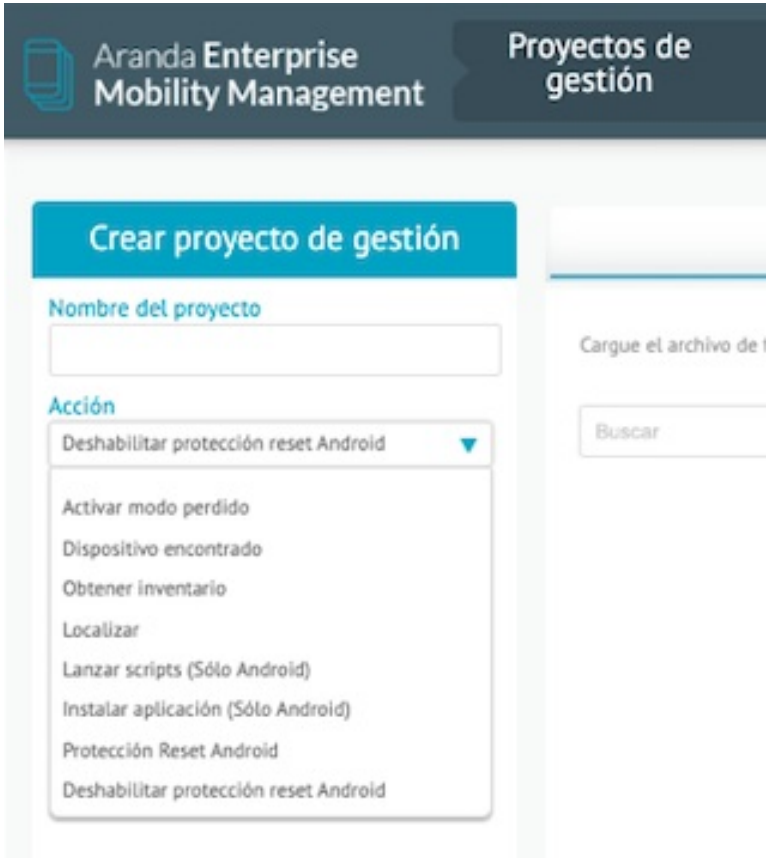
Module	Functionality
Configuration	+ Item "Device Reset Deactivation"

Agent Profile Configuration Enhancements

Agent Profile Configuration Enhancements

Improvements are developed in the user experience at the level of adjustments in design and structure; via REACT migration, on the User Profile Settings screen. This implementation optimizes the user experience in the web application, due to its speed in loading pages and ease in maintaining the application, allowing changes to be more agile.
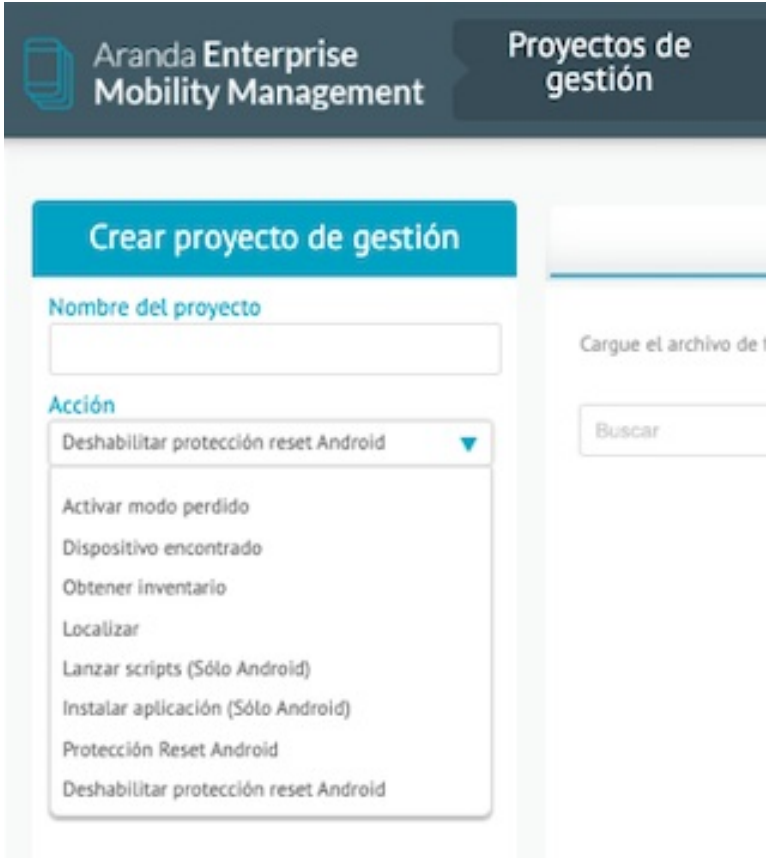
Module	Functionality
Configuration	+ Item "Improvements in the Agent Profile section"

APN Certificate Validation (iOS)

APN Certificate Validation (iOS)

In the APN renewal (upgrade) process, the configured APN must match the new APN file to be updated.

From the AEMM console, validation of the file update is developed, indicating to the administrator when the file does not correspond to the previous one uploaded (configured).

In the manual you can find the validation process carried out by the administrator:

Module	Functionality
Configuration	+ Item "APN Certificate Validation"

A button to delete the APN is added, if you need to set up a new file.

Updating the AEMM Agent for Android Devices

Updating the AEMM Agent for Android Devices

The user experience is improved at the design and structure level for the following modules:

1- Bonding process

2- Device status

3- Device Information

4- Metrics

Module	Functionality
Link	+ Bonding process
Link	+ Bonding process
Devices	+ Main Menu

Alerts for Devices without policy and/or rule

Alerts for Devices without policy and/or rule

Through a scheduled task, the system validates whether the linked devices have policies and rules configured; If there is a device that does not comply with this configuration, an alert is generated informing a detail about the devices that do not comply with the condition.

- Alerts Module:
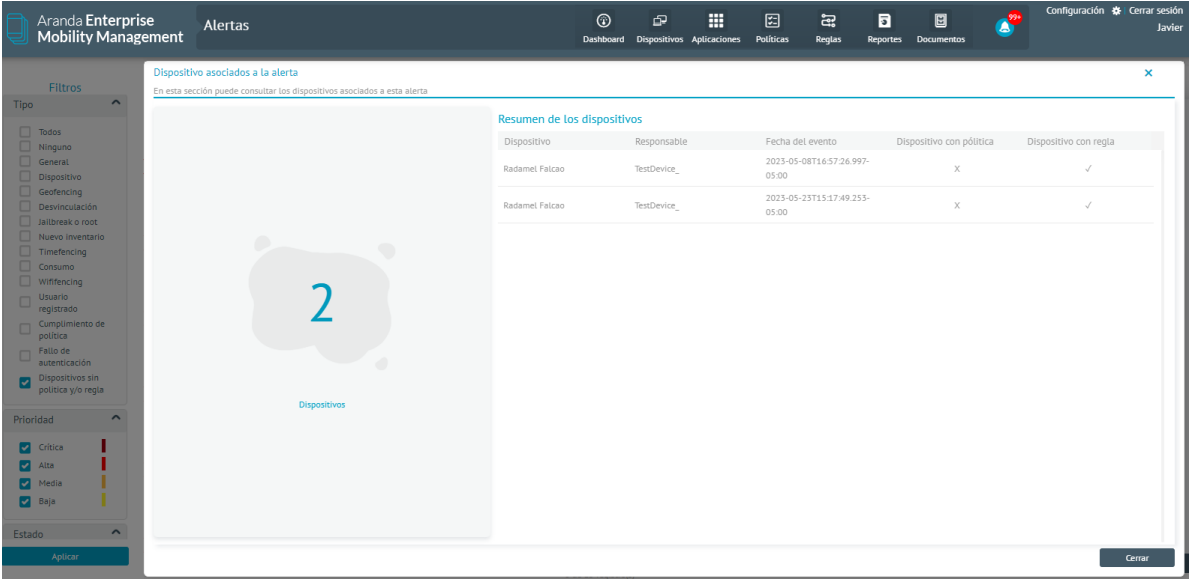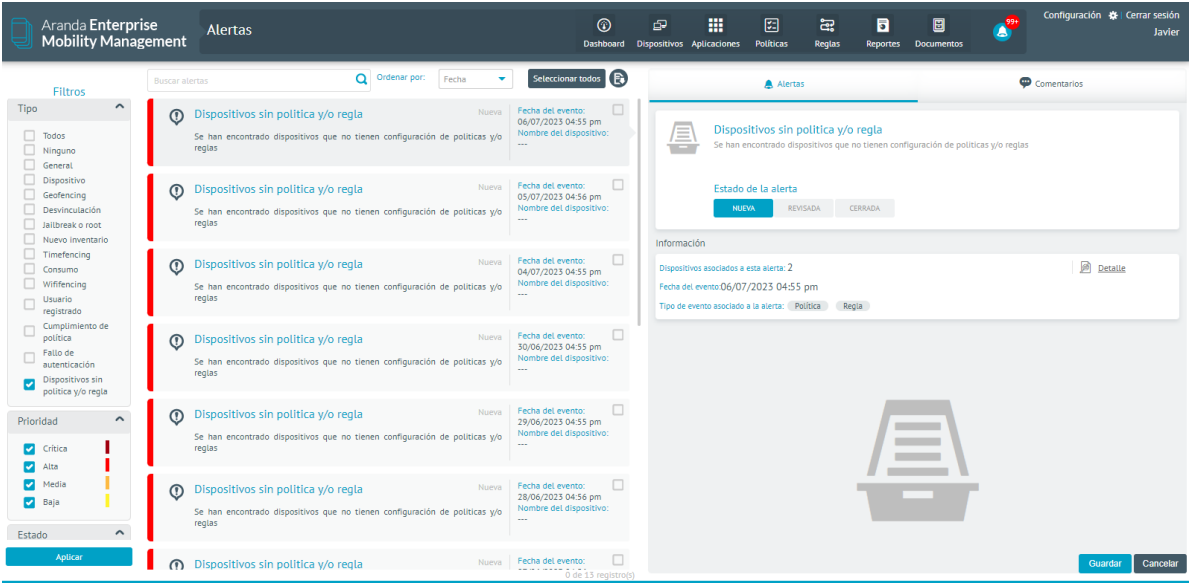
Description of implemented improvements

Description of implemented improvements

- Database performance improvements.
- Improvements to the processing of the cruncher service.

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.7.2.20.
- AEMM is released with tests in the 9.5.38 unified database.
- Starting with console version 9.28.0, it will only support agent versions greater than or equal to 9.27.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is required for the remote control process that the server has the following C components installed++:

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.28.1	9.7.2.20	9.5.38

Requerimientos

Para llevar a cabo la instalación de Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, con una base de datos nueva, tenga en cuenta lo siguiente:

1. A partir de la versión 9.16 la base de datos está unificada con los demás productos de Aranda y a nivel del instalador no se creará la base de datos. Para el despliegue se cuenta con la herramienta Aranda Data Base Tools (DBtools). 2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.28.1

UpdatePack 9.28.1

Download links

- Aranda.MDM.Web.Installer.9.28.1

Release Notes AEMM 9.27.1.2

Problem sending policies to group

PM-44607-19-20132

Adjustments are made to the process of sending policy to a particular device group, as the same policy is currently sent to other devices that are not part of the selected group.

Product Enhancements

Console

- Troubleshooting Incident Reported on the Group Policy Screen

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.7.2.18.
- AEMM is released with tests in the 9.5.36 unified database.
- Starting with console version 9.25.0, you will only support agent versions greater than or equal to 9.24.0 (Android) and agent 9.20 (iOS).
- **Important**: It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important**: It is required for the remote control process that the server has the following C distributables installed:++:

Microsoft Edge	Microsoft Corporation	1/17/2023			109.0.1518.55
Microsoft Edge WebView2 Runtime	Microsoft Corporation	1/17/2023			109.0.1518.52
Microsoft Visual C++ 2015 Redistributable (x64) - 14.0.23026	Microsoft Corporation	1/19/2023	22.4 MB		14.0.23026.0
Microsoft Visual C++ 2015 Redistributable (x86) - 14.0.23026	Microsoft Corporation	1/19/2023	18.6 MB		14.0.23026.0

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.27.1.2	9.7.2.18	9.5.36

Requirements

To install Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Known Errors

- In reports, in the "Device List" option, the calendar exceeds the display limit.
- The process of uploading applications through .apk file is affected when the console is hosted in an Azure App Service, this is because the Azure libraries that are currently used for the loading of applications, do not have

Installers 9.27.1.2

UpdatePack 9.27.1.2

Download links

- Aranda.MDM.Web.Installer.9.27.1.2

Release Notes AEMM 9.27.1

Database improvements

Database improvements

The creation of indexes was carried out for the optimization of queries of command information and improvements to the stored procedures. Similarly, hours are updated in the execution of AEMM scheduled tasks, so that they are executed during non-working hours.

Product Enhancements

Console

- LDAP Performance Improvements
- Visual improvements are made in management projects

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.7.2.18.
- AEMM is released with tests in the 9.5.36 unified database.
- Starting with console version 9.25.0, you will only support agent versions greater than or equal to 9.24.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is necessary for the remote control process that the server has the following C distributables installed:++:

Microsoft Edge	Microsoft Corporation	1/17/2023			109.0.1518.55
Microsoft Edge WebView2 Runtime	Microsoft Corporation	1/17/2023			109.0.1518.52
Microsoft Visual C++ 2015 Redistributable (x64) - 14.0.23026	Microsoft Corporation	1/19/2023	22.4 MB	14.0.23026.0
Microsoft Visual C++ 2015 Redistributable (x86) - 14.0.23026	Microsoft Corporation	1/19/2023	18.6 MB	14.0.23026.0

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.27.1	9.7.2.18	9.5.36

Requerimientos

Para llevar a cabo la instalación de Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, con una base de datos nueva, tenga en cuenta lo siguiente:

1. A partir de la versión 9.16 la base de datos está unificada con los demás productos de Aranda y a nivel del instalador no se creará la base de datos. Para el despliegue se cuenta con la herramienta Aranda Data Base Tools (DBtools). 2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Known Errors

- In reports, in the "Device List" option, the calendar exceeds the display limit.
- The process of uploading applications through .apk file is affected when the console is hosted in an Azure App Service, this is because the Azure libraries that are currently used for the loading of applications, do not have due control of the generation of the hash that is created to identify the uploaded file (.apk) in a storage account (for the console that is in an AppService, you need to set up a cloud storage account for it to function properly.)

Installers 9.27.1

UpdatePack 9.27.1

Download links

- Aranda.MDM.Web.Installer.9.27.1

Release Notes AEMM 9.27.0

Reset protection on Android
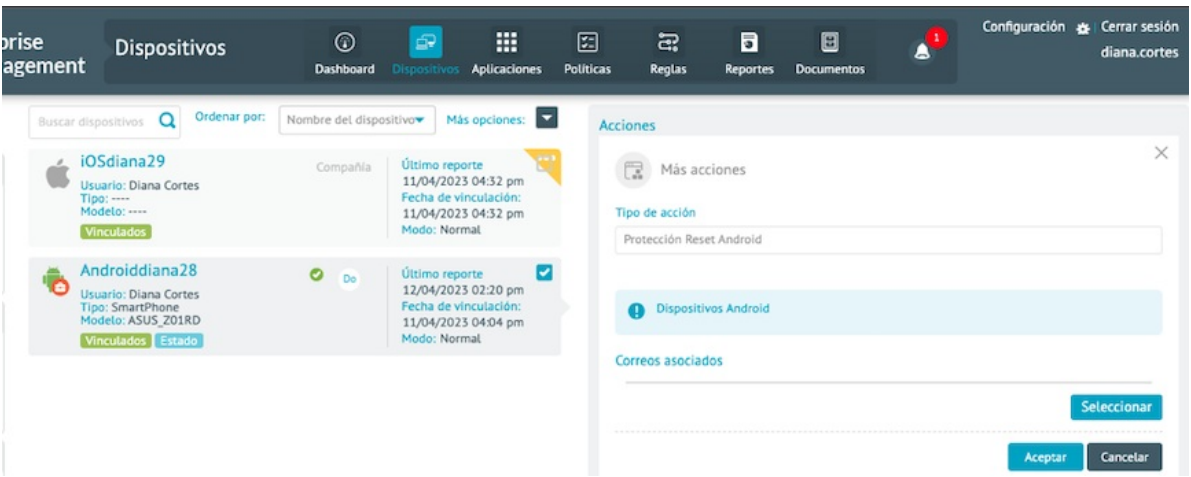
Factory Reset Protection

The option to configure devices with factory reset protection is implemented, in which it is established that when resetting the device by means of a key combination or performing a restore (wipe) from console, at the time of requesting an email account in the initial device configuration interface you will only receive the mail established to the device through the AEMM console. The aforementioned section is located in the devices module as a single command and bulk command.
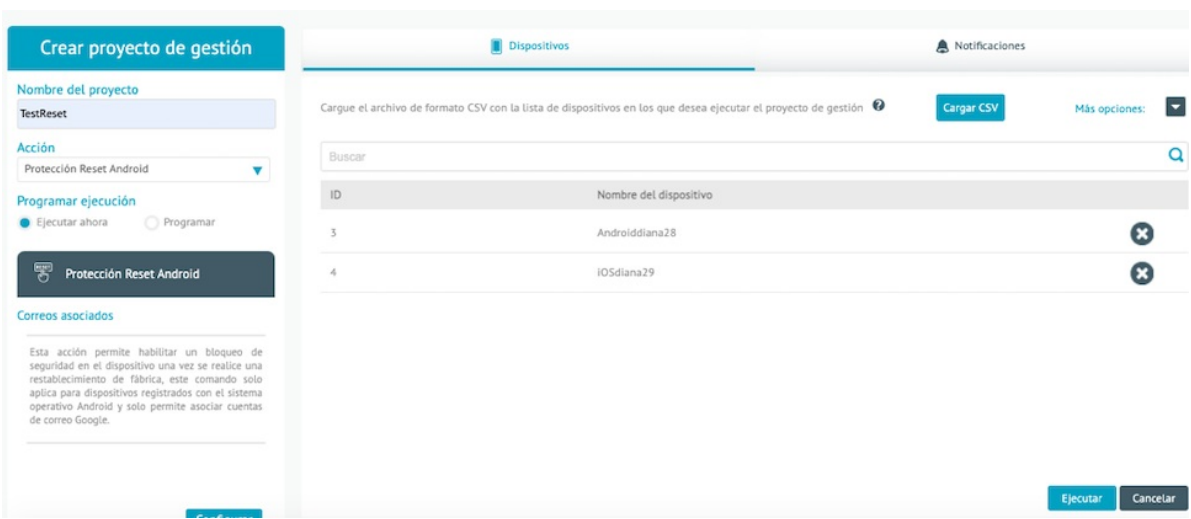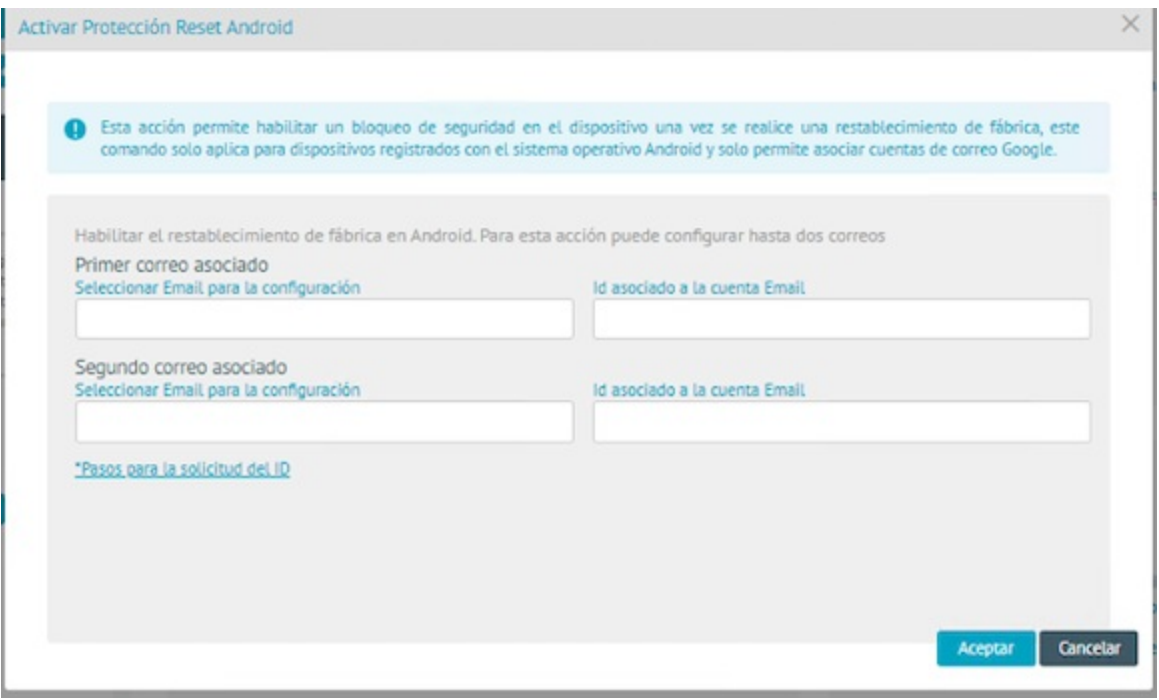
- Devices Module:

Single Command
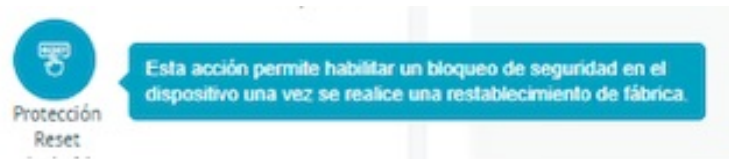
Bulk commands

- Devices Module: Management Projects

- Modal where the configuration of the emails is made: Remember: This action allows you to enable a security lock on the device once a factory reset is performed, this command only applies to devices registered with the Android operating system and only allows you to associate Google email accounts.

For more information, please consult the AEMM documentation portal at the following link:

Module	Functionality
Devices	+ [Factory reset protection for android](#)

New Linking Architecture

New Linking Architecture

A change is being developed in the authentication and linking architecture in device agents, implementing unit tests and protected with the Feature Flag technique. The above in order to improve the user experience and improvements in technologies that provide optimization in processes.

Product Enhancements

Console

- Improvements in income through other providers.
- LDAP module improvements are made in its operation.
- Optimization in the updating of data in CMDB (CI).
- Improvements have been made to the reporting module.
- Improvements to app syncing.

Agent

- Improved granting permissions on android devices 13.
- Restriction on the configuration of emails in the play store, on android devices 13
- Optimization adjustments are made to kiosk settings on android 13
- The recents key in kiosk mode from android 13 knox agent is restricted for security breach.
- Improvements in the operation of content management, when granting permissions on android devices 13

Databases

- Database performance improvements.
- Optimization in querying information from the devices module

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.7.2.18.
- AEMM is released with testing in the 9.5.35 unified database.
- Starting with version 9.25.0, the console will only support agent versions greater than or equal to 9.24.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is necessary for the remote control process that the server has the following C distributables installed:++:

Note	Product Version	Commons	Unified BD Version
AEMM	V 9.27.0	9.7.2.18	9.5.35

Requerimientos

Para llevar a cabo la instalación de Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, con una base de datos nueva, tenga en cuenta lo siguiente:

1. A partir de la versión 9.16 la base de datos está unificada con los demás productos de Aranda y a nivel del instalador no se creará la base de datos. Para el despliegue se cuenta con la herramienta Aranda Data Base Tools (DBtools). 2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.
- The process of uploading applications through .apk file is affected when the console is hosted in an Azure App Service, this is because the Azure libraries that are currently used for the loading of applications, do not have due control of the generation of the hash that is created to identify the uploaded file (.apk) in a storage account (for the console that is in an AppService, you need to set up a cloud storage account for it to function properly.)

Installers 9.27.0

UpdatePack 9.27.0

Download links

- [Aranda.MDM.Web.Installer.9.27]

Release Notes AEMM 9.26.0

Duplicate rules and policies

CHG-30140-19-300757

During the process of creating rules and policies, the need to duplicate existing ones in order to reduce time in their configuration is evident.

The duplicate option is implemented in the 2 sections of the console, for more information consult the AEMM documentation portal at the following link:

Module	Functionality
Rules	+ [Duplicate Rules](#)
Policies	+ [Duplicate Policies](#)

Bulk user import

Configurations module improvements

Some customers do not work with active directories and therefore cannot perform user synchronization.

Bulk Import of Users via .csv File is implemented. For more information, please refer to the AEMM documentation portal at the following link:

Module	Functionality
Users	+ [Bulk user creation](#)

Restriction to add accounts in the Play Store

CHG-28168-19-300635 Policy Module Enhancements

Optimization is implemented in the Policy module, in the Constraint section, to include the **"Add accounts in the google play store"**, supported by Android platform linked devices on: *PO, DO, Google Play, > 80970100*

To learn about the configurations that are made through the policies, you can consult the AEMM documentation portal at the following link:

Module	Functionality
Politics	+ [Policy Settings](#)

## Auditing AFW Activation and Deactivation Events in Applications

PM-29640-19-200811

In the application module, the user imports the applications from the Google Play Store and when selecting the app and activating the Android For Work (AFW) property, the following actions will be activated:

1. The application can be massively installed on the devices
2. The application can be viewed from the play store of the devices.

When you turn off the **AFW** Mass deletion is performed on devices and will not be visible in the devices' Play Store.

An improvement has been implemented in the console activity log, where the administrator will be able to view the activation and deactivation of AFW in applications; since the action has a massive impact and can trace the activity. In this record you will be able to see the action performed, date, time, user and the name of the application on which you performed the action.
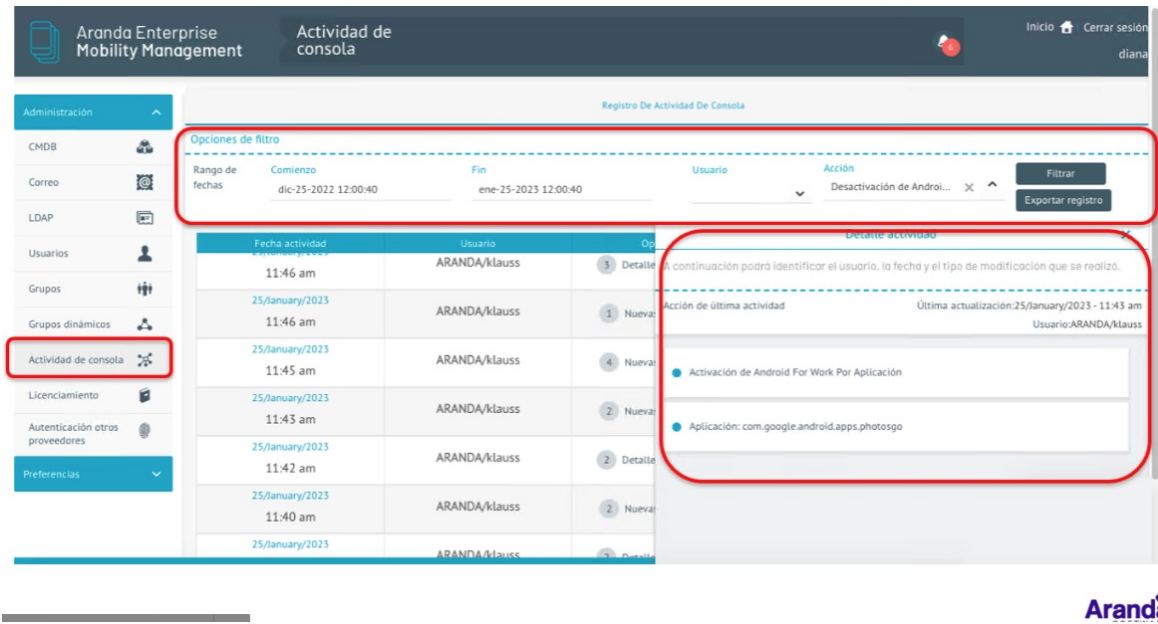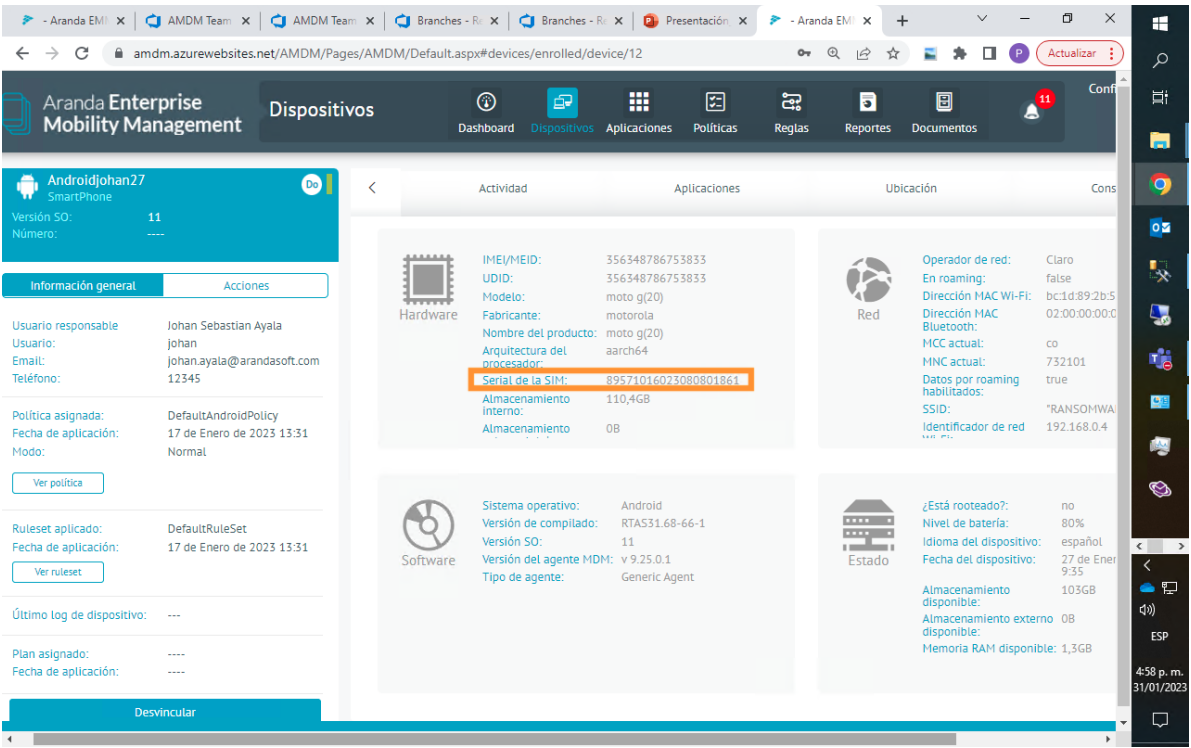

Serial Addition of SIMM Card in Device Features

CHG-29438-19-300723

The customer requests to include information from the SIMM serial number in the device's resume. This field is added to the device information and the data is recorded in the list of Excel devices exported by the console administrator; It is illustrated below in the images:

Module	Section
Devices	Device Resume, Tab General

Module	Section
Devices	Device listing, more options Export

App sync view improvements

Improvements in the application module

Improvements are implemented in the view of synchronized devices, now you will be able to view a list with the detail of how many and which devices have pending synchronization. Below are some descriptive images:

Overview

In this section, the console administrator will be able to view the general information of the application synchronization process in the play store of the devices and thus know the total number of devices to be synchronized, synchronized and pending to be synchronized
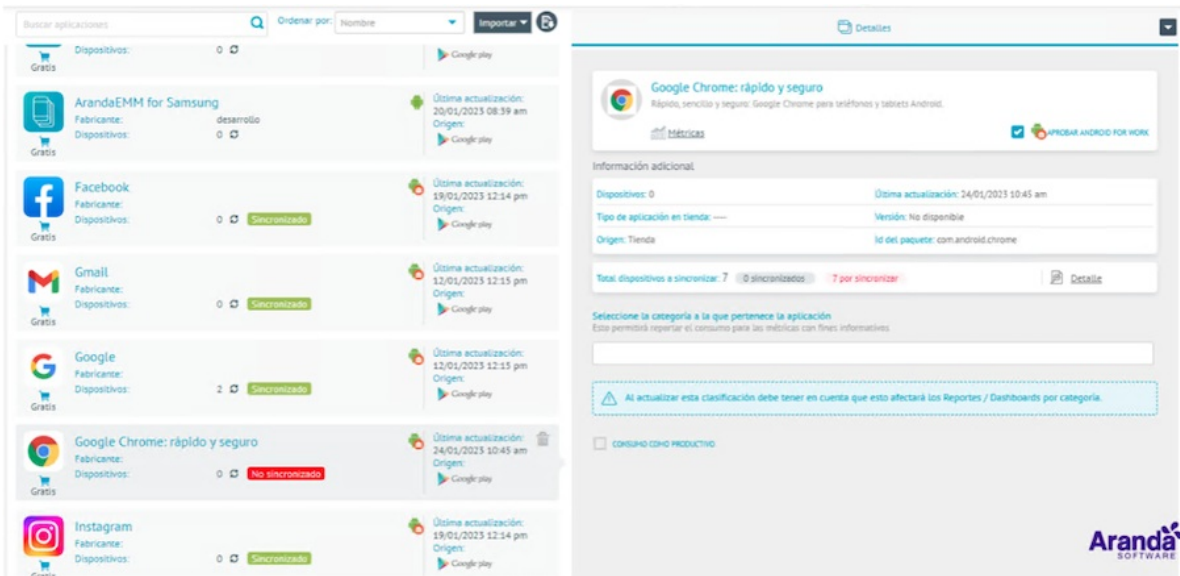
Specific Information In this option you can consult the specific information of the synchronization process and when you select Detail identify the number of devices and the summary list of the unsynchronized devices
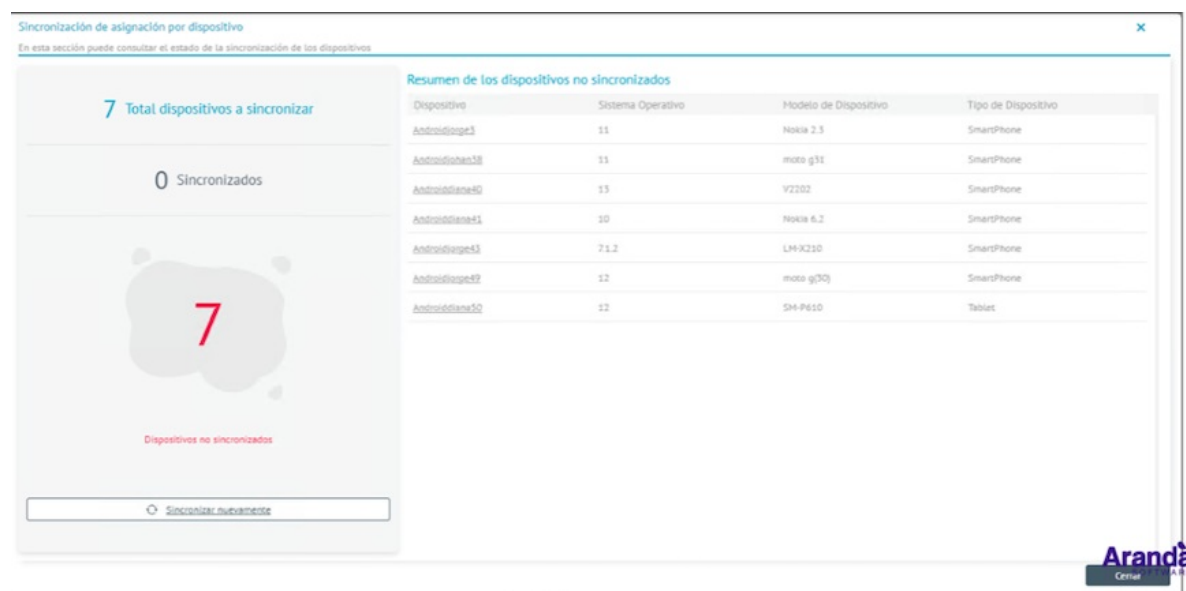
Tracking Configuration Reports

Reports module improvements

A report is developed in which the console administrator will be able to view the tracking settings on the devices. In this report, the administrator can see the percentage of follow-up frequency: high, medium, low, or no follow-up. In the same way, the type of tracking by command or by policy (custom configuration - by schedule).

Implementation of PUSH service improvements

PM-34753-19-201039

The PushServer web application is modified, so that the configuration of the security certificate is taken at the Azure security level (WAF).

This change was necessitated by improvements to the security infrastructure in the applications

Product Enhancements
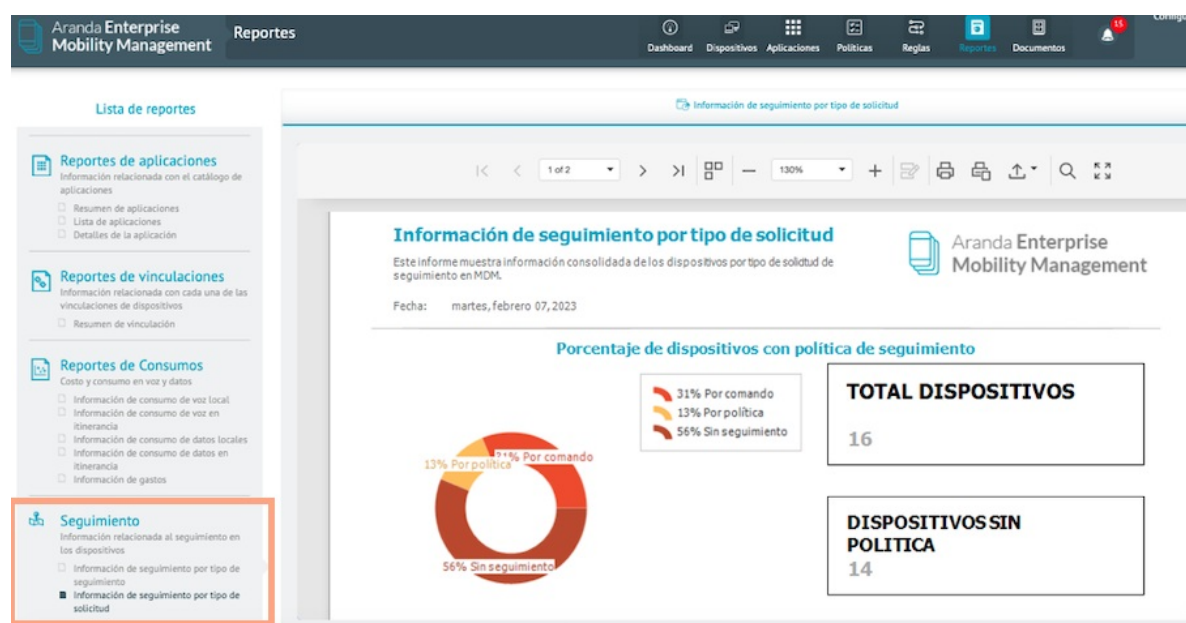
Console

- Setting so that the user does not delete default windows policy from the settings.
- Adjust web linking latest versions of iOs.
- LDAP module is implemented in REACT and improvements are made to its operation.
- Optimization in code refactoring (Dependency injection).
- Improvement is made in the assignment of plan management from the project management module.
- Improvements to the export of files for console activities.
- Improvements are made to uninstalling apps by updating Google's policy.
- The handling of cookies in the Firefox and Edge browsers has been optimized.
- Optimization in the activation of lost mode in Mac chrome.

Agent

- Updating Knox Agent in kiosk mode.
- Improved granting permissions on BLUETOOTH Devices (android 12).
- Optimization is made in the synchronization from the agent in kiosk mode.

Databases

- Database performance improvements.

Optimization of database maintenance procedures

PM-30916-19-200891

Evaluation of the option of a task at the tool level was required for debugging the AMDM_DEVICEEVENT table.

Improvements are made to the application's database maintenance procedures so that it only saves 3 months' history.

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.7.2.14.
- AEMM is released with tests in the 9.5.33 unified database.
- Starting with version 9.25.0, the console will only support agent versions greater than or equal to 9.24.0 (Android) and agent 9.20 (iOS).
- **Important** It should be noted that products that use common version greater than or equal to 9.7, the environment must have the 4.8 framework installed
- **Important** It is necessary for the remote control process that the server has the following C distributables installed:++:

Note	Product Version	AQM Compatibility	Commons	Unified BD Version
AEMM	V 9.26.0	V 9.33.0.43	9.7.2.14	9.5.33

Requerimientos

Para llevar a cabo la instalación de Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, con una base de datos nueva, tenga en cuenta lo siguiente:

1. A partir de la versión 9.16 la base de datos está unificada con los demás productos de Aranda y a nivel del instalador no se creará la base de datos. Para el despliegue se cuenta con la herramienta Aranda Data Base Tools (DBtools). 2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.

- For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Known Errors

- In the "Device List" reports, the calendar exceeds the display limit.
- The process of uploading applications through .apk file is affected when the console is hosted in an Azure App Service, this is because the Azure libraries that are currently used for the loading of applications, do not have due control of the generation of the hash that is created to identify the uploaded file (.apk) in a storage account (for the console that is in an AppService, you need to set up a cloud storage account for it to function properly.)

Installers 9.26.0

UpdatePack 9.26.0

Download links

- Aranda.MDM.Web.Installer.9.26

Release Notes AEMM 9.25.3.1

Product Enhancements

AEMM General Adjustments and Improvements

- Update in CSP (content security policy) policies that did not allow web linking of iOS devices
- Update in the list of iOs devices allowed for web linking (Validation in safari for the installation of the profile).
- Common 9.6.5.16 update.
- Fixes necessary for the correct functioning of the apns file upload (necessary for ios linking).

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.6.5.16.
- AEMM is released with tests in the 9.5.31 unified database.
- Starting with version 9.25.0, the console will only support agent versions greater than or equal to 9.24.0 (Android) and agent 9.20 (iOS).

Requirements

To install Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.25.3

UpdatePack 9.25.3

Download links

- Aranda.MDM.Web.Installer.9.25.3

Release Notes AEMM 9.25.2.1

Google EMM API Update

Install Google EMM API Apps

The current method will be retired on December 31 **installs.update**

The way to submit to install an application is by using the device policy policy.productPolicy.autoInstallPolicy with the force-update parameter.

Drawbacks that can be found:

Constantly sending multiple installation commands to a device can lead to synchronization issues.

Removing the installs.update method updates the dll **Google.Apis.AndroidEnterprise.v1** to version: **1.57.0.2757**

Product Enhancements

AEMM General Adjustments and Improvements

- Improvements to license assignment through VPP (Volume Purchase Program)

Additional Notes or Instructions

Considerations

- AEMM is released with common version 9.6.5.8.
- AEMM is released with testing in the 9.5.30 unified database.
- Starting with version 9.25.0, the console will only support agent versions greater than or equal to 9.24.0 (Android) and agent 9.20 (iOS).

Requirements

To install Aranda ENTERPRISE MOBILE MANAGEMENT AEMM, with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

⚑ **Note:** You can find this latest official Database Version 9.5.30 package in official release path. In the same way, this version is compatible with common version 9.6.5.8

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Installers 9.25.2

UpdatePack 9.25.2

Download links

- Aranda.MDM.Web.Installer.9.25.2

Release Notes AEMM 9.25.0

Understanding Implemented Changes

CHG-27575-19-300576

Adjustments are made in the global settings section of the Settings module, which allows the operations area to be notified and/or alerted when the tracking exceeds a number of messages per minute.

To do this, a task was implemented for AEMM multitenant that calculates with the number of devices and the current tracking configuration, the number of messages per minute, if it exceeds a limit, it sends an email to an email that is registered directly in the database within the settings table.

The calculation is made with the number of devices that have the tracking and with the number of messages that are being generated by the distance/current time configuration of the global configurations.

The values of the seed variables involved in the notification process are as follows:

MessagesByMinuteTracking: A seed parameter that contains the number of messages allowed per minute of tracking


```
Select * from AFW_SETTINGS where sett_key='MessagesByMinuteTracking'
```

EmailNotificationTracking: A parameter that sets the email to which each reported trace event will be notified.


```
Select * from AFW_SETTINGS where sett_key='EmailNotificationTracking'
```

AMDM_NotificationTrackingTask: A task that runs validation when the number of messages has been higher than the configured parameter.


```
Select top 100 * from afw_scheduler where sche_name='AMDM_NotificationTrackingTask'
```

For more details, please refer to the documentation for:[Global Settings](https://docs.arandasoft.com/aemm/pages/04-preferencias/07-configuracionesglobales.html).|

<h1 id="section-00e">Product Enhancements</h1>

AEMM General Adjustments and Improvements

- Adjustments needed to improve agent performance in kiosk mode.
- Improvements in the processing of Alerts generated with the rules.
- Adjustments needed to improve the generation and storage of remote control videos.
- Settings to improve the process of activating a company in Android for Work
- Settings in device agents Android 13 compatibility (Samsung, Generic, and LG Agents)

<h1 id="section-00d">Additional Notes or Instructions </h1>

Considerations

- AEMM is released with common version 9.6.5.8.
- AEMM is released with tests in the 9.5.29 unified database.
- Console version 9.25.0 will only support Agent versions 9.24.0 or less (Android) and Agent 9.20 (iOS) at least.

Requirements

To install Aranda ENTERPRISE MOBILE MANAGEMENT AEMM with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

> ⚑ **Note:** You can find this latest official Database Version 9.5.29 package in official release route. In the same way, this version is compatible with common version 9.6.5.8
> {: #important}

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.
- AEMM is released with common version 9.6.5.8.
- AEMM is released with tests in the 9.5.29 unified database.
- Console version 9.25.0 will only support Agent Versions 9.25.0 or less (Android) and Agent 9.20 (iOS) at least.

<h1 id="section-00f">Installers 9.25.0</h1>

UpdatePack 9.25.0

Download links

- [Aranda.MDM.Web.Installer.9.25.0](https://download.arandasoft.com/wp-1/aranda-9/AMDM/Aranda.MDM.Web.Installer.9.25.0.4.exe)

Release Notes AEMM 9.24.2

<h1 id="section-075">Understanding Implemented Changes</h1>

Mail Server with OAuth 2.0 configuration:

Improvements are implemented in the configuration process for the mail server, allowing the user to select the type of authentication that is required, in which we find:

- Basic configuration.
- OAuth 2.0 Configuration

|For more details, please refer to the documentation for:[Mail Server](https://docs.arandasoft.com/aemm/pages/03-administracion/01-integracionempresarial.html).|

<h1 id="section-074">Additional Notes or Instructions </h1>

Requirements

To install Aranda ENTERPRISE MOBILE MANAGEMENT AEMM with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

You can find this latest official Database Version 9.5.26 package in official release route. In the same way, this version is compatible with common version 9.6.3.11

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
- iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Release Notes AEMM 9.24.1.3

<h1 id="section-07b">Google Play EMM Api</h1>

Relevant changes are made to AEMM, taking into account the disabling of some features by the Google Play EMM API.

The adjustments are made in order not to affect the current use of Android for work functionalities that involve elements such as: Managed configurations, Android application approval and application installation.

Syncing functionality has been implemented to make it easier to migrate approved applications to the new functionality. This deployment will show the number of devices that migrated and the devices that did not.

<center><img src="/aemm-release-notes/en/assets/images/9.24.1.3/001.png"></center>
To speed up the automatic synchronization process, a button was implemented that helps to execute the action manually.
<center><img src="/aemm-release-notes/en/assets/images/9.24.1.3/002.png"></center>

<h1 id="section-07d">Application Cluster</h1>

As a result of the changes made to the EMM API library by Google, the application cluster functionality is radically affected, this functionality will be inactivated from Google and will not be replaced by any functionality instead, therefore, in the new version of AEMM of Aranda it will not be available either.

<center><img src="/aemm-release-notes/en/assets/images/9.24.1.3/001.png"></center>

<h1 id="section-07c">Additional Notes </h1>

Change in the Application Module Menu

Functional-level adjustments are made to the navigation of the options in the Application Module. In the current version, you will be able to access a drop-down menu that makes it easy to locate each of the sections.

- Adjustments are made at the functionality level of the options of the application module, the way of navigating through each of these options is changed that was previously done through tab functionality; In the current version we can view it through a drop-down menu that makes it easier to locate each of these options

<center><img src="/aemm-release-notes/en/assets/images/9.24.1.3/003.png"></center>
- General adjustments to remote control functionality for file management, allowing for improved performance in the remote control process on Knox devices.

Release Notes AEMM 9.24.0.9

<h1 id="section-044">Display the last position of the device</h1>

CHG-27577-19-300107:

It is required to display the last position of the device without the need to send the request again; In case of loss or theft, the execution of the command may not have the positive results and you do not know the last location.

Be able to configure device tracking from the policy and not have to do it device by device.

<h1 id="section-046">Restrict Editing of Global Configurations in Multitenant Environments</h1>

CHG-27577-19-300577:

In multitenant AEMM environments, it is required to restrict customers from being able to edit the settings of Global configurations. This should only be editable by Aranda operations.

The following script that allows you to update records in the AFW_SETTINGS table for global configurations. Replace the value of the @valorSetting variable with one from the following list:

A script that allows records to be updated in the AFW_SETTINGS table for global configurations that are handled in AMDM
 Replace the value of the @valorSetting variable with one from the following list (please put only the name of the parameter and not the description):
Application Maintenance Section:

+ DatabaseRecordsKeepingDays: Days to maintain old records in database (minimum value 30, maximum value 120)
+ DeleteOldRegistersDays: Days to delete previous records in database (minimum value 0, maximum value 120)
+ CleanRemainingDaysMetricsDevice: Days to delete previous records from in-database application metrics (minimum value 30, maximum value 120)
+ CleanRemainingDaysHealthDevice: Days to delete previous device status records in database (minimum value 30, maximum value 120)

Tracking Settings section:

+ AmountTrackingRecords: Number of Tracking Records (minimum value 20, maximum value 200)
+ HighAccuracyDistance: Distance in meters at high precision (minimum value 50, maximum value 10000)
+ HighAccuracyTime: Time seconds in high precision (minimum value 20, maximum value 86400)
+ MediumAccuracyDistance: Distance in meters in medium precision (minimum value 50, maximum value 10000)
+ MediumAccuracyTime: Time in seconds at medium precision (minimum value 20, maximum value 86400)
+ LowAccuracyDistance: Distance in meters at low precision (minimum value 50, maximum value 10000)
+ LowAccuracyTime: Time in seconds at low precision (minimum value 20, maximum value 86400)

{

DECLARE @valorSetting VARCHAR(80) = " /* Por favor agregar el valor del setting en esta variable (dentro de las comillas) / DECLARE @setting VARCHAR(80) = " / Por favor agregar el nombre del setting en esta variable (dentro de las comillas) */

IF(@valorSetting <> " AND @valorSetting IS NOT NULL AND @setting <> " AND @setting IS NOT NULL) BEGIN UPDATE dbo.AFW_SETTINGS SET sett_value = @valorSetting WHERE sett_key = @setting AND sett_application_id = 33 AND sett_value <> @valorSetting END ELSE BEGIN PRINT 'Por favor poner valor a las variables @valorSetting o @setting.' END

```
<br />
<br />
> 🏳 **Note:** Application monitoring and maintenance configuration data can only be changed by database administrators in multitenant environments.
> {: #important}
<br />
<br />

<h1 id="section-048">Backup Restrictions and Tracking from Policies</h1>

+ <a href="https://docs.arandasoft.com/aemm/pages/09-politicas/03-configuracion.html"> Monitoring from Policies</a>

PlayStore

+ The option to add personal accounts to the play store settings is restricted. The only authorized account is the one managed from the AEMM console.

<center><img src="/aemm-release-notes/en/assets/images/9.24.0.9/img1.png"> <img src="/aemm-release-notes/en/assets/images/9.24.0.9/img2.png"> </center>

<h1 id="section-045">Bug Fixes</h1>

+ Adjustments are made when sending bulk application installation commands through a plan.
+ Adjustments are made when consulting the update process of a management project.
+ Adjust sending sound command from the location tab of the device's resume.
+ The sending of emails at the end of a management project is improved.
+ Adjusts the two-factor authentication process when updating APNs.
+ The cancellation process for a policy is adjusted when it is pending.
+ Adjustments are made to the paginations in the configuration sections.
+ It adjusts sound command on iOS.
+ Adjusts the processing of profile commands in iOS in classic linking.
+ Permissions are set for folders created in the Documents module.
+ The APK installation completion process is adjusted.
+ Device status search is adjusted.
+ Consultation of management projects is improved.
+ LDAP authentication is adjusted.
```

+   The Cruncher is adjusted for the display of files in C and Storage.
+   Adjusted the Lost Mode action for Android devices on OS versions higher than 11.
+   Adjusted DO pairing of Android 12 devices.
+   Remote control command sending is adjusted in PO.
+   The process of deleting APK from console is adjusted.
+   The latitude and longitude points queried from the location module are adjusted.
+   Adjust pairing of devices with Android 7 with Knox agent.
+   Adjusts the sending of policies sent through dynamic groups.
+   The Policy Finder is adjusted to display results correctly.
+   Adjustments are made during iOS agent pairing when it is already installed.
+   Adjustment of pairing in Android 12 allows you not to allow twice with the same device.
+   Improved sending of events sent from devices to the console.
+   The process of generating backup of devices has been improved.
+   The tracking event sent to the device has been improved.

<h1 id="section-047">Additional Notes or Instructions </h1>

Requirements

To install Aranda ENTERPRISE MOBILE MANAGEMENT AEMM with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

You can find this latest official Database Version 9.5.26 package in official release route. In the same way, this version is compatible with common version 9.6.3.11

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

-   For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
-   Deploying the database for a new console must be done with the latest version released.
-   Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
-   For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
-   iOS devices to be paired via ABM must be previously entered in supervised mode and in the ABM console.

Release Notes AEMM 9.23.0.142

<h1 id="section-039">Number on the Device Resume</h1>

CHG-22950-19-300421:

Add the phone number of the simcar to the device's resume.

-   RF-27309-19-416622: File Processing
-   Related to the cruncher optimization already implemented.

<h1 id="section-037">Addons, installable package to extend control functionality </h1>

Installable package that the generic agent uses to extend control functionality and requirements for available LGE and Cyrus vendors.

-   **Configuration**: The configuration must be made to the storage server where the adons are to be hosted, this configuration is done from the database in table afw_settings, as shown below:

<center><img src="/aemm-release-notes/en/assets/images/9.23.0.142/afw_settings.png"></center>

select * from afw_settings

where sett_key _"AdonsContainer"

In the sett_value field you will find a json which houses the following data:

Field	Description
Variables	Description
type	Guy
Camconnectionstring	Connection to storage
containername	Folder Name
Field	Description

Example:

{

"type":"1",

"connectionstring":"DefaultEndpointsProtocol=https;AccountName=aemmstorage;xxx",

"containername":"addons"

}

Field	Description
Type	You should note that the storage type is equal to one (1), as shown in the example above.
Connectionstring	The endpoint finds it in the connection string configured in your storage account. In the previous example it shows that the configuration was made from an Azure block storage, the variable data is found in access keys-> Connection string.
Containername	The name of the folder where the add-ons are hosted in the storage account. Remember that to save the addons the name must meet the following parameters: nombre_versión.extension (lge_1.0.apk)
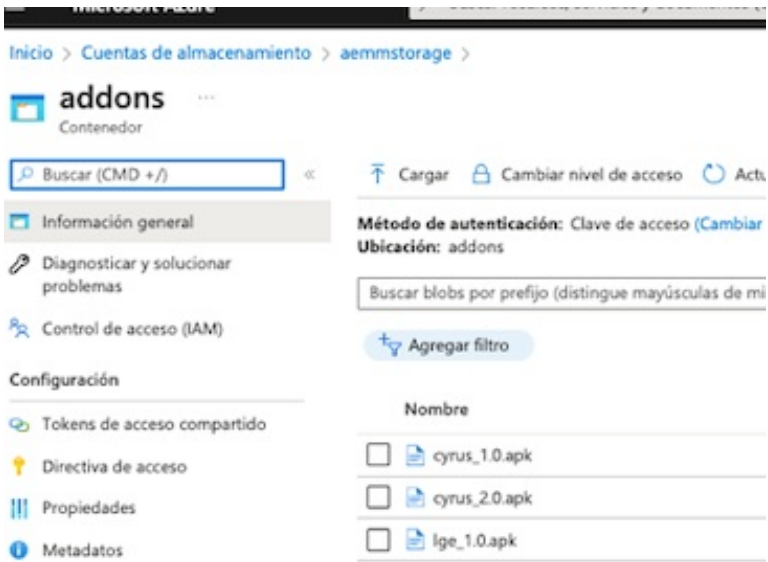
- When the tool obtains a connection with the unified remote storage account, it returns a list of addons, which will store and update the local cache of the list of addons, we can validate it in table AMDM_MOBILEADON, this table will only save the latest version of the addons.

```
25   Select * fROM AMDM_MOBILEADONS
```

id	name	url	version
1	cyrus	https://aemmstorage.blob.core.windows.net/addons...	2.0
2	lge	https://aemmstorage.blob.core.windows.net/addons...	1.0

- In the same way, it has configured a task that runs periodically to update the addon list which we find in table afw_scheduler; This table runs every 720 min, i.e. 2 times a day updating the local cache of the addon list.



```
20   select *
21   from afw_scheduler
22   where sche_task_id = 33066
```

sche_id	sche_name	sche_description	sche_frecuency_type	sche_recurse_every	sche_weekdays
1 73	AMDM_SynchronizeAdonsListTask	AMDM Sincronización de listado local de Adons de...	Interval	720	0

- Devices: When the corresponding configuration is made in the console and the device has the generic agent that includes this feature, the corresponding ADDON will be sent to be automatically installed on the devices according to the manufacturer to which it belongs (LG-Cyrus). Remember that the addon does not have a launcher but can be viewed in android-> applications-settings-> we can see the installed agent ArandaAEMM and the AEMM PLUS launcher
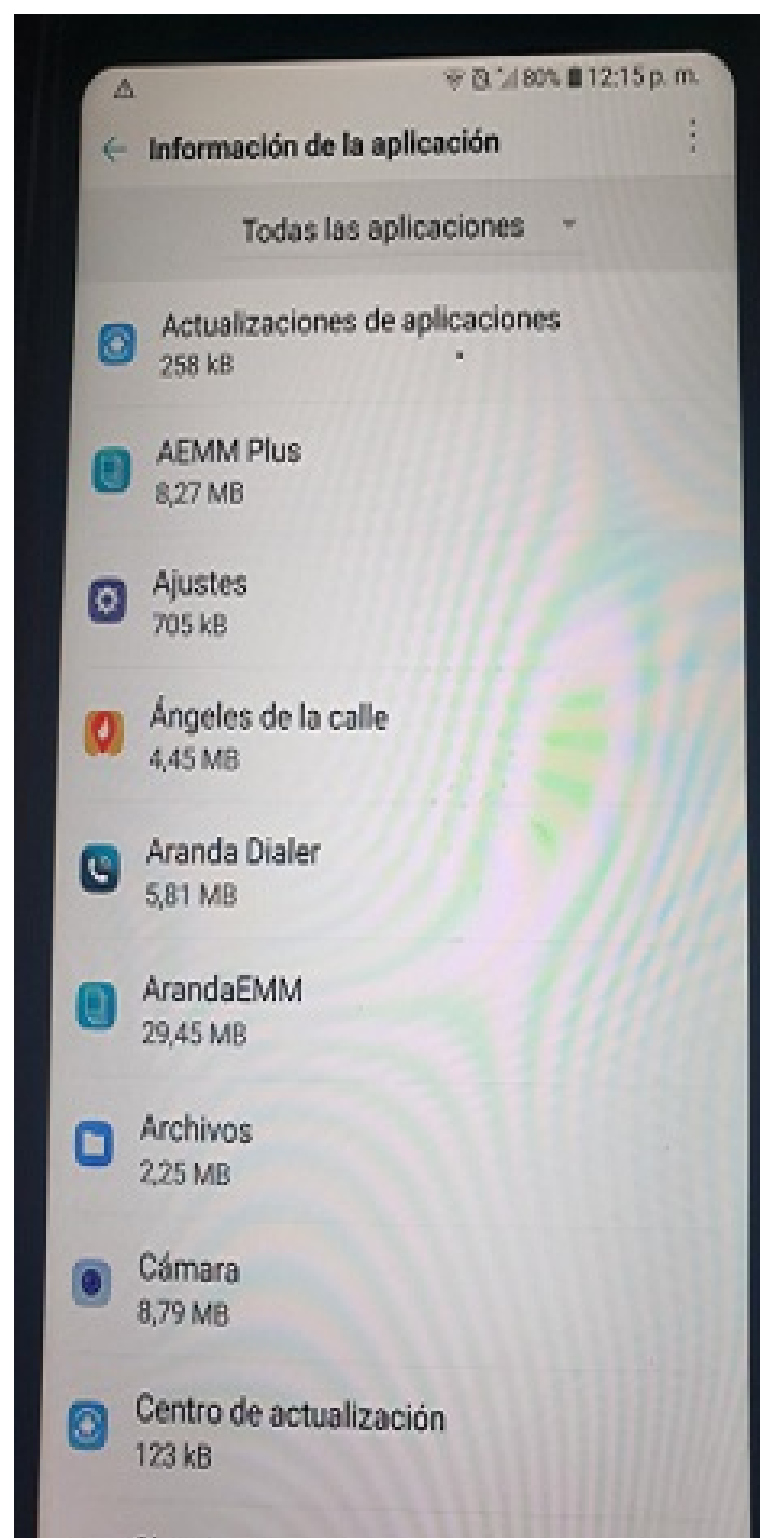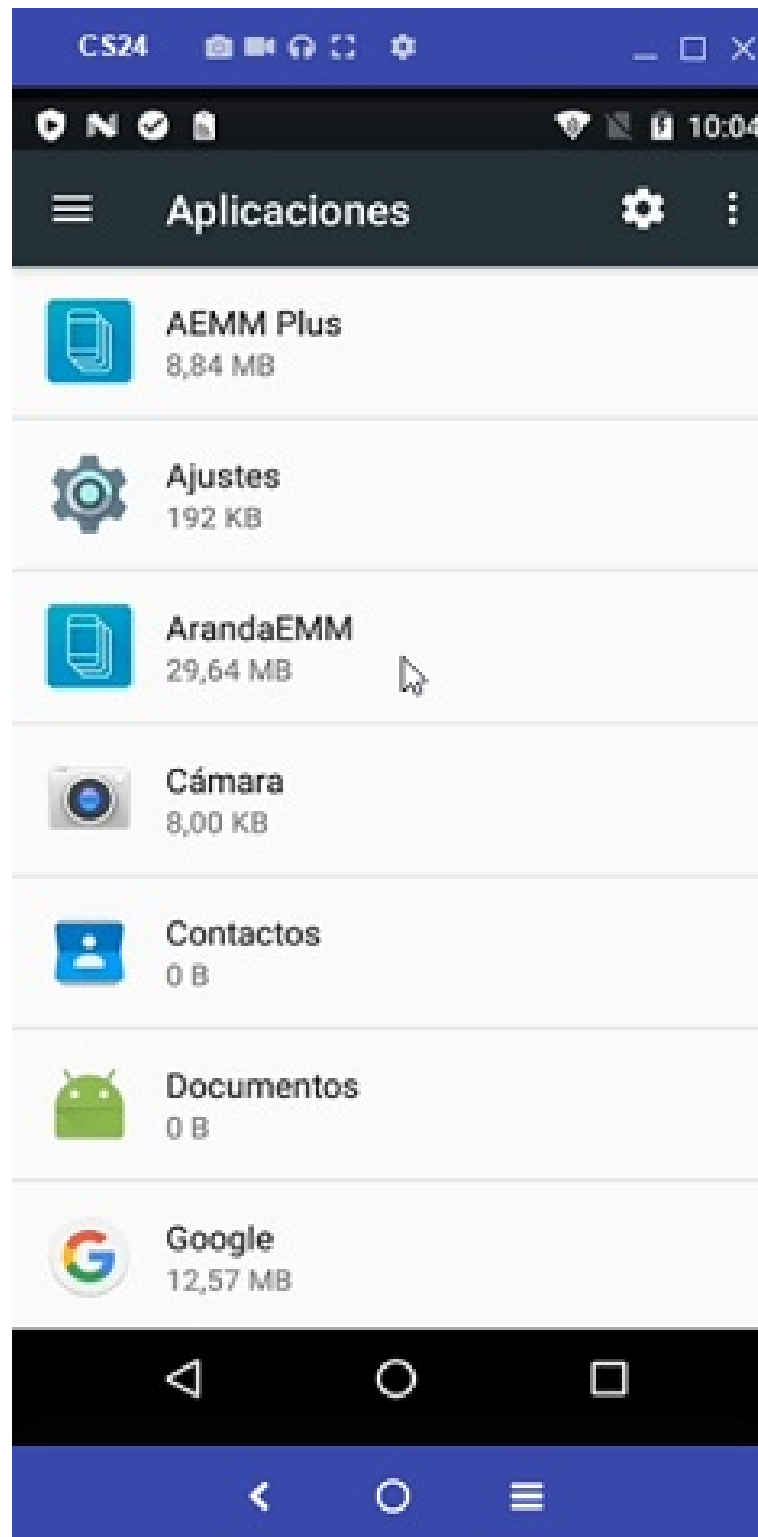
Cruncher Performance Improvements

This is the service that processes high-demand files.

1. Multi Instances for the cruncher: The ability of the cruncher to work in parallel on the same tenant is improved, in order to optimize the queue process, these crunchers can be created on demand.

2. Improvements in database processing: Database optimization is carried out in the following items:

- Most used tables
- Most used indices
- High-concurrency stored procedures
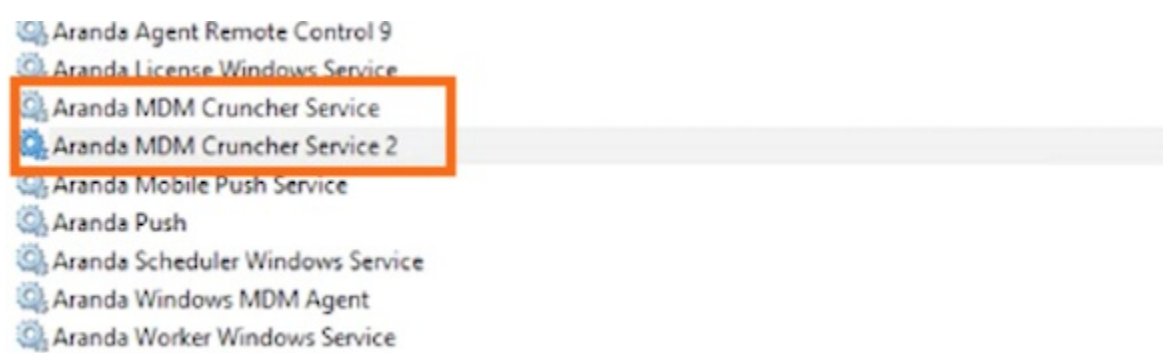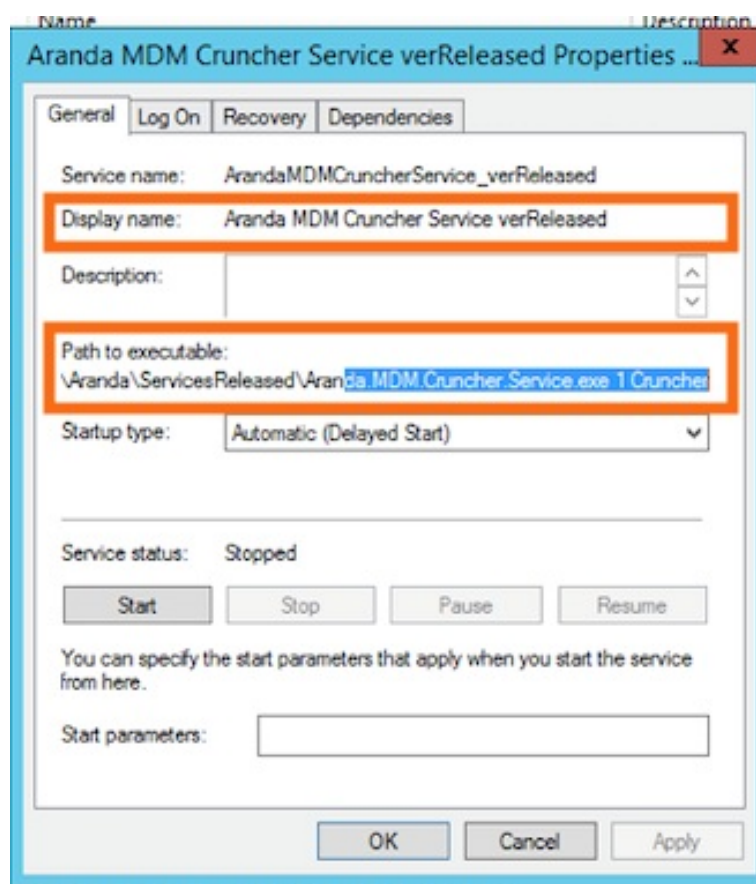
Fixed bugs

- PM-28048-19-200728
- Quick access sound from location doesn't send command
- Adjustment is made in web console to send the command

Additional Notes or Instructions

Requirements

To install Aranda ENTERPRISE MOBILE MANAGEMENT AEMM with a new database, consider the following:

1. From version 9.16 onwards, the database is unified with the other Aranda products and at the installer level the database will not be created. For deployment, the Aranda Data Base Tools (DBtools) tool is available.

2. According to the above, it is necessary to create the new database and update it using DBtools according to the structure and content that is in common with other Aranda products.

You can find this latest official Database Version 9.5.23 package in official release path. In the same way, this version is compatible with common version 9.6.3.3

Database migrated from version prior to 9.16

If AEMM is on a version earlier than 9.16, it is necessary to run the released migration script package within the official release folder.

- For the deployment of this version of AEMM as a totally new console, it must be taken into account that the installer of the console will NOT perform the creation of the database, for this it is necessary to make use of the DBTools tool.
- Deploying the database for a new console must be done with the latest version released.
- Before downloading the mdm profile for iOS device pairing, either in the traditional way or through Apple Business Manager (ABM), you must have the APN certificate previously loaded into the console.
- For iOS, it is strictly necessary that, in the IIS, the load user Profile property that is within the respective Application Pool is set to true.
- iOS devices that are going to be paired using ABM must be previously entered into supervised mode and in the ABM console.

Product Enhancements

AEMM version 9.23.0.142 is released with the following changes and improvements to the Web application:

- Adjustments are made when sending bulk plan commands.

- The sound command sent from the resume location tab is adjusted.
- Mail sending is adjusted to finish a management project.
- Adjustments are made to two-factor authentication when updating the APN.
- Adjustments are made to the pending policies command at the time the policy is canceled.
- Mail sending is adjusted to finish a management project.
- Adjustments are made to profile commands during classic linking for iOS.
- Adjusts the permissions granted to folders in the Documents module
- Adjust the search filters in the Devices module
- Adjustments are made to SAML authentication.
- Optimized the lost mode command for Android 11.

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