Aranda Device Management

Learn about the latest releases of Aranda Device Management (ADM)

Here you can access the latest updates to ADM features.

Release Notes 9.22

Release Notes 9.22.0

ADM Software Classification

CHG-68617-19-301757

It is necessary to implement the functionality that allows identifying whether a software mapped by the tool is an application or a component.

The ADM console has been modified to split the information into the device detail, separating the 'Installed Applications' from the 'Installed Components'.

- [Software Details](#)

Enable Azure AD sync for ADM

CHG-73030-19-301863

ADM is required to implement the Enable Azure AD synchronization capability.

The transversal component of LDAP has been updated, which now allows, among its new functionalities, the synchronization of users and user groups using Entra ID, the new name of Azure Active Directory (Azure AD). Microsoft rebranded Azure AD as part of its strategy to rebrand the Entra family of products, focused on identity and access management. This transition to Entra ID ensures that while core functionality remains, there is a broader focus on identity management and security across multiple environments.

- [General Settings](#)

RAM modification alarm in ADM

CHG-68577-19-301756

It is required to add an alarm to notify each time a change is made to the RAM memory of a computer. The alarm should display the values (previous and new) of the memory.

Currently, there are alarms that indicate if the hardware has been removed or installed. To improve inventory control and management, functionality is needed that records changes in the value of RAM in detail. This will allow for more detailed and accurate tracking of hardware modifications.

A new rule is created for modified hardware in which an alarm is generated for changes in RAM memory with the corresponding tags for previous memory and modified memory.

- [Rules](#)

Problem with software download information

PM-70059-19-201898

In ADM, there is a software summary report that provides general information about the applications. However, the facilities field in this report does not match the information in the device filters.

An adjustment has been made to the Software Summary report so that the number of installs reflects the correct information.

Notification emails are not sent in ADM

PM-71087-19-201923

It has been detected that licensing notifications are not being sent correctly.

Adjustments have been made to the ADM console to ensure that notifications generated by licensing are sent correctly.

License Assignment

PM-72771-19-201956

It has been observed that some of the computers to which the agent is installed are not receiving automatic licensing.

To address this issue, a setting has been made in the ADM console so that when you install the agent on a device, the available license is automatically assigned when you submit the first inventory.

Error adding groups in policy, "All" filter

PM-72849-19-201959

An error was reported when adding one or more groups to a policy in the ADM console when the "All" filter is applied.

To address this issue, an adjustment has been made to the "All" filter to ensure that the policy is applied correctly.

Policy assignment failure

PM-72953-19-201961

Policy assignment by device group is not working correctly, as none of the devices in the configured groups are receiving notifications.

Adjustments are made in the ADM console so that when you associate a device with a new policy, it is automatically disassociated from the old policy if it is linked to a group. In addition, the device would receive the notification about the new associated policy.

Software installation date in ADM does not match the actual device installation date

PM-74706-19-202019

An issue occurs in the ADM console because the Software Installation Date in ADM does not match the actual installation date of the device.

The ADM console has been modified to split the information into the device detail, separating the 'Installed Applications' from the 'Installed Components', adjusting the installation date.

Problem in inventory processing.

PM-74747-19-202021

An issue occurs when processing hardware and software inventory on some machines.

An adjustment is made in the ADM console so that all inventories are processed correctly.

Incorrect discovery date

When viewing the device details, the discovery date changes based on the system date.

The ADM console is set to correctly display the discovery date.

Duplication of slot_id within AAM inventory

It is evident that the agent is processing the same slot id 2 times, generating an error when processing the AAM inventories.

The ADM agent is adjusted to correctly map the id and cruncher to process the inventories of previous agents.

Problems with AAM inventory processing

A new addition to AAM extension inventory processing is introduced.

The cruncher is adjusted to process inventories without a manufacturer on the network card, as well as inventories of devices without a responsible user. Logs are adjusted to provide more information about failing inventory. inventory that fails.

Identity Identifier in ADM only allows URL entry

In the external authentication provider settings in ADM, when saving the configuration it is only possible to enter a URL-formatted value in the Identity Identifier.

The ADM console is adjusted to enter a value in a different format.

Problem with local user information on a computer

The display of detailed information about a local user (disabled or enabled) on an ADM-registered computer is displayed incorrectly.

The ADM agent is tuned to bring in users' information correctly.

Inventories of discovered equipment with names longer than 40 characters

There are computers that are attempted to be discovered by SNMP and their name contains more than 40 characters, these computers are not processed in the discovery inventory because the database does not support this number of characters.

The ADM console and database are set to accept more than 40 characters in the name.

Device type ADM is not displayed correctly.

PM-77424-19-202097

It validates that the device type filter in ADM is not being listed correctly, as it is not listing all device types that are linked to the tool. The step-by-step replication of the problem is performed. Evidence is attached.

The ADM console is set to display the filter correctly.

Description of changes and improvements implemented

Discovery Functionality

The new functionality that allows the bulk import of IP ranges via CSV files is implemented, simplifying and streamlining the address management process.

[Bulk import of IP ranges](#)

In version 9.22, after the environment update, and in a range of 1 to 2 days, you will have the possibility to access preloaded information from various manufacturers, models and rules, along with their respective OID. This enhancement offers the following benefits:

Quick Access: It allows users to obtain relevant information immediately, avoiding the need for manual search. Data Update: The availability of pre-loaded information ensures that the data is current, improving decision-making based on the latest information.

[Discovery- Manufacturers](#) [Discovery- Models](#) [Discovery- Rules](#)

The MibBrowser component is released, a tool designed to facilitate the management of network devices through the SNMP (Simple Network Management Protocol) protocol.

MibBrowser allows you to compile and visualize MIBs (Management Information Bases), which are datasets that contain critical information about OIDs (Object Identifiers). These identifiers allow us to access and query specific information about various devices, such as routers, switches, and printers.

Updating Cross-cutting components

The view is migrated to React components for the following functionalities, with a more modern design and adaptable to the size of the screen, thus improving the user experience

General Settings

1. Users
2. External Authentication

3. API Configuration
4. Directory Services (LDAP): The Microsoft Entra ID provider is added, and through the internal Aranda provider, you can configure specifications for password policies related to access to Aranda. You can also optionally enable reCAPTCHA, which is a security system developed by Google, designed to protect websites from bots and spam. Its main function is to distinguish between human users and automated programs, and it currently supports the reCAPTCHA v2 and reCAPTCHA v3 versions.
5. Mail Server: Provider type is added for Google OAuth.

Para ver más detalles consultar la siguiente documentación:

- [General Settings](#)
- [reCAPTCHA Security Configuration](#)

Enterprise Integration

The view is migrated to React components for the following functionalities, with a more modern design and adaptable to the size of the screen, thus improving the user experience

6. Proxy server
7. EMMA Configuration

For more details, please refer to the following documentation:

- [Enterprise Integration](#)

ADM Login and Self-Management Portal

Login is updated for the web application and self-services, with a more modern design and adaptable to the size of the screen, thus improving the user experience

- [Login ADM](#)
- [Login Portal Self-Management](#)

Customizing the ARC Support Session Duration

A Parameter that allows customization the duration of the support session. Customization must be done in the database, applying an insert command (INSERT) as the example shown below.

Example configuration for a duration of 30 minutes:

```
INSERT INTO AFW_SETTINGS
(sett_key, sett_application_id, sett_value, sett_description, sett_project_id)
VALUES(N'ArcSupportExpirationTime', 36, N'30', N'Authorization Session Expiration Time for Support', NULL);
```

Applying the above command will also affect the duration of the remote.

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database.](#)
- [ADM Migration from 9.21.2 to Version 9.22.0](#)
- [Manual Conserver Update](#)
- [Updating the conserver through a Distribution project](#)
- [Automatic Agent Update](#), Console version 9.22 will only support agent versions 9.20 at least.

- ADM is released with common version 9.9.1.6
- ADM is released with tests in the 9.5.48 unified database

    ⚑ Note: Starting with this version 9.22.0, at least the SQL Server 2019 engine is supported.

Integrated projects:

- Aranda.ARC.Controller 9.5.0.1
- @aranda/aranda.remote.control: 1.0.1

    ⚑ IMPORTANT: - Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.

Limitations

- Update rules are not triggered
- A time-out error may be generated when loading some packages. (Try loading the package again.)
- Synchronization using Entra ID only allows you to import users and groups of users; Device synchronization has not yet been implemented.

Known Issues

- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.
- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente. En ocasiones windows intenta iniciar el servicio `ArandaConserverWindowsServiceV9` antes de los servicios propios requeridos del sistema operativo y se presenta una falla.

    Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización; por restricción del proveedor no es posible obtener esta información antes de descargar la actualización.

    Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

```
**Workaround**: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant**
(https://docs.arandasoft.com/adm-ts/en).
```

- If the device mapping is saved and the mapping information in the service directory is subsequently updated, the mapped information from the device filters will be deleted.

Workaround: Perform the service directory mapping configuration and then configure device mapping.

- When a Remote Control Support session with Aranda Remote Control (ARC) expires and the window is not updated, taking remote control launches the Specialist Viewer, but it closes immediately.

Workaround: Reload the page to update the information or reauthorize the support session.

Installers 9.22.0

UpdatePack 9.22.0

ADM Download Links

- Aranda.ADM.Web.Installer.9.22.0.exe
- Aranda.Conserver.Installer.9.22.0.exe
- Aranda.ADM.Utils.Installer.9.22.0.exe

Download link Discovery Agent

- Aranda.Discovery.Agent.9.22.0.exe

Download links Windows Agent

- Agente.Windows.9.22.0.exe
- Agente.Windows.9.22.0.msi. (Windows Agent Installer, use for Domain Policy (GPO) deployments only.) Deploy agent by Domain Policy (GPO).

Download links Agent MacOs

- Agent.Mac.zip
- Agent.Mac.app.zip

Windows Specialist Agent Viewer - (Remote Control)

- Agente.Especialista.exe

  ⚑ Note: Version 9.22.0 of the ADM Release Notes is compatible with the Database Version 9.5.48

  ⚑ Note: Starting with this version 9.22.0, at least the SQL Server 2019 engine is supported.

Release Notes 9.21

Release Notes 9.21.2

Does not allow you to disable notifications in package distribution

PM-60314-19-201689

It is identified that when entering the project distribution and trying to deactivate or delete the values configured in the notifications of a distribution, it does not allow this action to be performed. By deactivating notifications and saving changes, you will be able to see the success message. However, when you enter, the changes appear in the same way.

Adjustment is made in the ADM console; When you try to disable or delete the values configured in a distribution's notifications, the changes are applied correctly. When you save your changes and enter the project distribution option, the disabled values will no longer appear.

Wrong Device Type for M3-MAC Chip Devices

PM-64222-19-201764

On computers with a MAC M3 chip, the device type mistakenly recognizes laptops as station-type computers.

Adjustments are made in the ADM MAC agent to correctly recognize device types.

Error selecting main group tree in software distribution

PM-69699-19-201890

When you perform software distribution and select the main tree of a group, the distribution is not sent to the devices that are in the subgroups.

Adjusted the logic of the software distribution to include devices that fall within the subgroups of the parent group.

MAC-ADM Agent Installation Library Error

PM-70140-19-201901

Installation error occurs in MAC agent version 9.20.2403.1201 by in libc library++.1.dylib

Changes are made to the ADM MAC agent to remove dependencies that are not required in the installer.

Java 8 deployment issue

PM-70449-19-201910

It is not possible to deploy the Java 8 update to ADM using the Updates module.

For Java 8 versions, you need to authenticate to download the installer with extension (.exe). This functionality is not supported in ADM in the update module, but can be done through a software distribution project. The procedure is then documented.

[Troubleshooting](#)

Device Import Validation Failed

PM-70211-19-201904

It has been detected that the validation of the device import file for the agent distribution is not working correctly.

Adjustments are made to the file validation during the device import process, to allow the distribution to be carried out properly.

ADM's HW and SW inventories do not take the manufacturer of some components

PM-63717-19-201747

A number of hardware devices arrive without the corresponding information from the manufacturers.

Adjustments are made to the manufacturer information of the hardware devices so that the hardware devices are displayed correctly on the system.

Software Policy Restriction Failure - ADM

PM-69123-19-201884

A flaw in the configuration of software restriction policies has been detected. When these policies are applied to devices and they lose network connection for more than ten minutes, the applications that are part of the policy run normally, ignoring the restrictions set.

A setting has been made to the ADM console. Now, when these policies are applied to devices, if they lose network connection, application restriction policies will continue to be effectively enforced.

Device Location Error in ADM

PM-70687-19-201916

It has been identified that the location of the device is not registering correctly

Adjustments are made to the ADM console to allow proper display of the current location of the device in the shipment of hardware and software inventory.

Equipment Type Information in the ADM Report

PM-70691-19-201917

Currently, when exporting device information in ADM, the column corresponding to the Device Type is not displayed. In previous versions, this information was available in the report.

Adjustments are made to the process of exporting devices in ADM to ensure that the Device Type column is displayed correctly.

Manual uploading of inventory to ADM is not allowed

PM-71664-19-201936

It is not possible to upload devices through a CSV template manually, as the import fails.

A setting is made in the ADM console to allow device uploads using the CSV template.

Understanding Implemented Changes

Remote control

A menu has been added in ADM under global settings that includes ARC settings. This menu allows you to activate the remote control and download of the ARC agent in a simple way for Onpremises environments, in multitenant environments you can view the parameters but not modify them, the activation of the download of the ARC agent must be done by the infrastructure administrator, modifying the value of the EnableARC and DownloadARC parameters:

- Enable ARC Remote Control

```
SELECT * FROM afw_settings WHERE sett_key = 'EnableARC'

UPDATE afw_settings SET sett_value = 'true' WHERE sett_key = 'EnableARC'
```

- Enable or disable ARC remote control download

```
SELECT * FROM afw_settings WHERE sett_key = 'DownloadARC'

UPDATE afw_settings SET sett_value = 'true' WHERE sett_key = 'DownloadARC'
```

- [ARC Configuration](#)

ADM Agent Auto-Update

Automatic update of the ADM agent is implemented, which will be updated within one day of the ADM site update.

- [ADM Agent Auto-Update](#)

Improved Cloud ADM environments

- The option to install the Worker and Cruncher components through containers, and the Scheduler through Azure Functions is implemented. It also offers the ability to manage queues in Azure storage accounts, allowing efficient handling of messages and to-dos. This functionality makes it easy to implement event-driven architectures, where applications can process data asynchronously. In addition, by using Azure storage queues, you ensure reliable message delivery, system scalability, and the ability to handle load spikes without compromising performance. This integration contributes to greater flexibility and robustness in the design of cloud solutions.

MAC Agent

Version-compatible MAC agent is released SONOMA, Apple Silicon M1, M2, and M3 processors. [MAC Supported Versions](#)

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database.](#)
- [ADM migration from 9.21.1 to version 9.21.2](#)
- [Manual Conserver Update](#)
- [Updating the conserver through a Distribution project](#)
- [Automatic Agent Update](#), Version 9.21 of the console will only be compatible with agent versions 9.19 at a minimum.

- ADM is released with common version 9.9.1.6
- ADM is released with tests in the 9.5.47 unified database

  ⚐ Note: If you have the SQL version lower than 2019, run the following procedure for the [Database upgrade between version 9.5.40 to 9.5.47 SQL-2014](#), note that as of the next ADM release, SQL 2014 engines will no longer be supported; You must update, at least, to the 2019 version.

Integrated projects:

- aranda.avs.worker 9.6.2.8
- Aranda.ARC.Controller 9.4.2.8
- @aranda/aranda.arc: 9.4.2-11

  ⚐ IMPORTANT: – Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.

Limitations

- Update rules are not triggered
- Licensing rules do not run when the mail server has the OAuth authentication type, such as workaround configuring mail by Basic
- A time-out error may be generated when loading some packages. (Try loading the package again.)

Known Issues

- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.
- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente. En ocasiones windows intenta iniciar el servicio `ArandaConserverWindowsServiceV9` antes de los servicios propios requeridos del sistema operativo y se presenta una falla.

  Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización; por restricción del proveedor no es posible obtener esta información antes de descargar la actualización.

  Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

> **Workaround**: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant** (https://docs.arandasoft.com/adm-ts/en).

Installers 9.21.2

UpdatePack 9.21.2

ADM Download Links

- [Aranda.ADM.Web.Installer.9.21.2.exe](#)
- [Aranda.Conserver.Installer.9.21.2.exe](#)
- [Aranda.ADM.Utils.Installer.9.21.2.exe](#)

Download link Discovery Agent

- [Aranda.Discovery.Agent.9.21.2.exe](#)

Download links Windows Agent

- [Agente.Windows.9.21.2.exe](#)
- [Agente.Windows.9.21.2.msi](#). (Windows Agent Installer, use for Domain Policy (GPO) deployments only.) [Deploy agent by Domain Policy (GPO).](#)

Download links Agent MacOs

- [Agent.Mac.zip](#)
- [Agent.Mac.app.zip](#)

Windows Specialist Agent Viewer -(Remote Control)

- [Agente.Especialista.exe](#)

⚑ Note: Version 9.21.2 of the ADM Release Notes is compatible with the Database Version 9.5.47

⚑ Note: If you have the SQL version lower than 2019, run the following procedure for the **Database upgrade between version 9.5.40 to 9.5.47 SQL-2014**, note that as of the next ADM release, SQL 2014 engines will no longer be supported; You must update, at least, to the 2019 version.

Release Notes 9.21.1

Notification that identifies the software that has been installed on the computer equipment

CHG-58705-19-301594

The notification generated by the installation of new software only indicates that new software has been installed on the computer, without identifying which software was installed. Adding this functionality is required in ADM.

A new bookmark has been added to the device rules that allows, in actions such as alerting, sending mail and invoking webhook, to identify the name, version and manufacturer of the software that was installed on the device.

[Device Rules - Bookmarks](#)

Mass deployment of software using a CSV file

CHG-61758-19-301624

It is required to carry out a massive deployment of software through a CSV file that contains the information of the devices to be sent.

The option of importing devices from a CSV list to perform software distribution is implemented in ADM.

[Import devices into a CSV file](#)

Patch view failed with installed and non-installed filter

PM-63990-19-201754

When you check for an update and apply the 'installed' and 'not installed' filters, the update is displayed twice.

The 'installed' and 'not installed' filters on the updates screen are adjusted."

After the discovery process, the connections are not released

PM-22561-19-200504

It was identified that, in the discovery process, ports on the server are opened and these connections are not closed after the channel has been used.

Adjustments are made to the discovery agent so that at the time of the discovery process, it closes the ports used.

Failure to deploy English-language patches

PM-64439-19-201771

An error occurs when trying to deploy patches in English, since when downloaded, they are directed to the Spanish versions.

The query is adjusted so that when deploying patches, devices are associated with the corresponding language.

Update deployments with Vendor STDeploy.exe package failed

PM-64607-19-201776

The distribution of new updates fails because the package is STDeploy.exe outdated.

The Vendor SDK is updated to version 9.6.758, so that the new version of the STDeploy.exe package can be used

Problem with downloading failed patches from the Updates module - View Details

PM-66670-19-201814

A problem occurs when downloading update patches that initially generated an error in the patch module – View Details.This error does not occur if the download is done from the main view.

It is adjusted in the Patches module – View Details, downloading the patches that initially failed.

Update packages and software remain in the Running state

PM-66969-19-201833

Some executions are presented in a "Running" state that never finish or cancel the deployment process. The process begins only when the agent is restarted.

It was detected that the agent was blocked if a distribution had the commands that were not suitable for its installation and the user canceled the distribution project before 5 hours (maximum time to perform an execution); which caused no more distributions to be made.

The agent is modified so that if a distribution does not have the proper commands and a user cancels it before 5 hours, the agent will not crash and will continue with the other executions after 5 hours.

Update and software packages remain in Unreported status

PM-68124-19-201853

Some executions are presented in a "Not Notified" state that never finish or cancel the deployment process. The process begins only when the agent is restarted.

There were executions that were blocked and never restored, adjustments are made so that there are no blockages and communication with the distribution module is restored.

Understanding Implemented Changes

Migration of Agent Profile Settings screen to REACT

- React improves the user experience when navigating the web application, due to the speed in loading pages, facilitates the maintenance of the application, making changes more agile. The agent profile screen is implemented in this release.
- Agent Profile screen

New remote control - On-premises environments

New remote control is implemented for On-premises environments, now it is supported in Cloud and On-premises architectures.

⚐ IMPORTANT: - For the correct operation of the new remote control in On-premises architectures, the ADM site and the agents must be updated to the released version 9.21.1

- New On-premises Remote Control

Automatic update Discovery agent

Automatic update of the discovery agent is implemented, which will be updated within one day after the ADM site update.

- Automatic update Discovery agent

Vendor SDK Update

- The Vendor SDK is updated to version 9.6.758, in order to resolve various issues and expand the coverage of new software and updates in different languages.

⚐ IMPORTANT: - Starting with console and agent version 9.21.1, updates for operating systems are not supported; Server 2003, Windows XP, Windows Vista, Windows 7, Windows 8, Server 2008 and Server 2008 R2.

Additional Notes or Instructions

In this release note you will find:

- ADM installation in a new database.
- ADM migration from 9.21.0 to version 9.21.1
- Manual Conserver Update
- Updating the conserver through a Distribution project
- Automatic Agent Update, Version 9.21 of the console will only be compatible with agent versions 9.19 at a minimum.

- ADM is released with common version 9.9.0.11
- ADM is released with tests in the 9.5.46 unified database

⚐ IMPORTANT: - After upgrading the database to version 9.5.46, you need to run the Script to visualize pending updates of the devices

Script:

```
alter VIEW [dbo].[V_APM_PATCH_MAIN]
    AS
SELECT
        P.id,
        2 [class_type],
        P.guid,
        B.bulletin_id,
        CONCAT(B.summary,'',P.informational_comment) summary,
        P.kb_number sqnumber,
        P.name,
        B.bulletin_page [bulletin_url],
        P.cve_ids,
        P.severity_id,
        CONCAT(B.title, '', L.short_name) bulletin_title,
        P.date_released posted_date,
        CASE WHEN  P.is_deployable=1 and P.is_downloadable=1 THEN 1 ELSE 0 END deployable,
        SCP.is_installed,
        P.patch_type_id,
        DD.id download_id,
        DD.download_status_id,
        DD.download_date,
        DD.scheduled_date,
        DD.url,
        DD.size,
        L.id language_id,
        DD.language_id AS downloadLanguageId
    FROM (
        SELECT DISTINCT
            patch_id,
            CASE WHEN SUM(is_installed) = COUNT(*) THEN 1 ELSE 0 END AS is_installed,--CASE WHEN SUM(is_installed) > 0 THEN 1 ELSE 0 END AS is_installed
            l.id lang
        FROM APM_SCANNED_PATCHES scp
        INNER JOIN APM_REGION R ON scp.region_id = R.id
        INNER JOIN APM_LANGUAGE L ON L.id = R.language_id
        GROUP BY patch_id, l.id
    ) SCP
    INNER JOIN APM_PATCH_DETAIL P ON SCP.patch_id = P.id
    INNER JOIN APM_BULLETIN_DETAIL B ON B.id = P.bulletin_id
    INNER JOIN APM_LANGUAGE L ON L.id = SCP.lang
    INNER JOIN APM_DOWNLOAD_DETAIL DD ON DD.patch_detail_id = P.id
    AND (DD.language_id = L.id
    AND EXISTS(SELECT 1 FROM APM_DOWNLOAD_DETAIL dd1 WHERE dd1.patch_detail_id=dd.patch_detail_id AND dd1.language_id=l.id)
    OR NOT EXISTS(SELECT 1 FROM APM_DOWNLOAD_DETAIL dd1 WHERE dd1.patch_detail_id=dd.patch_detail_id AND dd1.language_id=l.id)
```

```sql
        AND dd.language_id =(SELECT id FROM APM_LANGUAGE WHERE language_id=0))
UNION ALL
SELECT
    SP.id,
    1 [class_type],
    SP.guid,
    SP.name bulletin_id,
    NULL summary,
    SP.name sqnumber,
    NULL name,
    NULL [bulletin_url],
    NULL cve_ids,
    2 severity_id,
    CONCAT(SP.name,' ',L.short_name,'(', DD.shavlik_file_name, ')') bulletin_title,
    SP.created_date posted_date,
    SP.is_deployable deployable,
    0 is_installed,
    0 [patch_type_id],
    DD.id download_id,
    DD.download_status_id,
    DD.download_date,
    DD.scheduled_date,
    DD.url,
    DD.size,
    L.id language_id,
    DD.language_id
FROM (
        SELECT DISTINCT
            service_pack_id,
            l.id lang
        FROM APM_APPLICABLE_SERV_PACK aps
        INNER JOIN APM_REGION R ON aps.region_id = R.id
        INNER JOIN APM_LANGUAGE L ON L.id = R.language_id
    ) APS
    INNER JOIN APM_SERVICE_PACK_DETAIL SP ON SP.id = APS.service_pack_id
    INNER JOIN APM_LANGUAGE L ON APS.lang = L.id
    INNER JOIN APM_DOWNLOAD_DETAIL DD ON DD.service_pack_id = SP.id
    AND (DD.language_id = L.id
    AND EXISTS(SELECT 1 FROM APM_DOWNLOAD_DETAIL dd1 WHERE dd1.service_pack_id=dd.service_pack_id AND dd1.language_id=l.id)
    OR NOT EXISTS(SELECT 1 FROM APM_DOWNLOAD_DETAIL dd2 WHERE dd2.service_pack_id=dd.service_pack_id AND dd2.language_id=l.id)
    AND dd.language_id =(SELECT id FROM APM_LANGUAGE WHERE language_id=0))
GO
```

Integrated projects:

- aranda.avs.worker 9.6.1.3
- Aranda.ARC.Controller 9.4.1.8
- @aranda/aranda.arc: 9.4.1-3

⚑ IMPORTANT: - Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
- In Multi-Instance installations, errors occur when viewing the graphs of software usage.
- A time-out error may be generated when loading some packages. (Try loading the package again.)

Known Issues

- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.
- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente. En ocasiones windows intenta iniciar el servicio `ArandaConserverWindowsServiceV9` antes de los servicios propios requeridos del sistema operativo y se presenta una falla.

  Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización; por restricción del proveedor no es posible obtener esta información antes de descargar la actualización.

  Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

```
**Workaround**: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant**
(https://docs.arandasoft.com/adm-ts/en).
```

Installers 9.21.1

UpdatePack 9.21.1

ADM Download Links

- [Aranda.ADM.Web.Installer.9.21.1.exe](#)
- [Aranda.Conserver.Installer.9.21.1.exe](#)
- [Aranda.ADM.Utils.Installer.9.21.1.exe](#)

Download link Discovery Agent

- [Aranda.Discovery.Agent.9.21.1.exe](#)

Download links Windows Agent

- [Agente.Windows.9.21.1.exe](#)

- [Agente.Windows.9.21.1.msi](). (Windows Agent Installer, use for Domain Policy (GPO) deployments only.) [Deploy agent by Domain Policy (GPO).]()

Windows Specialist Agent Viewer - (Remote Control)

- [Agente.Especialista.exe]()

⚐ Note: Version 9.21.1 of the ADM Release Notes is compatible with the Database Version 9.5.46

Release Notes 9.21.0

Invoking webhooks

CHG-39424-19-301112

Starting from the conditions defined in the ADM Rules module, enable the additional action "Invoke Webhook"

A new action has been added to the discovery rules and devices in ADM, which allows "Invoke Webhook", which will allow integration and generation of events in other systems.

[Device Rules- Invoke Webhook]()
[Discovery Rules- Invoke Webhook]()

Improved Remote Management functionality for computers outside the LAN

CHG-30787-19-300785

Remote management of computers outside the LAN network is required

Remote administration functionality is added in ADM, to support computers that are outside the LAN network.

[Remote Administration]()

Visualize OID information that is captured in device discovery

CHG-31120-19-300805

OID information that is captured in device discovery is required to be displayed in the device detail.

A new "SNMP Detail" screen is implemented in the device detail, where the information of the OIDs configured in the discovery of devices by the SNMP protocol is displayed

[SNMP Detail]()

Incorporate SNMP Discovery Protocol v2 Enhancements

CHG-29199-19-300713

It is requested to incorporate improvements in SNMP v2 discovery protocol, to add "Name, Make, Model" information

New discovery functionality is implemented that allows you to configure custom OIDs based on the manufacturer. This makes it easier to obtain more detailed information about discovered devices over the network, with support for SNMP V1, SNMP V2, and SNMP V3 protocols.

[Discovery Component Facility]()
[Device discovery]()

Problem with files in Software licenses

PM-59080-19-201667

When you license software in ADM, it requests a Purchase Invoice file and a license file, once you save your changes and attempt to renew or edit those files. It has an error which is that the files are not replaced. That is, the files that were initially in place are maintained.

Adjustments are made to the ADM Licensing module that allows you to save the modifications made to the purchase invoice files and License files

Problem when taking remote control of formatted machines, incorrect name is evident

PM-64187-19-201761

When taking remote control, the tool takes the previous name of the device.

Adjustments are made so that the remote control screen has the information found on the devices screen.

Inconsistencies with ADM Integration - ServiceNow

PM-64619-19-201777

In the synchronization of computers, you are including computers without inventory (which without the initial inventory do not have serial) and equipment without a license.

Filters are added in the ADM API of the device listing, to include search parameters by "Status" and "Device Type", as required in the ADM integration.

[Device Listing API]()

Distribution projects in ADM do not stop automatically

PM-65090-19-201784

Computers in an unreported state, in a distribution project, remain in that state indefinitely. When the team goes online and requires a new distribution, it is necessary to manually cancel the project before sending a new run.

A scheduled task is created for the cancellation of devices with a "No Notification" status for more than 24 hours, executions go to the "Canceled" status.

Understanding Implemented Changes

Improvements to ADM integration with CMDB9

- Added synchronization of device types discovered in ADM; Router, Switch and Printers with (CMDB9 - new model)

[Synchronization of Router, Switch and Printer Devices with CMDB9 - New Model](#)

Additional Notes or Instructions

- New requirements for ADM OnPremises installation and upgrade are added for version 9.21.0, please read and follow the step by step in the corresponding order before installation. **Requirements for ADM installation**
- If you need to perform device discovery over the LAN, you must install the new agent for device discovery. If you already have a conserver, you can install there. If not, you can install it on a separate server with the same specifications as the conserver, it is important to clarify that the conserver will no longer make the discovery.

- [Discovery Component Facility](#)
- [Device discovery](#)

    ⚑ IMPORTANT: -Current settings for discovery stored in the menu Configurations > ADM > Communications > Preserve > Discovery > IP Range , will be disabled because this screen will be disabled. Now, these settings will need to be made in the menu ADM > Configurations > Discovery > Definition
    - If you have passwords for discoveries by (ssh) created in lower versions of ADM 9.21.0, you must update the password type to ssh for the correct operation of discovery by this protocol, since the new password types were included in version 9.21.0.

- The new remote management functionality allows supporting computers that are outside the LAN network. The device where the agent is installed must be able to display the notification server site: **https://Dominio/repserver/Notificationmessage**.
- Remote administration functionality will only be supported on secure sites that use the (Https) protocol.
- For Onpremises environments, on the server where ADM is installed, communication must be enabled by (TLS 1.2 or 1.3), for communication security lower versions of TLS are not supported. **Remote Administration**

In this release note you will find:

- [ADM installation in a new database.](#)
- [ADM Migration from 9.20.2 to Version 9.21.0](#)
- [Upgrade to version 9.21.0](#)
- [Remote Support Viewer Update](#)
- [Automatic Agent Update](#), Version 9.21 of the console will only be compatible with agent versions 9.19 at a minimum.

- ADM is released with common version 9.9.0.11
- ADM is released with tests in the 9.5.45 unified database

Integrated projects:

- aranda.avs.worker 9.6.0.8
- Aranda.ARC.Controller 9.4.0.11
- @aranda/aranda.arc: 9.4.0-5

    ⚑ IMPORTANT: - Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
- In Multi-Instance installations, errors occur when viewing the graphs of software usage.
- A time-out error may be generated when loading some packages. (Try loading the package again.)

Known Issues

- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.
- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente. En ocasiones windows intenta iniciar el servicio `ArandaConserverWindowsServiceV9` antes de los servicios propios requeridos del sistema operativo y se presenta una falla.

    Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización; por restricción del proveedor no es posible obtener esta información antes de descargar la actualización.

    Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

Workaround: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant** (https://docs.arandasoft.com/adm-ts/en).

Installers 9.21.0

UpdatePack 9.21.0

ADM Download Links

- [Aranda.ADM.Web.Installer.9.21.0.exe](#)
- [Aranda.Conserver.Installer.9.21.0.exe](#)
- [Aranda.ADM.Utils.Installer.9.21.0.exe](#)

Download link Discovery Agent

- [Aranda.Discovery.Agent.exe](#)

Download links Windows Agent

- [Agente.Windows.exe](#)
- [Agente.Windows.msi](#). (Windows Agent Installer, use for Domain Policy (GPO) deployments only.) [Deploy agent by Domain Policy (GPO).](#)

Windows Specialist Agent Viewer – (New Remote Control Functionality – Cloud Environments)

- [Agente.Especialista.exe](#)

⚑ Note: Version 9.21.0 of the ADM Release Notes is compatible with the Database Version 9.5.45

Release Notes 9.20

Release Notes 9.20.2

Delete Printers from ADM

CHG-5481-19-300129

It is required that the Admin console can delete the printers installed on the devices.

Added functionality in ADM to erase printers installed on managed devices.

[Deleting Shares from ADM](#)

Integrate motherboard serial into equipment inventory

CHG-11161-19-300203

It is required to integrate the motherboard serial into the equipment inventory.

The motherboard serial is added to the HW/SW inventory, it can be displayed in the ADM console in the device detail.

[Motherboard Serial](#)

Updating Patches from the Software -> Updates option

CHG-13429-19-300262

Patch updates are required without the need to associate devices and run the distribution project manually.

A new method for installing patches from the updates screen has been implemented.

[Install updates on devices](#)

Inventory Pickup Time Setting Remains in Another Time Zone

PM-48987-19-201452

When saving the inventory taking time in the agent's profile, the time is displayed erroneously.

Time date storage is adjusted to save correctly.

High CPU resource consumption on servers

PM-57194-19-201620 High CPU Resource Consumption on Servers

An increase in CPU consumption on Windows server by the ADM agent is detected.

WMI queries are optimized to launch the agent as a user and free up CPU consumption.

Conserver Timeout

PM-59685-19-201677

It is evident that when there is low bandwidth, package distributions of more than 50MB exceed the waiting time, which generates an error in the download by timeout in the conserver.

Adjustment is made so that the conservator allows downloading packages that take more than 1 minute to download.

No information is displayed on the Energy Policy Monitor dashboard

PM-55058-19-201603

No information is displayed on the Energy Policy Monitor dashboard in the ADM application.

Adjustments are made to the dashboard so that the energy policy monitor information is displayed correctly.

Problem exporting large number of columns (software usage)

PM-51215-19-201527

When the number of columns in the use of software is greater than 250, at the time of exporting the data the document is shown blank.

A format change is made from (xls) to (xlsx) to support more information when exporting to excel.

Failure in additional list-type fields

PM-46168-19-201381

When modifying an additional list-type field from the settings, devices with information registered in that field lose it.

Adjustments are made to the configuration of the additional list-type fields, so that the modification of this field does not alter the value already registered.

Device rules fail with carrier contains

PM-56613-19-201610

In software type device rules, when you use the contains operator, the rules are not executed

Adjustments are made to the rules so that they work properly with the operator contains.

Removed hardware rule runs without meeting the condition

PM-52341-19-201553

When you create the Hardware Removed rule, it is evident that it runs without meeting the conditions to be executed.

Adjustments are made to the ADM Rules module, so that they are evaluated correctly. It should be noted that in virtualizers such as Azure, the value of the disk and memory change when the machine is turned off and on.

Problem reported in report filter in ADM

PM-58201-19-201652

It is identified that in the "Device Listing" report in ADM it is not correctly filtering the types of "Desktop" type devices. In the results of the report, it does not filter the information and presents all the devices.

Adjustments are made to the "Device Listing" report in ADM, so that the device type filters display the correct information.

Understanding Implemented Changes

Remote control for MAC - Cloud Environments

Remote control for MAC is implemented in ADM cloud environments

[MAC Remote Control](#)

Enhancements to ADM integration with Intel Ema

The vPro feature is added to the device inventory, which is displayed in the ADM console.

- New search filters have been implemented in the list of devices that allow you to select devices that have vPro and the Intel EMA agent.

[ADM integration with Intel Ema](#)

Improvements to ADM integration with CMDB

- Added method to disable ADM integration with CMDB.

[Disable ADM integration with CMDB](#)

- Improved visualization of synchronized IC in CMDB from ADM

[Visualization of the IC in ADM](#)

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database.](#)
- [ADM Migration from 9.20.1 to Version 9.20.2](#)
- [Upgrade to version 9.20.2](#)
- [Remote Support Viewer Update](#)
- [Automatic Agent Update](#), Version 9.20 of the console will only be compatible with agent versions 9.18 at least.

- ADM is released with common version 9.8.2.5
- ADM is released with tests in the 9.5.44 unified database

Integrated projects:

- aranda.avs.worker 9.5.2.10
- Aranda.ARC.Controller 9.3.1.7
- @aranda/aranda.arc: 9.3.9

The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. [Download URL Rewrite](#).

> ⚑ IMPORTANT: - Installation of the ADM, Conserver, and ADM Utils console requires the server to be running version 4.8. of the .NET framework (net48).
> - Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
- A time-out error may be generated when loading some packages. (Try loading the package again.)

- Discovery rules are not enabled with the "contains" operator, currently only works with the "=" operator

Known Issues

- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.
- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente. En ocasiones windows intenta iniciar el servicio `ArandaConserverWindowsServiceV9` antes de los servicios propios requeridos del sistema operativo y se presenta una falla.

  Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización; por restricción del proveedor no es posible obtener esta información antes de descargar la actualización.

  Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

> **Workaround**: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant** (https://docs.arandasoft.com/adm-ts/en).

Installers 9.20.2

UpdatePack 9.20.2

ADM Download Links

- [Aranda.ADM.Web.Installer.9.20.2.exe](#)
- [Aranda.Conserver.Installer.9.20.2.exe](#)

Download links Agent MacOs

- [Agent.Mac.zip](#)
- [Agent.Mac.app.zip](#)

Download links Windows Agent

- [Agente.Windows.exe](#)
- [Agente.Windows.msi](#). (Windows Agent Installer, use for Domain Policy (GPO) deployments only.) [Deploy agent by Domain Policy (GPO).](#)

Windows Specialist Agent Viewer - (New Remote Control Functionality - Cloud Environments)

- [Agente.Especialista.exe](#)

⚐ Note: Version 9.20.2 of the ADM Release Notes is compatible with the Database Version 9.5.44

Release Notes 9.20.1

Deleting Shares from ADM

CHG-5480-19-300128

It is required that the ADM console can wipe device shares.

Added functionality in ADM to wipe shares from managed devices.

[Deleting Shares from ADM](#)

Vulnerable JS underscore library

CHG-47885-19-301377

The javascript library Underscore version 1.5.2 was detected in the application. This library contains a known RCE vulnerability

The Underscore javascript library is updated to version 1.13.6 on ADM sites

Failure to Export Dashboard Monitor to ADM Devices

PM-19332-19-200437

It does not export information from the ADM Device Monitor dashboard correctly.

Adjustments are made to the ADM console to allow the information from the ADM Device Monitor dashboard to be successfully exported.

Time out software catalog and device activities

PM-36895-19-201116

When loading the software catalog and activity pages in the ADM console, a timeout error is generated when multiple records are had.

Queries used in software catalog are optimized to improve performance when the page loads.

Failure to perform the "Remove" action in applications, Software catalog module

PM-49908-19-201489

An error is generated when performing the "Remove" applications action in the Software Catalog module.

Adjustments are made in the ADM console to allow applications to be removed from the Software Catalog module.

Site Does Not Use Best Practices Against Embedding of Malicious Content

PM-50814-19-201516

A best practice to prevent malicious embedding of site content is to add the frame-ancestors directive to the HTTP response header of the site's Content Security Policy (CSP). The policy restricts which URLs can embed site content using HTML elements , <iframe>, , or <applet>. It is preferable to use a CSP header with the frame-ancestors directive than to use X-Frame-Options, which is not supported by some browsers. The CSP specification is compatible with most modern browsers and earlier versions. If the HTTP response header includes X-Frame-Options and frame-ancestors, browsers ignore the former as deprecated.

The recommended header "frame-ancestors" is configured, for the ADM console WEB site, for the repserver site for compatibility with older version agents, it is not implemented in this version.

Problem with the save button in additional ADM fields

PM-53713-19-201589

When setting up additional fields, when you use the Chrome browser's translation option and click the save or cancel button, the buttons do not perform any action, as if they were text.

The additional fields page is migrated to react, when using the Chrome page translation the functionalities of the button components are not affected.

Understanding Implemented Changes

Authorization in remote connections - New Remote Control functionality for Cloud environments

The option to enable recipient authorization for remote takeover is implemented.

Remote Control Authorization

MAC agent compatible with macOS Sonoma version

A new MAC agent version is released, compatible with the macOS Sonoma version, with Intel and Apple Silicon M1 processors.

MAC Supported Versions

Supported MAC agent functionalities

Migration of the Screen Additional Fields to REACT

The design is improved with the migration to react, the user experience when navigating the web application, due to the speed in loading the pages, facilitates the maintenance of the application, making changes more agile.

Additional Fields

Additional Notes or Instructions

In this release note you will find:

- ADM installation in a new database.
- ADM Migration from 9.20.0 to Version 9.20.1
- Upgrade to version 9.20.1
- Remote Support Viewer Update
- Automatic Agent Update, Version 9.20 of the console will only be compatible with agent versions 9.18 at least.

- ADM is released with common version 9.8.1.2
- ADM is released with tests in the 9.5.43 unified database

Integrated projects:

- aranda.avs.worker 9.5.1.2
- Aranda.ARC.Controller 9.3.0.1
- @aranda/aranda.arc: 9.3.3

The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. Download URL Rewrite.

⚐ IMPORTANT: - Installation of the ADM, Conserver, and ADM Utils console requires the server to be running version 4.8. of the .NET framework (net48).
- Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
- A time-out error may be generated when loading some packages. (Try loading the package again.)
- Discovery rules are not enabled with the "contains" operator, currently only works with the "=" operator

Known Issues

- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.

- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente. En ocasiones windows intenta iniciar el servicio `ArandaConserverWindowsServiceV9` antes de los servicios propios requeridos del sistema operativo y se presenta una falla.

  Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización; por restricción del proveedor no es posible obtener esta información antes de descargar la actualización.

  Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

> **Workaround**: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant** (https://docs.arandasoft.com/adm-ts/en).

Installers 9.20.1

UpdatePack 9.20.1

ADM Download Links

- [Aranda.ADM.Web.Installer.9.20.1.exe](#)
- [Aranda.ADM.Utils.Installer.9.20.1.exe](#)
- [Aranda.Conserver.Installer.9.20.1.exe](#)

Download links Agent MacOs

- [Agent.Mac.zip](#)
- [Agent.Mac.app.zip](#)

Download links Windows Agent

- [Agente.Windows.exe](#)
- [Agente.Windows.msi](#). (Windows Agent Installer, use for Domain Policy (GPO) deployments only.) [Deploy agent by Domain Policy (GPO).](#)

Windows Specialist Agent Viewer - (New Remote Control Functionality - Cloud Environments)

- [Agente.Especialista.exe](#)

⚑ Note: Version 9.20.1 of the ADM Release Notes is compatible with the Database Version 9.5.43

Release Notes 9.20.0

Concurrency Error at the Time of ADM Synchronization with CMDBV9

PM-51353-19-201531

A concurrency error has been detected when synchronizing multiple devices from ADM to CMDB9. In addition, there are sometimes an error when trying to access the CMDB9 Additional Fields Configuration menu from the ADM console.

To address this issue, the use of a token for the ADM integration user with CMDB9 has been implemented. This will prevent disconnections during data synchronization with CMDB9, ensuring that each of the requests sent from ADM are processed correctly.

⚠ Important: If your product is on a version earlier than ADM 9.20.0 and you upgrade to this version:

- Enter the sync user's token data and save the connection to ensure proper CI synchronization.

- If the product has applications synchronized in CMDB9 you must manually resynchronize them from the ADM console, this process can be done automatically by switching to the new Common Data (DCM) model - CMDB9.

[Implementation of token for the CMDB9 Integration user](#)

Changing some values of the additional CI fields in CMDB8 causes synchronization from ADM to fail

PM-50892-19-201519

Changing the values of the additional IC (Impact and Price) fields from CMDB8 causes the CI synchronization from ADM to fail.

Adjust data types in ADM to avoid problems synchronizing with CMDB8

Inventory TPM Chip Version 2 Information

CHG-39478-19-301113

It is desired to know through the inventories obtained through the agent, to the ADM console, if the computer has the TPM version 2 chip.

The TPM chip information is added to the hardware section of the device's motherboard in ADM, if the device has such a chip.

Understanding Implemented Changes

New Remote Control functionality for Cloud environments

A new remote control is implemented in ADM, which is available for cloud infrastructures deployed in appservices. This functionality is compatible with infrastructures that use repserver cloud and/or conserver. To use this functionality, agents must have access to the internet.

[New Remote Control (Cloud Environments)](#)

⚑ Note: To get this new remote control functionality, agents must upgrade to ADM version 9.20 and install the Specialist Agent Viewer for Windows.

Vulnerabilities - Interesting response

Unhandled error codes can provide useful information about the behavior of your web application.

Added an error page with .html extension for the unhandled specifications of the ADM and repserver websites.

New Common Data Model (DCM) - CMDB9

"Native" IC categories are implemented from CMDB9 associated with ADM assets. Once this new model is selected, it will not be possible to return to the previous CMDB9 model.

[New Common Data Model (DCM) - CMDB9](#)

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database.](#)
- [ADM migration from 9.19.2 to version 9.20.0](#)
- [Upgrade to version 9.20.0](#)
- [Remote Support Viewer Update](#)
- [Automatic Agent Update](#), Version 9.20 of the console will only be compatible with agent versions 9.18 at least.

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

Integrated projects:

- aranda.avs.task 9.5.0.3
- Aranda.ARC.Controller 9.2.0.3
- @aranda/aranda.arc: 9.2.5

The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. [Download URL Rewrite](#).

⚠ Important:
Installation of the ADM, Conserver, and ADM Utils console requires the server to have version 4.8. of the .NET framework (net48).
- Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
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- Discovery rules are not enabled with the "contains" operator, currently only works with the "=" operator

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- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.
- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente. En ocasiones windows intenta iniciar el servicio `ArandaConserverWindowsServiceV9` antes de los servicios propios requeridos del sistema operativo y se presenta una falla.

  Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización; por restricción del proveedor no es posible obtener esta información antes de descargar la actualización.

  Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

```
**Workaround**: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant**
(https://docs.arandasoft.com/adm-ts/en).
```

Installers 9.20.0

UpdatePack 9.20.0

ADM Download Links

- [Aranda.ADM.Web.Installer.9.20.0.exe](#)
- [Aranda.ADM.Utils.Installer.9.20.0.exe](#)
- [Aranda.Conserver.Installer.9.20.0.exe](#)

Download links Windows Agent

- [Agente.Windows.exe](#)
- [Agente.Windows.msi](#). (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Windows Specialist Agent Viewer - (New Remote Control Functionality - Cloud Environments)

- [Agente.Especialista.exe](#)

⚑ Note: Version 9.20.0 of the ADM Release Notes is compatible with the Database Version 9.5.42

Release Notes 9.19

Release Notes 9.19.2

Inconsistent information in the DASHBOARD of conflicting teams

PM-47929-19-201418

Differences between the number of conflicting devices displayed in the dashboard in relation to the number of conflicting devices displayed in the device listing filter.

Adjustments are made to the ADM dashboard, so that the correct number of conflicting devices is displayed.

Validation error when logging in with a user with no associated roles

PM-43395-19-201296

When you synchronize users from LDAP and then log in to the ADM console with one of those users, the page is loaded indefinitely because they don't have roles in the ADM application.

An error message is added to the ADM login screen in case the user does not have associated roles in the ADM console

Faults connection EMA integration

PM-48045-19-201424

Intel Ema Connection Error Version 1.10.1

Adjustments are made to the integration of ADM with Intel ema to support version 1.10.1 EMA and future versions.

Does not run equipment to device group association rule

PM-47555-19-201409

When you configure the rule to group devices, it does not perform the action.

A description is adjusted in the label that indicates that when it is activated, the device is disassociated from the group, to perform the action of grouping it must be unchecked; The manual documentation is also adjusted to clarify the operation of device rules and discovery rules.

[Device rules](#)
[Discovery Rules](#)

Failure to Bring Serial Disk

PM-44857-19-201338

Serial information of solid-state disks is not displayed in ADM

It is adjusted in the windows agent to capture the serial information of the solid disks that can be viewed in the ADM console.

High consumption in AppServices

PM-50705-19-201509

High CPU consumption is introduced in the appservices version of ADM 9.18

Adjustment is made for the optimization of the repserver logs and a new version of common 9.8.0.5 is generated that reduces the consumption of Web resources

HW/SW Inventory Failure

PM-45548-19-201364

There is a failure in the inventory taking of Hardware and Software in some reported equipment

Adjustments are made to the ADM agent in the video session so that the Hardware and Software inventory submission is successful

Failure in place due to duplication of ADM headers - Repserver

PM-51655-19-201537

Failure occurs in Web sites due to duplication of headers in the ADM and Repserver console

The files (web.config) of the ADM and Repserver Web sites are adjusted to avoid duplication in the headers.

Understanding Implemented Changes

Migration of the EMA Configuration to REACT Screen - Credentials

- React improves the user experience when navigating the web application, due to the speed in loading pages, facilitates the maintenance of the application, making changes more agile. The credentials screen is implemented in this release.
- Credentials screen

New functionality of Remote Control Cloud environments

A new remote control of ADM is implemented available for cloud infrastructure deployed in appservices, initially supported for NON-RETAINED architectures. (Agents must have internet access for this functionality.)

New Remote Control (Cloud Environments)

⚐ Note: This functionality is not supported for agent versions released from ADM lower than 9.19.2

Access-Control-Allow-Methods header: insecure configuration

CHG-47886-19-301378

Changing the "Access-Control-Allow-Methods" header is required as it allows insecure methods (PUT and DELETE) on the website. This header specifies the HTTP methods allowed in the website interaction

Adjust the PUT and DELETE methods so that they are not available on the home page of the ADM console.

Headers that reveal information

CHG-47890-19-301380

It is necessary to modify the three headings that reveal information about ADM. The headers "Server", "X-AspnetVersion" and "X-Powered-by" because this information reveals the type of server and the software versions Microsoft uses.

Removed headers from all ADM websites; "Server", X-AspnetVersion" and "X-Powered-by".

Microsoft .NET Framework version ASP.NET with vulnerabilities

CHG-47869-19-301376

A version of the Microsoft .NET Framework (4.030319) was detected ASP.NET is vulnerable to various types of remote code execution (RCE) and denial-of-service (DoS) attacks

ASP net version information is hidden, the Microsoft .NET Framework header (4.030319) refers to the CLR version (4.0.30319), the ADM application has framework version 4.8 which is the latest version of the .NET framework.

Additional Notes or Instructions

In this release note you will find:

- ADM installation in a new database.
- ADM migration from 9.19.0 to version 9.19.2
- Upgrade to version 9.19.2
- Remote Support Viewer Update
- Automatic Agent Update, Console version 9.19 will only support agent versions 9.16 at a minimum.

- ADM is released with common version 9.8.0.5
- ADM is released with tests in the unified database 9.5.41
- ADM released with ARC 9.1.1 version support

The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. Download URL Rewrite.

⚠ Important:
Installation of the ADM, Conserver, and ADM Utils console requires the server to have version 4.8. of the .NET framework (net48).
- Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.

Known Issues

- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.
- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente. En ocasiones windows intenta iniciar el servicio `ArandaConserverWindowsServiceV9` antes de los servicios propios requeridos del sistema operativo y se presenta una falla.

  Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización; por restricción del proveedor no es posible obtener esta información antes de descargar la actualización.

  Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
- A time-out error may be generated when loading some packages. (Try loading the package again.)
- Discovery rules are not enabled with the "contains" operator, currently only works with the "=" operator

Installers 9.19.2

UpdatePack 9.19.2

ADM Download Links

- Aranda.ADM.Web.Installer.9.19.2.exe
- Aranda.ADM.Utils.Installer.9.19.2.exe
- Aranda.Conserver.Installer.9.19.2.exe

Download links Windows Agent

- Agente.Windows.exe
- Agente.Windows.msi. (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Windows Specialist Agent Viewer – (New Remote Control Functionality – Cloud Environments)

- Agente.Especialista.exe

⚑ Note: – Version 9.19.2 of the ADM Release Notes is compatible with the Database Version 9.5.41

Release Notes 9.18

Release Notes 9.18.2

Fails to download the software catalog.

PM-45522-19-201362

When you export the Software Catalog to Excel or PDF, the application category information is not recorded even though the latter do have associated categories.

The category column is added so that when exporting the information from the software catalog, this information is displayed in Excel and PDF.

Understanding Implemented Changes

Vulnerability – HttpOnly flag set Cookie

Fixed the security vulnerability in the ADM console when deleting cookies that do not use the HttpOnly flag. This is done with the aim of ensuring the protection and security of the cookies used to log in.

Additional Notes or Instructions

In this release note you will find:

- ADM installation in a new database.
- ADM migration from 9.18.1 to version 9.18.2
- Upgrade to version 9.18.2
- Remote Support Viewer Update

- ADM is released with common version 9.7.2.22
- ADM is released with tests in the 9.5.39 unified database

The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. Download URL Rewrite.

⚠ Important:
Installation of the ADM, Conserver, and ADM Utils console requires the server to have version 4.8. of the .NET framework (net48).
- Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.
- Console version 9.18 will only be compatible with agent versions 9.15 or more. If the connection is direct to the repserver, only the agent is supported from version 9.15.

Known Issues

- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.
- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente, en ocasiones windows intenta iniciar el servicio

`ArandaConserverWindowsServiceV9` antes de los servicios propios del sistema operativo necesarios para el correcto funcionamiento de esté servicio y falla.

Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización, por restricción del proveedor no podemos obtener esta información antes de descargar la actualización.

Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

Workaround: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant** (https://docs.arandasoft.com/adm-ts/en).

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
- A time-out error may be generated when loading some packages. (Try loading the package again.)
- Discovery rules are not enabled with the "contains" operator, currently only works with the "=" operator

Installers 9.18.2

UpdatePack 9.18.2

ADM Download Links

- Aranda.ADM.Web.Installer.9.18.2.exe
- Aranda.ADM.Utils.Installer.9.18.2.exe
- Aranda.Conserver.Installer.9.18.2

⚑ Note: Version 9.18.2 of the ADM Release Notes is compatible with the Database Version 9.5.39

Release Notes 9.18.1

Failure to perform agent distribution

PM-44472-19-201360

Refers to problems installing the agent using a distribution project.

The agent layout is adjusted to correctly take credentials.

High Consumption Content Manager

PM-31233-19-200920

It is evident that several of the updates downloaded through ADM register sizes between 1 and 1.5 GBs and when deleting the records in the content manager folder, the debugging was not displayed automatically, generating a high consumption in the folder hosted on the server's hard drive.

Automatic deletion of packages and files in the content manager folder is included when the patch update is deleted.

Does not export the total number of users in ADM

PM-43562-19-201298

It is evident that ADM does not export the total number of users. When you try to export a report, only 20 users out of 122 configured users are exported.

Adjustments are made in the ADM console to export all user records.

Understanding Implemented Changes

CHG-24710-19-300456

Functionality is created that allows the maintenance of transactional logs (asm_software_usage) since the information that is stored is a lot, generating problems in the download and visualization of data.

The table structure and the way the metrix software inventory is processed has been modified, so that the consolidated usage by day and window can be displayed instead of showing usage intervals by window during the day.

The change reduces the amount of information that is inserted into the database by 90%, improving the performance of the application when generating queries of this information.

⚑ Note: For all Metrix Software features to work properly, you must have the agent on version 9.18.1 or higher

Vulnerability - Screens with active password autocomplete

Fix autocomplete vulnerability in the password field on the ADM login screen.

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database.](#)
- [ADM migration from 9.18.0 to version 9.18.1](#)
- [Upgrade to version 9.18.1](#)
- [Automatic Agent Update](#), Version 9.18 of the console will only be compatible with agent versions 9.15 or more. If the connection is direct to the repserver, only the agent is supported from version 9.15.
- [Remote Support Viewer Update](#)

- ADM is released with common version 9.7.2.20
- ADM is released with tests in the 9.5.39 unified database

The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. [Download URL Rewrite](#).

⚠ Important:
Starting with agent version 9.17, only TLS 1.2 or TLS 1.3 protocols are supported. (Note that these protocols are not supported in Windows 7 unless you have extended support at Microsoft.)
- Installation of the ADM, Conserver, and ADM Utils console requires the server to be running version 4.8. of the .NET framework (net48).**
- **Remember that in joint installations between Aranda products you must have the same compatibility as the Common version.

Known Issues

- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.
- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente, en ocasiones windows intenta iniciar el servicio `ArandaConserverWindowsServiceV9` antes de los servicios propios del sistema operativo necesarios para el correcto funcionamiento de esté servicio y falla.

  Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización, por restricción del proveedor no podemos obtener esta información antes de descargar la actualización.

  Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

> **Workaround**: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant** (https://docs.arandasoft.com/adm-ts/en).

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
- A time-out error may be generated when loading some packages. (Try loading the package again.)
- Discovery rules are not enabled with the "contains" operator, currently only works with the "=" operator

Installers 9.18.1

UpdatePack 9.18.1

ADM Download Links

- [Aranda.ADM.Web.Installer.9.18.1.exe](#)
- [Aranda.ADM.Utils.Installer.9.18.1.exe](#)
- [Aranda.Conserver.Installer.9.18.1](#)

Download links Windows Agent

- [Agente.Windows.exe](#)
- [Agente.Windows.msi](#) (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Release Notes 9.18.0

Inconsistent Information in Summary Report and Software Catalog

PM-42967-19-201276

There is a difference between the number of software installations registered in the menu Catálogo de software and the software summary report.

Menu adjustment is made Catálogo de software, to consider only installations of devices that are active in the ADM console.

Understanding Implemented Changes

CHG-41318-19-301173

Software Provisioning Self-Management Portal - ADM

Ante la necesidad de tener un módulo en ADM que permita a los usuarios realizar autogestión de instalaciones de software en los dispositivos en los cuales son responsables.
Se ha implementado un portal de autogestión (Versión - Beta) que permite a los usuarios responsables de los dispositivos visualizar los proyectos de distribución de software disponibles y realizar la instalación de manera desatendida con tan solo dos clics. Esto evita cualquier intervención del usuario durante la instalación y las configuraciones adicionales que puedan ser necesarias, brindando otra opción al administrador de IT para instalar el software requerido en los dispositivos de la compañía.

[End-user Self-Management Portal](#)
[ADM Administrator User Self-Management Portal](#)

CHG-36115-19-300988

Implement in ADM the way to secure the agent.config file of the agent since it is a manual process subject to vulnerabilities.

The agent.config file is encrypted to make the connection string more secure.

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database.](#)
- [ADM migration from 9.17.1 to version 9.18.0](#)
- [Upgrade to version 9.18.0](#)
- [Automatic Agent Update](#). Version 9.18 of the console will only be compatible with agent versions 9.15 or more. If the connection is direct to the repserver, only the agent is supported from version 9.15.
- [Remote Support Viewer Update](#)

- ADM is released with common version 9.7.2.20
- ADM is released with tests in the 9.5.38 unified database

The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. [Download URL Rewrite](#).

⚠ Important:
- Starting with agent version 9.17, only TLS 1.2 or TLS 1.3 protocols are supported. (Note that these protocols are not supported in Windows 7 unless you have extended support at Microsoft.)
- Installation of the ADM, Conserver, and ADM Utils console requires the server to be running version 4.8. of the .NET framework (net48).
- Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.

Known Issues

- Cada vez que se apague el servidor donde está instalado el conserver, debe revisar que el servicio esté arriba, porque en algunas ocasiones no inicia el servicio ArandaConserverWindowsServiceV9 al cargar el sistema operativo.
- El conserver depende de servicios propios del sistema operativo para poder ser iniciado automáticamente, en ocasiones windows intenta iniciar el servicio `ArandaConserverWindowsServiceV9` antes de los servicios propios del sistema operativo necesarios para el correcto funcionamiento de esté servicio y falla.

  Workaround: Enter the machine where the conservator is installed and upload the service manually.

- En el resumen de una actualización pendiente no es posible visualizar la arquitectura en la que se aplica dicha actualización, por restricción del proveedor no podemos obtener esta información antes de descargar la actualización.

  Workaround: View the update details after downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

```
**Workaround**: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant**
(https://docs.arandasoft.com/adm-ts/en).
```

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
- A time-out error may be generated when loading some packages. (Try loading the package again.)
- Discovery rules are not enabled with the "contains" operator, currently only works with the "=" operator

Installers 9.18.0

UpdatePack 9.18.0

ADM Download Links

- [Aranda.ADM.Web.Installer.9.18.0.exe](#)
- [Aranda.ADM.Utils.Installer.9.18.0.exe](#)
- [Aranda.Conserver.Installer.9.18.0.exe](#)

Download links Windows Agent

- [Agente.Windows.exe](#)
- [Agente.Windows.msi](#) (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Download links Agent MacOs

- [Agent.Mac.zip](#)
- [Agent.Mac.app.zip](#)

Release Notes 9.17

Release Notes 9.17.1

Package download failure in Multitenant - On-premises environments

PM-43100-19-201282

When downloading previously loaded packages from the menu, an error message is generated and the download is not allowed.

Adjustments are made in the ADM console so that when downloading a package in Multi Tenant On-premises environments, it is correctly directed to the url and the download is allowed.

SSL Certificate Signed Using Weak Hashing Algorithm Vulnerability - Port 9025

PM-42386-19-201262

A security vulnerability associated with port 9025, which is used in ADM for remote management functionality, was detected.

Adjustments are made to the Windows, Linux, and MAC agents and the certificate is adjusted by changing the hashing algorithm to a secure one.

Problem in view V_CLIENT_LICENSE

PM-41711-19-201248

The V_CLIENT_LICENSE view does not generate the same information as in the documentation.

Adjusting V_CLIENT_LICENSE view in database and updating the corresponding documentation [V_CLIENT_LICENSE](#).

Problem in view V_CLIENT_PATCH

PM-41720-19-201249

The V_CLIENT_PATCH view does not generate the same information as in the documentation.

Adjusting V_CLIENT_PATCH view in database and updating the corresponding documentation [V_CLIENT_PATCH](#).

Understanding Implemented Changes

Vulnerability Mitigation WEB

- The mitigation of the following web security vulnerabilities is implemented on the ADM and Repserver websites:
- Password field with auto-complete
- Missing 'Strict-Transport-Security' header
- Missing Referrer Policy
- Missing Permissions Policy
- Missing Content Security Policy
- HttpOnly flag set Cookie (web app configuration)

Communication improvements in the Repserver

Improvement is implemented in the repserver; in case of disconnection when publishing a remote control action, communication with MQTT is restored, a unique identifier of the repserver is added in the subscription with MQTT, so that the MQTTBroker supports different repservers.

ADMUtils remote control visor improvements

Improvements are implemented in the ADMUtils viewfinder, to correct occasional blank screen during remote control take.

From version 9.17.1 onwards, it will be possible to update agents that are installed with extension (.msi). Link agent update.

⚑ Note: The agent with extension (.MSI) should not be renamed because it fails the certificate and the subsequent update.

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database.](#)
- [ADM migration from 9.17.0 to version 9.17.1](#)
- [Upgrade to version 9.17.1](#)
- [Automatic Agent Update](#). Console version 9.17 will only be compatible with agent versions 9.14 at least. If the connection is direct to the repserver, only the agent is supported from version 9.14.
- [Remote Support Viewer Update](#)

- ADM is released with common version 9.7.2.18
- ADM is released with tests in the 9.5.37 unified database

The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. [Download URL Rewrite](#).

⚠ Importante:

- A partir de la versión 9.17 del agente sólo se soportan los protocolos TLS 1.2 o TLS 1.3. (Tener en cuenta que estos protocolos no son soportados en Windows 7 a menos que se tenga soporte extendido en Microsoft).
- Para la instalación de la consola ADM, Conserver y ADM Utils se requiere que el servidor tenga la versión 4.8. del framework de .NET (net48).
- Recordar que en instalaciones en conjunto entre productos de Aranda se debe tener la misma compatibilidad de la versión de Common.

Known Issues

- Every time the server where the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.

- The conserver depends on the operating system's own services to be able to start automatically, sometimes windows tries to start the service 'ArandaConserverWindowsServiceV9' before the operating system's own services necessary for the correct functioning of this service and fails.

> **Workaround**: Enter the machine where the conservator is installed and upload the service manually.

- In the summary of a pending update it is not possible to visualize the architecture in which the update is applied, Due to vendor restriction we cannot obtain this information before downloading the update.
- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.
- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

> **Workaround**: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant** (https://docs.arandasoft.com/adm-ts/en).

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
- A time-out error may be generated when loading some packages. (Try loading the package again.)
- Multi-instance in the repserver for cloud environments is not supported.
- Discovery rules are not enabled with the "contains" operator, currently only works with the "=" operator

Installers 9.17.1

UpdatePack 9.17.1

ADM Download Links

- Aranda.ADM.Web.Installer.9.17.1.exe
- Aranda.ADM.Utils.Installer.9.17.1.exe
- Aranda.Conserver.Installer.9.17.1.exe

Download links Windows Agent

- Agente.Windows.exe
- Agente.Windows.msi (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Download links Agent MacOs

- Agent.Mac.zip
- Agent.Mac.app.zip

Linux Download Links

- Agent.Linux.zip

Release Notes 9.17.0

ASD Failure - Software Distributions Failed to Run

PM-40885-19-201228

When performing a distribution in ADM, the execution fails, it is observed in the agent's log that the execution ID is left with negative numbers.

Adjustments are made in the ADM agent, to correctly apply distributions with a long history of executions in the database.

Aranda ADM Agent Enables TLS 1.0 and TLS 1.2 Insecure Communication Channel

PM-39262-19-201178

It is identified that the ADM agent when installed on workstations enables the support of insecure protocols such as TLS 1.0 and TLS 1.1.

Modification is made to the ADM agent to not enable TLS 1.0 and TLS1.1 communication channels Starting with version 9.17, only TLS 1.2 and TLS 1.3 protocols are supported. (These protocols are not supported by Windows 7 unless you have extended support from Microsoft; otherwise remote control and remote management will not work.)

Understanding Implemented Changes

Migrating the EMA Configuration to REACT Screen - ADM Console

- React improves the user experience when navigating the web application, due to the speed in loading pages, facilitates the maintenance of the application, making changes more agile. The Ema configuration screen is implemented in this release.
- EMA Display

Updated list of screens in REACT:

- Packages
- Measurement
- Proxy
- Application Catalog
- Event Registration
- Ema Configuration

Lot Size to be consolidated in metrix

The process of consolidating historical information on software usage is modified, limiting the number of records to be processed per batch for consolidation in the database. To do this, set the ASM_LotSizeToConsolidate in the table AFW_SETTINGS. To configure this parameter See Batch Size to Consolidate in ASM

Additional Notes or Instructions

In this release note you will find:

- ADM installation in a new database.
- ADM Migration from 9.16.4 to Version 9.17.0
- Upgrade to version 9.17.0
- Automatic Agent Update. Console version 9.17 will only be compatible with agent versions 9.14 at least. If the connection is direct to the repserver, only the agent is supported from version 9.14.
- Remote Support Viewer Update

- ADM is released with common version 9.7.2.18
- ADM is released with tests in the 9.5.34 unified database

The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. Download URL Rewrite.

⚠ Important:
- Starting with agent version 9.17, only TLS 1.2 or TLS 1.3 protocols are supported. (Note that these protocols are not supported in Windows 7 unless you have extended support at Microsoft.)
- Installation of the ADM, Conserver, and ADM Utils console requires the server to be running version 4.8. of the .NET framework (net48).
- Remember that in joint installations between Aranda products, you must have the same compatibility as the Common version.

Known Issues

- Every time the server where the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.

- The conserver depends on the operating system's own services to be able to start automatically, sometimes windows tries to start the service 'ArandaConserverWindowsServiceV9' before the operating system's own services necessary for the correct functioning of this service and fails.

  Workaround: Enter the machine where the conservator is installed and upload the service manually.

- In the summary of a pending update it is not possible to visualize the architecture in which the update is applied, Due to vendor restriction we cannot obtain this information before downloading the update.

  Workaround: view the details of the update after it is downloaded; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

  Workaround: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant** (https://docs.arandasoft.com/adm-ts/en).

Limitations

- Update rules are not triggered
- In installations with Multiinstance, an error occurs in the reporting module and they are not displayed.
- A time-out error may be generated when loading some packages. (Try loading the package again.)
- Multi-instance in the repserver for cloud environments is not supported.
- Discovery rules are not enabled with the "contains" operator, currently only works with the "=" operator

Installers 9.17.0

UpdatePack 9.17.0

ADM Download Links

- Aranda.ADM.Web.Installer.9.17.0.exe
- Aranda.ADM.Utils.Installer.9.17.0.exe
- Aranda.Conserver.Installer.9.17.0.exe

Download links Windows Agent

- [Agente.Windows.exe](#)
- [Agente.Windows.msi](#) (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Download links Agent MacOs

- [Agent.Mac.zip](#)
- [Agent.Mac.app.zip](#)

Linux Download Links

- [Agent.Linux.zip](#)

Release Notes 9.16

Release Notes 9.16.4

Software license information does not export the complete information.

PM-36491-19-201097:

It does not export the complete list of software licenses, it only exports 20 records.

Adjustments are made in the ADM console to export all license records.

ADM - ASMS synchronization. It does not bring a brand and model

PM-36198-19-201084

When synchronizing ADM inventory with ASMS CMDB version 9, it does not take the make and model fields.

Change is made in the ADM console, where the Model and Brand information is included in the IC overview, this information could previously be added as additional information **See CMDB Integration**.

Understanding Implemented Changes

CHG-36387-19-301000

ADM API Field Generation Request for Service Now Integration

- Processor Type
- Processor Speed

A new endpoint is created in ADM API with all the information related to the processors of the devices **View API Configuration**

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database.](#)
- [ADM migration from 9.16.3 to version 9.16.4](#)
- [Upgrade to Cloud Environments to version 9.16.4](#)
- [Automatic Agent Update](#). Version 9.16 of the console will only be compatible with agent versions 9.13 at least. If the connection is direct to the repserver, only the agent is supported from version 9.13

  - ADM is released with common version 9.6.5.16
  - ADM is released with tests in the 9.5.33 unified database

The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. **Download URL Rewrite**.

⚠ Important: Remember that in joint installations between Aranda products you must have the same compatibility as the Common version.

Known Issues

- Update rules are not activated.
- Every time the server where the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture in which the update is applied.
  Workaround- View the update details; Below the name is the installer with the version and architecture.
- Due to vendor restriction, it is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. It is necessary to complement it with a manual process.
- When the connection equals operating system, installed software, and removed software in the device rule, an error is presented in the ADM console.
- In installations with Multiinstance, an error occurs in the reporting module.
- A time-out error may be generated when loading some packages. (Try loading the package again.)
- Multi-instance in the repserver for cloud environments is not supported.
- Discovery rules are not enabled with the contains option.

Installers 9.16.4

UpdatePack 9.16.4

ADM Download Links

- [Aranda.ADM.Web.Installer.9.16.4.exe](#)
- [Aranda.ADM.Utils.Installer.9.16.4.exe](#)
- [Aranda.Conserver.Installer.9.16.4.exe](#)

Release Notes 9.16.3

Understanding Implemented Changes

MAC Agent

- The MAC agent version for the Aranda Asset Manager module is released for the Ventura version. [Supported versions MacOs](#)

Repserver

- Improvements are made in the communication of the repserver with MQTT, allowing only one connection to be made and it remains stable.

Package Screen Migration to REACT - ADM Console

- React improves the user experience when navigating the web application, due to the speed in loading pages, facilitates the maintenance of the application, making changes more agile. The package screen is implemented in this release.
- [Packages](#)

Updated list of screens in REACT:

- Packages
- Measurement
- Proxy
- Application Catalog
- Event Registration

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database.](#)
- [ADM migration from 9.16.2 to version 9.16.3](#)

- ADM is released with common version 9.6.5.16
- Released ADM with Testing in Unified Database 9.5.32
- Console version 9.16 will only support agent versions 9.13 or more.
- If the connection is direct to the repserver, only the agent is supported from version 9.13
  The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. [Download URL Rewrite](#).

Known Issues

- Update rules are not activated.
- Every time the server where the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.

- In the summary of a pending update, it is not possible to display the architecture in which the update is applied.
  Workaround- View the update details; Below the name is the installer with the version and architecture.

- No es posible instalar parches con extensión .iso . Se detectan las máquinas que lo necesitan, pero no se aplica el parche desde la consola.

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

  Workaround: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant** (https://docs.arandasoft.com/adm-ts/en).

- In installations with Multiinstance, an error occurs in the reporting module.
- Multi-instance in the repserver for cloud environments is not supported.
- Discovery rules are not enabled with the contains option.

Installers 9.16.3

UpdatePack 9.16.3

ADM Download Links

- [Aranda.ADM.Web.Installer.9.16.3.exe](#)
- [Aranda.ADM.Utils.Installer.9.16.3.exe](#)
- [Aranda.Conserver.Installer.9.16.3.exe](#)

Download links Windows Agent

- [Agente.Windows.exe](#)
- [Agente.Windows.msi](#) (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Download links Agent MacOs

- [Agent.Mac.sh](#)
- [Agent.Mac.zip](#)

Linux Download Links

- [Agent.Linux.sh](#)

Release Notes 9.16.2

ADM-Error Search Software with More Than 20 Versions

PM-35687-19-201067:

It is evident that it is not possible to search for software by name and version in the licensing search engine.

The search engine is adjusted so that it is able to perform the query by name and version separated by the character "-" as an example: SoftwareXXX-1234 [View software licensing in the ADM manual](#)

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database. ↪](#)
- [ADM Migration from 9.16.1 to Version 9.16.2 ↪](#)

- ADM is released with common version 9.6.5.8
- ADM is released with tests in the 9.5.31 unified database
- Console version 9.16 will only support agent versions 9.13 or more.
- If the connection is direct to the repserver, only the agent is supported from version 9.13
  The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. [Download URL Rewrite](#)

Known Issues

- Update rules are not activated.
- Every time the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture in which the update is applied.
  Workaround- View the update details; Below the name is the installer with the version and architecture.
- In installations with Multiinstance, an error occurs in the reporting module.
- Multi-instance in the repserver for cloud environments is not supported
- Discovery rules are not enabled with the contains option

-* <div style="text-align: justify"> It is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. </div>

- Due to vendor restriction, it is not possible to apply OS updates with .iso extension.

```
**Workaround**: In the following link you can see an example of script for Windows 10-1809 OS update using version **Windows installation assistant**
(https://docs.arandasoft.com/adm-ts/en).
```

Installers 9.16.2

UpdatePack 9.16.2

ADM Download Links

- [Aranda.ADM.Web.Installer.9.16.2.exe](#)
- [Aranda.ADM.Utils.Installer.9.16.2.exe](#)
- [Aranda.Conserver.Installer.9.16.2.exe](#)

Download links Windows Agent

- [Agente.Windows.exe](#)
- [Agente.Windows.msi](#) (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Release Notes 9.16.1

ADM-Discovery Rule-Problem tag

PM-31063-19-200900:

It is reported that the {{ DEVICE_NAME }} tag is not displayed in the mail configured in the discovery rule.

Adjustments are made in the ADM console so that the tag {{DEVICE_NAME}} is displayed correctly in the mail configured in the discovery rule.

ADM-Not allowed to deactivate a survey from the agent's profile

PM-32409-19-200944 :

It is evident that it is not possible to deactivate a survey from the agent's profile when you already have a previous configuration of additional fields in the survey.

Adjust functionality to disable the survey from the agent's profile.

ADM-High Consumption in Storage Account

PM-34080-19-201012:

High resource consumption is reported in storage from cruncher services.

The storage file query is adjusted to decrease the time it takes to check for outstanding inventory to be processed, thus reducing resource consumption.

ADM Software Uninstall Error

PM-34036-19-201008 :

Error in the uninstallation of software of some .MSI executables.

In Windows registry keys, each manufacturer lists the execute command to uninstall the software, detecting some inconsistencies with the information in the executables with extension (.MSI). Adjustments are made to the agent component, to correct the uninstall command when it is reported incorrectly.

Understanding Implemented Changes

Windows Agent Installer Modified for Language Handling English and Portuguese.

- Installing the Agent ↪

The repserver is added to the list of communication nodes in the agent's profile so that the agent can choose the repserver when the preserve is not available on the network

- Agent ↪ Profile

Additional Notes or Instructions

In this release note you will find:

- ADM installation in a new database. ↪
- ADM migration from 9.16.0 to version 9.16.1 ↪

- ADM is released with common version 9.6.5.8
- ADM is released with tests in the 9.5.30 unified database
- Console version 9.16 will only support agent versions 9.13 or more.
- If the connection is direct to the repserver, only the agent is supported from version 9.13
  The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. **Download URL Rewrite**

Known Issues

- Update rules are not activated.
- Every time the server where the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture in which the update is applied.
  Workaround- View the update details; Below the name is the installer with the version and architecture.
- Due to vendor restriction, it is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. It is necessary to complement it with a manual process.
- In installations with Multiinstance, an error occurs in the reporting module.
- Multi-instance in the repserver for cloud environments is not supported
- Discovery rules are not enabled with the contains option

Installers 9.16.1

UpdatePack 9.16.1

ADM Download Links

- ↪ Aranda.ADM.Web.Installer.9.16.1.2.exe
- ↪ Aranda.ADM.Utils.Installer.9.16.1.2.exe
- ↪ Aranda.Conserver.Installer.9.16.1.2.exe

Download links Windows Agent

- ↪ Agente.Windows.exe
- ↪ Agente.Windows.msi (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Release Notes 9.16.0

Removed software and hardware notification rules do not work

PM-29608-19-200810:

When parameterizing a removed software and hardware rule, the action of devices that met this condition was not executing.

Adjustments are made in the ADM console so that devices that meet the condition of software and hardware removed at the time of processing the HW/SF inventory generate the corresponding action.

High Database Consumption Queries

PM-28226-19-200736:

High CPU consumption is reported in the Azure database, with the Hardware and Software tables.

Hardware and Software inventory processing queries are tuned to decrease CPU consumption in the Azure database.

Understanding Implemented Changes

CHG-3618-19-300069:

- Added functionality to uninstall the agent on device removal. **(See Remove Device)** ↪

  ⚑ Note: In order for the agent to be successfully uninstalled in device removal, it must be online and must be connected to MQTT, otherwise only the device will be removed from the ADM console.

Linux Agent

- New version of Linux Agent supported versions is released; redhat 8.0, redhat 8.6, redhat 9 and Ubuntu 22-04 for the Aranda Asset Manager module.
- **Supported ↪ Versions**
- **Linux ↪ Agent Installation**
- For all Linux versions, clock synchronization functionality against the server is added.
- **Sync Clock ↪**

Additional Notes or Instructions

In this release note you will find:

- **ADM installation in a new database. ↪**
- **ADM migration from 9.15.2 to version 9.16.0 ↪**

- ADM is released with common version 9.6.5.8.
- ADM is released with in-house testing. Unified Database 9.5.29.
- Console version 9.16.0 will only support agent versions 9.13 or more.
- If the connection is direct to the repserver, only the agent is supported from version 9.13.
  The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. **Download URL Rewrite ↪**

Known Issues

- Update rules are not activated.
- Every time the server where the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture in which the update is applied.
  Workaround- View the update details; Below the name is the installer with the version and architecture.
- Due to vendor restriction, it is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. It is necessary to complement it with a manual process.
- In installations with Multiinstance, an error occurs in the reporting module.

Installers 9.16.0

UpdatePack 9.16.0

ADM Download Links

- **ADM. ↪ Web.Installer.9.16.0.9.exe**
- **↪ Aranda.ADM.Utils.Installer.9.16.0.9.exe**
- **↪ Aranda.Conserver.Installer.9.16.0.9.exe**

Download links Windows Agent

- **↪ Agente.Windows.exe**
- **↪ Agente.Windows.msi** (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Download links MAC Agent

- **↪ Agent.Mac.sh**
- **↪ Agent.Mac.zip**

Download links Agent Lunix

- **↪ Agent.Linux.sh**

Release Notes 9.15

Release Notes 9.15.2

Cruncher failure when processing some HW/SF inventories

PM-31407-19-200928:

The cruncher at the time of processing the HW/SF inventory of both desktop and server computers generated a primary key violation error with respect to the AAM_LOCAL_GROUP table, which did not allow obtaining the updated inventories of the computers that contained accents in the fields (domain, name) of the AAM_LOCAL_GROUP table and the name field in the AAM_DEVICE_PRINTER table.

Message : Violation of UNIQUE KEY constraint 'UX_AAM_LOCAL_GROUP'. Cannot insert duplicate key in object 'dbo. AAM_LOCAL_GROUP'.

Adjustments are made to the collate of the fields (domain, name) of the AAM_LOCAL_GROUP table and the name field in the AAM_DEVICE_PRINTER table, so that inventories that contain accents in these fields are distinguished in the database and do not generate an error message when processing them.

Understanding Implemented Changes

Implementation of authentication for mail server:

Oauth authentication is implemented in the configuration of the **Mail Server.**

Additional Notes or Instructions

In this release note you will find:

- ADM installation in a new database. ↪
- ADM migration from 9.15.1.5 to version 9.15.2 ↪

- ADM is released with common version 9.6.5.6.
- ADM is released with in-house testing. Unified Database 9.5.28.
- Console version 9.15 will only support agent versions 9.12 or more.
- If the connection is direct to the repserver, only the agent is supported from version 9.13.
  The required component URL Rewrite must be installed in the IIS before installing or upgrading ADM. **Download URL Rewrite ↪**

Known Issues

- Update rules are not activated.
- Every time the server where the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture in which the update is applied.
  Workaround- View the update details; Below the name is the installer with the version and architecture.
- Due to vendor restriction, it is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. It is necessary to complement it with a manual process.
- When the connection equals operating system, installed software, and removed software, the device rule presents an error in the ADM console.
- In installations with Multiinstance, an error occurs in the reporting module.
- Removed and added software device rules are not generated correctly.

Installers 9.15.2

UpdatePack 9.15.2

ADM Download Links

- ↪ Aranda.ADM.Web.Installer.9.15.2.exe
- ↪ Aranda.ADM.Utils.Installer.9.15.2.exe
- ↪ Aranda.Conserver.Installer.9.15.2.exe

Download links Windows Agent

- ↪ Agente.Windows.exe
- ↪ Agente.Windows.msi (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)

Download links Mosquitto Broker

- ↪ Broker_Mosquitto.pdf
- ↪ Aranda.ADM.MQTT.Broker.9.15.2.exe

IMPORTANT!

- A new MQTT installer (Aranda ADM MQTT Broker) is released, compatible for Multitenant environments, a maximum number of 10,000 device connections per server where MQTT is installed is suggested.
- To upgrade older versions of ADM to version 9.15.1.5, you must uninstall the old MQTT if it exists, and then install the new MQTT

Release Notes 9.15.1.5

Alert of change in IP's

PM-31079-19-200904:

Adjustments are made to the display of the alert generated by IP changes, detailing the previous and current ones correctly.

Incident updates - outdated 'STDeployerCore' dll

PM-29829-19-200831

Adjustments are made to download updates; in case there is a current version of the 'STDeployerCore' dll or any other plugin that is required, it is updated.

In case the update distribution project already exists in previous versions of ADM and when running the project the following error message is displayed.

"EE STPackageDeployer.cpp:1532** 'C:\ProgramData\Aranda\Aranda AGENT 9\temp\Executions\56\Installation\InstallationSandbox#2022-06-16-T-22-30-00\STDeployerCore.dll' Mismatch version. Expected version ('9.5.3530.0'), current version ('9.5.3582.0')"

The distribution project and packages from the update must be deleted from the ADM console and the update download must be rescheduled.

Devices such as switches, routers, printers are not appearing to be added to ADM groups

PM-31117-19-200908:

The device grouping query is adjusted, so that device, switch, router, and printer types are displayed and can be assigned to groups.

Mosquito log keeps too much data and does not allow it to be reviewed

PM-30258-19-200859

In the installations of previous versions, where eclipse mosquitto was used as an MQTT broker, simultaneous connection restrictions were evidenced in Windows operating systems, where the log cannot be segmented. To solve this, an own MQTT Broker was built, which has been installed in production with satisfactory results. Aranda MQTT Broker installer is created.

ADM Remote Control - MQTT Disconnect

PM-30209-19-200853:

Restrictions of simultaneous MQTT connections in Windows operating systems were evidenced, which prevented the remote desktop connection. To solve this, an own MQTT Broker was built, which has been installed in production with satisfactory results. Aranda MQTT Broker installer is created.

Workaround Implementation

PM-28325-19-200742:

The error was solved in previous versions, it could not be updated since the MQTT component had not been released for clients with Multitenant conserver, a new installer of Aranda MQTT BROKER is implemented, which can already be installed in Multitenant environments, a maximum number of 10,000 connections per server where MQTT is installed is suggested.

Understanding Implemented Changes

MAC AGENT Modifications:

Adjustments are made in the MAC Agent, to support the following functionality:

- Clock synchronization.

Implementation of new MQTT Broker

A new installer for Aranda MQTT Broker is developed, compatible for Multitenant environments.

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database. ↪](#)
- [ADM migration from 9.15.0.9 to version 9.15.1.5 ↪](#)

- ADM is released with common version 9.6.4.1.
- ADM is released with in-house testing. Unified Database 9.5.27.
- Console version 9.15 will only support agent versions 9.12 or more.
- If the connection is direct to the repserver, only the agent is supported from version 9.13.

Known Issues

- Update rules are not activated.
- Every time the server where the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture in which the update is applied.

Workaround- View the update details; Below the name is the installer with the version and architecture.

- Due to vendor restriction, it is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. It is necessary to complement it with a manual process.
- When the connection equals operating system, installed software, and removed software, the device rule presents an error in the ADM console.
- In installations with Multiinstance, an error occurs in the reporting module.
- Removed and added software device rules are not generated correctly.

Installers 9.15.1.5

UpdatePack 9.15.1.5

ADM Download Links

- ↪ Aranda.ADM.Web.Installer.9.15.1.5.exe
- ↪ Aranda.ADM.Utils.Installer.9.15.1.5.exe
- ↪ Aranda.Conserver.Installer.9.15.1.5.exe

Download links Windows Agent

- ↪ Agente.Windows.exe
- ↪ Aranda.Agent.Mac.sh
- ↪ Aranda.Agent.Mac.zip

Download links Mosquitto Broker

- ↪ Broker_Mosquitto.pdf
- ↪ Aranda.ADM.MQTT.Broker.9.15.1.5.exe

IMPORTANT!

- A new MQTT installer (Aranda ADM MQTT Broker) is released, compatible for Multitenant environments, a maximum number of 10,000 device connections per server where MQTT is installed is suggested.
- To upgrade older versions of ADM to version 9.15.1.5, you must uninstall the old MQTT if it exists, and then install the new MQTT

Release Notes 9.15.0.9

"Software usage detail" module does not display information.

PM-24364-19-200540:

The query processes of the Software Usage Detail screen by device are optimized.

Hard Drive Full Alerts

CHG-25708-19-300486:

The functionality is implemented in the rules module to generate full hard disk alerts. **Rules**

MAC Agent Modification

- Modifications are made to the MAC agent to support Apple Silicon M1 processors.
- The functionalities currently supported in MAC are the Aranda Asset Manager module except for the following functionalities:**Agent exceptions on macOS**
- Device Location
- Deleting Files by Extension
- Clock synchronization
- Virtualization
- Monitoring
- Sending messages
- Sending Commands (Only allowed with the current system user)

  ⚑ Note: Full disk access permissions must be given **Grant permissions**

- The following MAC versions are certified with both Intel and Apple Silicon M1 processors **Supported Versions**

Additional Notes or Instructions

In this release note you will find:

- ADM installation in a new database. ↪
- ADM migration from 9.14.2.3 to version 9.15.0.9 ↪

- ADM is released with common version 9.6.3.11.
- ADM is released with in-house testing. Unified Database 9.5.26.
- Console version 9.15 will only support agent versions 9.12 or more.
- If the connection is direct to the repserver, only the agent is supported from version 9.13.

Known Issues

- Update rules are not activated.
- Every time the server where the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the

ArandaConserverWindowsServiceV9 service when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture in which the update is applied.
  Workaround- View the update details; Below the name is the installer with the version and architecture.
- Due to vendor restriction, it is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. It is necessary to complement it with a manual process.
- Some updates are installed on computers and finish successfully, but in console, the execution is in the state In Execution.
- When the connection equals operating system, installed software, and removed software, the device rule presents an error in the ADM console.
- In installations with Multiinstance, an error occurs in the reporting module.
- Removed and added software device rules are not generated correctly.

Installers 9.15.0.9

UpdatePack 9.15.0.9

ADM Download Links

- ↪ [Aranda.ADM.Web.Installer.9.15.0.9.exe](#)
- ↪ [Aranda.ADM.Utils.Installer.9.15.0.9.exe](#)
- ↪ [Aranda.Conserver.Installer.9.15.0.9.exe](#)

Download links Windows Agent

- ↪ [Agente.Windows.exe](#)
- ↪ [Agent.UnixInstaller.app.zip](#)
- ↪ [Aranda.Agent.Mac.sh](#)
- ↪ [Aranda.Agent.Mac.zip](#)

Download links Mosquitto Broker

- ↪ [Broker_Mosquitto.pdf](#)
- ↪ [Aranda.ADM.MQTT.Broker.exe](#)

Release Notes 9.14

Release Notes 9.14.2.3

Error querying table AAM_NETWORKADAPTER_ADDRESS

PM-27546-19-200699:

A corresponding synonym is added to the AAM_NETWORKADAPTER_ADDRES table so that they do not generate errors in reports that already have the previous name of the table related AAM_NETWORKADAPTER_ADDRESS

ADM integration with ASMS fails

PM-28174-19-200732:

Made ADM integration adjustments when CMDB V9 is installed on an appservices that has a WAF configured.

Agent does not create file inventory.

PM-28890-19-200781:

Adjustments are made for handling special characters in the file name.

Cruncher Services Adjust

PM-28309-19-200740:

Once the ADM Cruncher services are deployed, they consume 100% of the CPU, it has not yet been configured from the console the first time.

Adjusted the cruncher services to include validations in the case of no previous configuration in the ADM console.

AFLS inventories are not processed correctly

PM-28889-19-200780:

AFLS processing is adjusted to exclude special characters when evaluating whether the file name already exists in the database.

Change Alerts IP Address

CHG-27242-19-300550:

Device Group - Adding serial information to devices

CHG-28079-19-300627:

Serial information is added to devices on the device groups page. **View Groups**

Additional Notes or Instructions

In this release note you will find:

- ADM installation in a new database. ↪
- ADM migration from 9.14.1.1 to version 9.14.2.3 ↪

- ADM is released with common version 9.6.3.7
- ADM is released with in-house testing. Unified Database 9.5.25.
- The console will only be compatible with two versions behind the agent, i.e. console version 9.14, agent in version 9.12 at least.
- If the connection is direct to the repserver, only the agent is supported from version 9.13

Known Issues

- Update rules are not activated.
- Every time the server where the conserver is installed is turned off, you should check that the service is up because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture to which the update applies.
  Workaround: View the upgrade details; Below the name is the installer with the version and architecture.
- Due to vendor restriction, it is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. It is necessary to complement it with a manual process.
- When the connection is the same for the operating system, installed software, and removed software, the device rule presents an error in the ADM console.
- In installations with Multi-instance, an error occurs in the reporting module.
- In installations with Multi-Instance, you must double-click on the logout button.

Installers 9.14.2.3

UpdatePack 9.14.2.3

ADM Download Links

- ↪ Aranda.ADM.Web.Installer.9.14.2.3.exe
- ↪ Aranda.ADM.Utils.Installer.9.14.2.3.exe
- ↪ Aranda.Conserver.Installer.9.14.2.3.exe

Download links Windows Agent

- ↪ Agente.Windows.exe

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- ↪ Broker_Mosquitto.pdf
- ↪ Aranda.ADM.MQTT.Broker.exe

Release Notes 9.14.1.1

APM- Error downloading two updates of different language (Windows 7)

PM-28357-19-200748:

Patch updates in multiple languages are adjusted for Windows 7 versions.

Understanding Implemented Changes

- Improvements are made to the distribution module, so that when performing a new run, distributions are not sent to devices that have already performed the execution successfully. (Would apply from new executions).
- In the event that an update with corrupted packages is sent to the agent, the execution is canceled and the error is displayed in the execution history. "Project does not match with execution information. Project information could be wrong, please check packages orders among other settings".
- In the Update Distribution module, it is added in the execution history, if the device requires a reboot at the end of the execution. "Execution was succesfull. Maybe it requires to reboot".

⚐ Note: When a restart of the machine is required, a message is displayed to the user confirming whether or not to restart the machine.

- In the distribution module, an error message is added to the execution history; if when downloading a distribution or an update, the device does not have enough space, after several attempts over 30 minutes waiting for it to have enough space to perform the update; After this time, the execution will be canceled, generating the following error message. "There is not enough disk space".

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database.](#) ↪
- [ADM migration from 9.14.0.11 to version 9.14.1.1](#) ↪

- ADM is released with common version 9.6.3.3.
- ADM is released with tests in the 9.5.23 unified database.
- The console will only be compatible with two versions behind the agent, i.e. console version 9.14, agent in version 9.12 at least.
- If the connection is direct to the repserver, only the agent is supported from version 9.13

Known Issues

- Update rules are not activated.
- Every time the server where the server where the conserver is installed is turned off, you should check that the service is up, taking into account that on some occasions the ArandaConserverWindowsServiceV9 service does not start when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture to which the update applies.
  Workaround- View the update details; Below the name is the installer with the version and architecture.
- Due to vendor restriction, it is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. It is necessary to complement it with a manual process.
- Some updates are installed on computers and finish successfully, but in the console, the execution is in the "Running" state.
- When the connection is the same for the operating system, installed software, and removed software, the device rule presents an error in the ADM console.
- In installations with Multiinstance, an error occurs in the reporting module.
- In installations with Multi-Instance, you must double-click on the logout button.

Installers 9.14.1.1

UpdatePack 9.14.1.1

ADM Download Links

- [↪ Aranda.ADM.Web.Installer.9.14.1.1.exe](#)
- [↪ Aranda.ADM.Utils.Installer.9.14.1.1.exe](#)
- [↪ Aranda.Conserver.Installer.9.14.1.1.exe](#)

Download links Windows Agent

- [↪ Agente.Windows.exe](#)

Download links Mosquitto Broker

- [↪ Broker_Mosquitto.pdf](#)
- [↪ Aranda.ADM.MQTT.Broker.exe](#)

Release Notes 9.14.0.11

MGHZ – GHZ Information

PM-26892-19-200659:

Adjustments are made in the MAC agent so that the Hardware information, on the processor side, is displayed in GHz.

ASM_SOFTWARE_USAGE_MONTH

PM-26701-19-200643:

Adjustments are made to the stored procedure in table ASM_SOFTWARE_USAGE_MONTH to have a summary of consumption usage by months.

Windows 11 Certification

PM-25722-19-200573:

Agents are certified to work on Windows 11 Pro, Enterprise, and Home versions.

Post-Collate Replacement Problem with Collatemgr Tool

PM-27532-19-200698:

An adjustment is made to the collatemgr installer, which fixes the error in importing bacpac into some databases.

Understanding Implemented Changes

Displays in the React ADM console

React improves the user experience when navigating the web application, due to the speed in loading pages, facilitates the maintenance of the application, making changes more agile.
The following screens are implemented in version 9.14 in Reat.

- [Measurement ↪](#)
- [Proxy ↪](#)
- [Application ↪ Catalog](#)
- [Event Registration ↪](#)

  ⚐ Note: The required URL Rewrite component must be installed in IIS where the ADM console was installed. [Download URL Rewrite](#)

Linux and MAC Agents

- Added automatic agent update functionality via the ADM console [See Automatic Agent Update](#)
- Command is included for uninstalling Linux and mac agents [See Installing the Agent on MacOS in the uninstall section](#) and [See Installing the Agent on Linux in the uninstall section](#)

In this release note you will find:

- [ADM installation in a new database. ↪](#)
- [ADM migration from 9.13.1.3 to version 9.14.0.11 ↪](#)

- ADM is released with common version 9.6.3.3.
- ADM is released with in-house testing. Unified Database 9.5.23.
- The console will only be compatible with two versions behind the agent, i.e. console version 9.14, agent in version 9.12 at least.
- If the connection is direct to the repserver, only the agent is supported from version 9.13

Known Issues

- Update rules are not activated.
- Every time the server where the server where the conserver is installed is turned off, you should check that the service is up, taking into account that on some occasions the ArandaConserverWindowsServiceV9 service does not start when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture to which the update applies.
  Workaround- View the update details; Below the name is the installer with the version and architecture.
- Due to vendor restriction, it is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. It is necessary to complement it with a manual process.
- Some updates are installed on computers and finish successfully, but in the console, the execution is in the "Running" state.
- When the connection is the same for the operating system, installed software, and removed software, the device rule presents an error in the ADM console.
- In installations with Multiinstance, an error occurs in the reporting module.
- In installations with Multi-Instance, you must double-click on the logout button.

Installers 9.14

UpdatePack 9.14

ADM Download Links

- [↪ Aranda.ADM.Web.Installer.9.14.exe](#)
- [↪ Aranda.ADM.Utils.Installer.9.14.exe](#)
- [↪ Aranda.Conserver.Installer.9.14.exe](#)

Download links Windows Agent

- [↪ Agente.Windows.exe](#)
- [↪ Agente.Linux.sh](#)
- [↪ Agente.Mac.sh](#)
- [↪ Agente.Mac.zip](#)

Download links Mosquitto Broker

- [↪ Broker_Mosquitto.pdf](#)
- [↪ Aranda.ADM.MQTT.Broker.exe](#)

Release Notes 9.13

Release Notes 9.13.1.3

Problem with software bundles

PM-23431-19-200522:

A scheduled task is created ASM_UPDATE_SOFTWARE_GROUPS, which runs every day at midnight and is responsible for updating the quantity in the software pool.

```
SELECT *FROM AFW_SCHEDULER where sche_id=72
```

Agent Distribution Rule by Rule over QUEUE Table Load, and WORKER_LOG

PM-23862-19-200533:

The Aranda DEVICE MANAGEMENT ADM console is modified, so that once the execution in distribution is finished or canceled, and if the email notification is active, the notification is allowed to be sent to the worker.

Problem getting the latest user in ADM

PM-25023-19-200554

Adjustments are made to the Aranda ASSET MANAGEMENT AAM inventory generated by Windows, Linux, and Mac agents so that it is displayed correctly by the last user who logged on to the device. This action will be performed, even if the inventory is generated without an active session on the device. The last user registered at the time of making the AAM (Hardware and Software) inventory will be the one who will be able to view the information.

IC module in ADM throws error

PM-26056-19-200587:

The request is adjusted from the ADM console when querying a CMDB CI allowing them to be displayed correctly.

Understanding Implemented Changes

Linux and MAC Agents

Linux (Ubuntu) and Mac (Catalina - Mojave - Big Sur) (Intel) agents are certified guaranteeing performance and pointing directly to the repserver or conserver with the changes made in version 9.13.1.3 in the conservar broker division.

Additional Notes or Instructions

In this release note you will find:

- [ADM installation in a new database. ↪](#)
- [ADM migration from 9.13.0.30 to version 9.13.1.3 ↪](#)

- ADM is released with common version 9.6.3.1.
- ADM is released with in-house testing. Unified Database 9.5.21.
- The console will only be compatible with two versions behind the agent, i.e. console version 9.13, agent in version 9.11 at least.
- If the connection is direct to the repserver, only the agent is supported in 9.13

Known Issues

- Update rules are not activated.
- Every time the server where the server where the conserver is installed is shut down, you should check that the service is up, because sometimes it does not start the ArandaConserverWindowsServiceV9 service when loading the operating system.
- In the summary of a pending update, it is not possible to display the architecture to which the update applies.

Workaround- View the update details; Below the name is the installer with the version and architecture.

- Due to vendor restriction, it is not possible to install patches with .iso extension. Machines that need it are detected, but the patch is not applied from the console. It is necessary to complement it with a manual process.
- Some updates are installed on computers and finish successfully, but in console, the execution is in a state In Execution.
- When the connection equals operating system, installed software, and removed software, the device rule presents an error in the ADM console.
- Software restriction policies are not activated.

Installers 9.13.1.3

UpdatePack 9.13.1.3

ADM Download Links

- [↪ Aranda.ADM.Web.Installer.9.13.1.3.exe](#)
- [↪ Aranda.ADM.Utils.Installer.9.13.1.3.exe](#)
- [↪ Aranda.Conserver.Installer.9.13.1.3.exe](#)

Download links Windows Agent

- [↪ Agente.Windows.exe](#)
- [↪ Agente.Windows.msi](#) (Windows Agent Installer, use for Domain Policy (GPO) deployments only.)
- [↪ Agente.Linux.sh](#)
- [↪ Agente.Mac.sh](#)
- [↪ Agente.Mac.zip](#)

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