Oracle Argus

Release Notes—What's New

Release 8.2.3.1
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Oracle Argus Release Notes—What's New, Release 8.2.3.1

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Contents

Preface

Documentation accessibility v
Related resources v
Access to Oracle Support v

1 What's New

Technology Stack 1-1
- Dictionary support 1-1

Oracle Argus Compatibility Matrix 1-1
Enhancements to Oracle Argus Safety 1-2
- Usage of EDQM Routes of Administration (RoA) and Dose Forms (DF) 1-2
- China NMPA E2B(R3) export 1-4
- MFDS E2B(R3) profile enhancement 1-8
- Populate Revision # and Date fields during E2B import 1-8
- Enhanced Japan PSR-NUPR report Remark column data 1-8
- Enhanced Japan PSR-NUPR Form 7-2 report to print Unknown 1-9
- Logout from Argus Enterprise application when invoked from the Global Home Page 1-9
- Populate Medicinal Product ID during E2B import for historical WHO drugs 1-10
- Increased CC and BCC fields data length 1-11
- Documentation updates 1-11

Enhancements to Oracle Argus Mart 1-11
- CASE_PROD_SIMILAR_INCID and CASE_PROD_SIMILAR_YEAR tables in the Mart schema 1-11
- SM field length change 1-11

Merged Patches 1-12
Download Oracle Argus 8.2.3.1 1-12
Install Oracle Argus 8.2.3.1 1-13
Upgrade to Oracle Argus 8.2.3.1 1-13
- Upgrade Oracle Argus Application 1-13
  - Upgrade the Oracle Argus Safety and Oracle Argus Insight web servers 1-13
  - Upgrade the Oracle Argus Safety and Oracle Argus Insight transaction servers 1-13
  - Upgrade the Oracle Argus Unblinding client 1-14

Upgrade Oracle Argus Database 1-14
Database upgrade version 1-14
Upgrade the Oracle Argus Safety database 1-14
Upgrade the Oracle Argus Insight database 1-15
Upgrade the Oracle Argus Mart database 1-15

Preface

This preface contains the following sections:

- Documentation accessibility
- Related resources
- Access to Oracle Support

Documentation accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

Related resources

For information about Oracle Argus patches, see My Oracle Support.

All documentation and other supporting materials are available on the Oracle Help Center.

Access to Oracle Support

To receive support assistance, determine whether your organization is a cloud or on-premises customer. If you're not sure, use Support Cloud.

Cloud customers receive support assistance through Support Cloud

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- Japanese interface of Oracle Health Sciences Customer Support Portal (https://hsgbu-jp.custhelp.com/)

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On-premises customers receive support assistance through My Oracle Support

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1

What's New

- Technology Stack
- Oracle Argus Compatibility Matrix
- Enhancements to Oracle Argus Safety
- Enhancements to Oracle Argus Mart
- Merged Patches
- Download Oracle Argus 8.2.3.1
- Install Oracle Argus 8.2.3.1
- Upgrade to Oracle Argus 8.2.3.1

Technology Stack

There is no change in the Oracle Argus 8.2.3.1 technology stack.

See:

- Dictionary support

Dictionary support

The following table lists the supported dictionary versions for this release:

Dictionary	Supported versions
MedDRA Dictionary	24.0 (Apr 2021), 24.1 (Sep 2021) 23.0 (April 2020), 23.1 (Sep 2020) 22.0 (Mar 2019), 22.1 (Sep 2019)
WHO Drug Dictionary (Format: B3 and C3)	Mar 2021, Sep 2021 Mar 2020 , Sep 2020 Mar 2019, Sep 2019
J Drug Dictionary	Apr 2021, Oct 2021 Apr 2020, Oct 2020 Apr 2019, Oct 2019

Oracle Argus Compatibility Matrix

Application	Compatible Version with this Argus Safety Release
Oracle Argus Insight	8.2.3.1
Oracle Argus Mart	8.2.3.1
Oracle Argus Analytics	8.2.1

Application	Compatible Version with this Argus Safety Release
Oracle Health Sciences Empirica Signal and Oracle Health Sciences Empirica Topics	9.2

Enhancements to Oracle Argus Safety

The following are the enhancements to Oracle Argus Safety:

- Usage of EDQM Routes of Administration (RoA) and Dose Forms (DF)
- China NMPA E2B(R3) export
- MFDS E2B(R3) profile enhancement
- Populate Revision # and Date fields during E2B import
- Enhanced Japan PSR-NUPR report Remark column data
- Enhanced Japan PSR-NUPR Form 7-2 report to print Unknown
- Logout from Argus Enterprise application when invoked from the Global Home Page
- Populate Medicinal Product ID during E2B import for historical WHO drugs
- Increased CC and BCC fields data length
- Documentation updates

Usage of EDQM Routes of Administration (RoA) and Dose Forms (DF)

Summary

Oracle Argus is enhanced to comply with the ICH regulations.

Description

The International Council for Harmonisation (ICH) published the *Use of EDQM terminologies for Dose Forms and Routes of Administration for Individual Case Safety Reports in E2B(R3) message* user guide, which includes:

- Details about EDQM API to access Standard Terms.
- Details on how to migrate E2B(R2) Routes of Administration text and Dose Form Text to the EDQM Standard Terms.
- Recommendation to send EDQM Term ID and version for Dose Formulation(DF) and Route of Administration(RoA).

To comply with the regulations, the following Oracle Argus Safety components are enhanced or introduced:

- EDQM Standard Term Dictionary Load utility
- Argus Code List
- Report mapping

EDQM Standard Term Dictionary Load utility

A new menu option is added under Argus Console, in the Tools menu. Click **Dictionary Management**, and then choose **EDQM**.

The new UI allows you to:

- Load the EDQM Standard Terms database in Argus.
- Maintain a local repository for the EDQM Standard Terms database.
- Synchronize the Argus code list for RoA and DF.

This utility is available to cloud and on-premise customers.

The CRO multi-tenant environment:

- Is available to a default enterprise only.
- Is available only to users with a Global Admin role.
- Performs system level updates.
- Refreshes the code list for all tenants (enterprises) in a multi-tenant environment.

Argus Code List

The following updates are implemented:

Factory data	The EDQM terms are provided as part of factory data as per the Standard Term List published on July 21, 2021. For more information, refer to the eTRM document. The latest terms for RoA and DF along with the EDQM Term ID can be loaded using the Dictionary Management > EDQM Load Utility.
Console > Code List > Routes of Administration	The Administration Route length was increased to 60 AN characters for English and Japanese terms. The EDQM Term ID is associated with the Administration Route term.
Console > Code List > Formulation	The EDQM Term ID is associated with the Formulation term.

Report Mapping

- ICSR Export
  The mapping logic is updated along with the OID changes to implement the EDQM standard term functionality:

Profile Template	Route of Administration Element	Dose Formulation Element
ICH-ICSR V3.0 MESSAGE TEMPLATE	DRUGADMINISTRATIONROUTETEXT [G.k.4.r.10.1]	DRUGDOSAGEFORM [G.k.4.r.9.1]
ICH-ICSR V3.0 MESSAGE TEMPLATE – EMA	DRUGROUTEOFADMINTERMIDVER [G.k.4.r.10.2a]	DRUGPHARMADOSEFORMTERMIDVER [G.k.4.r.9.2a]
ICH-ICSR V3.0 MESSAGE TEMPLATE – MFDS	DRUGROUTEOFADMINTERMID [G.k.4.r.10.2b]	DRUGPHARMADOSEFORMTERMID [G.k.4.r.9.2b]
ICH-ICSR V3.0 MESSAGE TEMPLATE – NMPA	DRUGPARADMINISTRATIONTEXT [G.k.4.r.11.1]	
	DRUGPARROUTEOFADMINTERMIDVER [G.k.4.r.11.2a]	
	DRUGPARROUTEOFADMINTERMID [G.k.4.r.11.2b]	

For an updated list of mappings for E2B(R3), refer to *ArgusInterchange8231_E2B (R3) Export Mappings.xlsx*.

- ICSR Import
  The ICSR Import mapping logic is updated for the following profile to decode DF and RoA based on the EDQM term ID:

Profile Template	Route of Administration Element	Dose Element for RoA and Formulation
ICH-ICSR V3.0 MESSAGE TEMPLATE - EMA	DRUGROUTEOFADMINTERMID [G.k.4.r.10.2b]	DRUGPHARMADOSEFORMTERMID [G.k.4.r.9.2b]
	DRUGADMINISTRATIONROUTETEXT [G.k.4.r.10.1]	DRUGDOSAGEFORM [G.k.4.r.9.1]
	DRUGPARROUTEOFADMINTERMID [G.k.4.r.11.2b]	
	DRUGPARADMINISTRATIONTEXT [G.k.4.r.11.1]	

For an updated list of mappings for EMA E2B(R3), refer to *ArgusInterchange8231_E2B (R3) Import Mappings.xlsx*.

- E2B Element Type changes
  The allowed values are cleared for the following elements:

Profile Template	Elements
ICH-ICSR V3.0 MESSAGE TEMPLATE ICH-ICSR V3.0 MESSAGE TEMPLATE – EMA ICH-ICSR V3.0 MESSAGE TEMPLATE – MFDS	DRUGROUTEOFADMINTERMID [G.k.4.r.10.2b] DRUGPARROUTEOFADMINTERMID [G.k.4.r.11.2b]

For more information on configuration and reporting, refer to the *EDQM Best Practices* document.

China NMPA E2B(R3) export

Summary

Oracle Argus is enhanced to schedule, generate, transmit, track, and submit E2B(R3) reports according to the Implementation guide published by NMPA.

Description

The National Medical Products Administration (NMPA), formerly known as the China Food and Drug Administration or CFDA, published the Regional implementation guide for E2B(R3) reporting in November 2019. The implementation guide defines 19 China specific E2B(R3) regional data elements and business rules regarding the submissions of E2B(R3) to the Center for Drug Reevaluation, NMPA, and to the Center for Drug Evaluation, NMPA.

Argus is now enhanced to schedule, generate, transmit, track, and submit E2B(R3) reports following the Implementation guide published by NMPA.

The following updates are implemented to support NMPA E2B(R3):

- Case Form
- Console
- Interchange mapping
- Reports generation, track, transmission and submission
- Validation and attachments

Case Form

The following Case Form field with multi-language data entry is introduced to generate NMPA E2B(R3) reports:

- Case Form > Product > Product Information > Related Device Comments

The following Case Form fields are enhanced for multi-language data entry to generate NMPA E2B(R3) reports:

- Case Form > General > Reporter Information > Institution
- Case Form > Patient and Parent > Pregnancy Information > Delivery Notes
- Case Form > Products > Product Information > Product Name
- Case Form > Products > Product Information > Generic Name

Console

The Standard and Flexible codelists are updated with additional factory data to generate NMPA E2B(R3) reports:

- Console > Code Lists > Argus > Case Classification
- Console > Code Lists > Argus > Ethnicity
- Console > Code Lists > Flexible re-categorization > CASE_CLASSIFICATION
- Console > Code Lists > Flexible re-categorization > ETHNIC_GROUP
- Console > Code Lists > Flexible re-categorization > ETHNICITY
- Console > Code Lists > Flexible re-categorization > MANUFACTURER
- Console > Code Lists > Flexible re-categorization > CAUSALITY_CATEGORY
- Console > Code Lists > Flexible re-categorization > ROUTE
- Console > Code Lists > Flexible re-categorization > FORMULATION

Interchange mapping

The ICH-ICSR V3.0 MESSAGE TEMPLATE – NMPA message profile template, with default mappings for export and conformance rules according to the NMPA guidelines, is now added for E2B(R3) reporting to NMPA.

The ICH-ICSR V3.0 ACKNOWLEDGEMENT TEMPLATE – ICH existing acknowledgment profile template is used to receive acknowledgment from NMPA.

The 19 China-specific E2B(R3) regional data elements are listed in the following table:

Element number	Element description	Argus UI source
C.1.CN.1	Source of Reports	Case Form > General > Case Classification
C.1.CN.2	Report Categories	Derived from: • Case Form > General > Reporter Information > Country • Case Form > General Information > Report Type • Case Form > General > Study Information > Observe Study Type
C.1.CN.3	Holder Identification	Code Lists > Reporting Destination > Local Company Contact > Lab Code
C.2.r.CN.1	Reporter's Email	Case Form > General > Reporter Information > Email
D.CN.1	Minority	Case Form > Patient > Patient Information > Ethnic Group
D.CN.2	Race	Case Form > Patient > Patient Information > Race Information > Race
D.CN.3	Medical Institution Name Data in Chinese	Case Form > General > Reporter Information > Institution
D.CN.4	Nationality	Case Form > Patient > Patient Information > Country
D.CN.5	Patient Telephone	Case Form > Patient > Patient Information > Phone
D.CN.6	Pregnancy Description Data in Chinese	Case Form > Patient or Parent > Pregnancy Information > Delivery Notes
G.k.CN.1	Generic Name of Drug Data in Chinese	Case Form > Products > Product Information > Generic Name
G.k.CN.2	Related Device Data in Chinese	Case Form > Product > Product Details > Related Device Comments
G.k.CN.3	Is the product owned by the holder	Derived from: • Console > Products and Licenses > License

Element number	Element description	Argus UI source
G.k.CN.4	Approval/Acceptance Number	Derived from: • Console > Studies > Clinical References >Reference Number • Console > Product > Licenses > License number
G.k.4.r.CN.1	Expiration Date/Date of Expiry	Case Form > Products > Dosage Regimens > Expiration Date
G.k.9.i.CN.1	Is the reaction unexpected?	Derived from: • Case Form > Events > Event Assessment > As Determined Listedness
G.k.9.i.CN.2	Did the reaction disappear or was the reaction relieved after the drug was withdrawn or the dose was reduced?	Derived from: • Case Form > Events > Product Event Details > Dechallenge Results • Case Form > Products > Product Details > Dechallange Results
G.k.9.i.2.r.CN.1	Original Reporter/ Source of Assessment	Case Form > Events > Event Assessment > Causality as Reported Source, Causality as Determined Source
G.k.9.i.2.r.CN.2	Result of Assessment	Case Form > Events > Event Assessment > Causality as Reported Result, Causality as Determined Result

For details of NMPA E2B(R3) mappings, validations and appendix, refer to the *ArgusInterchange8231_E2B (R3) Export Mappings.xlsx* eTRM document.

Reports generation, tracking, transmission and submission

The NMPA E2B(R3) report generation, track, transmission and submission is similar to the E2B(R3) framework in Argus. The report is generated in the HL7 format, with the appropriate comments embedded in XML, for an easy identification of the data elements.

The ICSR Viewer supports three views:

- XML view
- HL7 view
- Decoded view

You can send and track reports under Worklist > Bulk ICSR Transmit and Utilities > ICSR > ICSR Transmit Status. The AS2 protocol gateway support is provided to send and receive files.

Validation and attachments

The NMPA E2B(R3) profile is provided with validation rules as a part of factory data. The rules are based on the NMPA regulations. During the E2B(R3) report generation, the ICSR Validation verifies the case data against the rules and the ICSR validation report displays the list of failures.

The attachment types supported for NMPA E2B(R3) are provided as part of factory data in the newly introduced common profile switch in Reporting > E2B > File attachments allowed for the NMPA E2B(R3) Profile.

For more information on configuration and reporting, refer to the *China NMPA E2B(R3) Best Practices* document.

MFDS E2B(R3) profile enhancement

Summary

MFDS E2B R3 Updates - XML reference and business rules (Enhancement 32685684)

Description

The MFDS E2B(R3) profile is enhanced to include the following updates:

- The business rules published on March 9, 2021; March 16, 2021; April 6, 2021; May 27, 2021
- The XML file reference on February 8, 2021; May 27, 2021
- The xPath reference on May 27, 2021

For updates in mappings and validations for MFDS E2B(R3), refer to the *ArgusInterchange8231_E2B (R3) Export Mappings.xlsx* eTRM document.

For updates on best practices, refer to the *South Korea MFDS E2B(R3) Best Practices* document.

Populate Revision # and Date fields during E2B import

Summary

EU RSI datasheet REV # and Date not populating during E2B import (Enhancement 32826626)

Description

The Event assessment tab is now enhanced to display the datasheet name, the revision number and the datasheet approved date, when you import an incoming ICSR XML that contains a product with an associated datasheet.

> **Note:**
>
> If there is a follow-up for a legacy case created before the Argus 8.2.2 release, the Revision # and the approval date are displayed only if the event assessment re-calculation is triggered based on the new event or product.

Enhanced Japan PSR-NUPR report Remark column data

Summary

Japan PSR-NUPR form Remark column updates (Enhancement 33249454)

Description

Improved print options have been added for the Remark column data from the Japan PSR-NUPR report.

A new common profile switch is added in the Argus Japan > Reporting screen with the following options:

- Print Trade Name, Formulation, Strength, Drug code as available (set by default)
- Print Trade Name unknown when Formulation or Strength not available

If the **Print Trade Name, Formulation, Strength, Drug code as available** option is set:

- The existing printing logic is retained as it is.
- When the Strength field is not configured, then the **含量不明** text is printed.
- When the Formulation is unknown, then the **剤型不明** text is printed.
- When both Strength and Formulation are not available, then the **剤型、含量不明** text is printed.
- The Trade Name and Drug code are printed as well.

If the **Print Trade Name unknown when Formulation or Strength not available** option is set:

- The printing logic is updated.
- When the Strength field is not configured or when the Formulation is unknown or when both Strength and Formulation are not available, the **販売名不明** text is printed along with the Drug code.
- When the Trade name is configured with the Formulation or Strength within the Trade name, then the Formulation or Strength are not repeated while printing.

For more information, refer to the *Japanese PSR mapping document*.

Enhanced Japan PSR-NUPR Form 7-2 report to print Unknown

Summary

NUPR (PSR Form 7-2) to populate Unknown when there is no data to be printed (Enhancement 33090502)

Description

The PSR Form 7-2 (Paper form) now prints:

- **不明 (Unknown)** if no data is available, instead of leaving the following fields blank, in the below columns:
  - **性別 (Gender)**
  - **年齢 (Age)**
  - **副作用等発現　年　月　日 (Onset date of AE)**
- **[6]** in the **転帰 (Reaction Outcome)** field if no data is available.

Logout from Argus Enterprise application when invoked from the Global Home Page

Summary

Logout from Argus Enterprise application when invoked from Global Home Page (Enhancement 32973140)

Description

When you opened an enterprise from the Global Home Page and then clicked the logout button for Argus Enterprise, the application logged out from all enterprises. You had to close and re-open (or refresh) the Global Home Page to be able to navigate to the Single Sign-On screen and thus be prompted to sign back in.

The following updates are now implemented:

1. On the Global Home Page, the Logout option appears instead of the Close option.
2. The Logout option from the Global Home Page now logs out as per the URL configured in the Common Profile Switch, by selecting **Single Sign-On**, and then filling in the **Single Sign-On Logout URL** field in the Modify Single Sign-On window.
3. When the Logout option from Argus Enterprise is used, you remain logged in the Global Home Page and you can open another Argus enterprise without the need to sign in again.

Populate Medicinal Product ID during E2B import for historical WHO drugs

Summary

Populate Medicinal Product ID during E2B import on Patient/Parent > Other Relevant History for historical WHO drugs (Enhancement 32513193)

Description

When you import PATIENTDRUGNAME [B.1.8a / D.8.r.1] and PARENTDRUGNAME [B.1.10.8a / D.10.8.r.1], the WHO Medicinal Product ID on Patient/Parent > Other Relevant History > Historical drug is populated if WHO C3 format is set for the WHO drug dictionary and if there is a single match retrieved from the WHO drug table for the search criteria.

Refer to *ArgusInterchange8231_E2B (R2) Import Mappings.xlsx* for the following profiles:

- ICH R2
- FDA R2
- EMA R2
- PMDA R2

Refer to *ArgusInterchange8231_E2B (R3) Import Mappings.xlsx* for the following profiles:

- ICH R3
- EMA R3
- PMDA R3

Increased CC and BCC fields data length

Summary

Increase data entry length for Reporting Destination > SMTP > CC and BCC fields to 4000AN (Enhancement 33019722)

Description

The CC and BCC fields data length on the Code Lists drop-down > Argus option > Reporting Destination field > Add New Reporting Destination section > SMTP tab is increased from 1000 characters to 4000 characters to be able to configure more email addresses.

Documentation updates

The following guides have been added to the Oracle Argus Safety documentation:

- China NMPA E2B(R3) Best Practices
- Usage of EDQM Routes of Administration (RoA) and Dose Forms (DF) Best Practices

Enhancements to Oracle Argus Mart

The following are the enhancements to Oracle Argus Mart:

- CASE_PROD_SIMILAR_INCID and CASE_PROD_SIMILAR_YEAR tables in the Mart schema
- SM field length change

CASE_PROD_SIMILAR_INCID and CASE_PROD_SIMILAR_YEAR tables in the Mart schema

Summary

Safety tables CASE_PROD_SIMILAR_INCID and CASE_PROD_SIMILAR_YEAR are not brought over to Argus Mart (Enhancement 33194187)

Description

The application is enhanced to include the following device-related tables:

- RM_CASE_PROD_SIMILAR_INCID
- RM_CASE_PROD_SIMILAR_YEAR

These tables are added in the Mart schema and point to the CASE_PROD_SIMILAR_INCID and the CASE_PROD_SIMILAR_YEAR tables in Argus Safety to support Oracle Analytics Server reporting on devices.

SM field length change

Summary

Impacted SM fields length change (Enhancement 33263273)

Description

The length of the following SM fields is changed from 20 to 60 characters due to field length changes in the Argus Safety implementation, as part of the EDQM requirements:

TABLE_NAME	COLUMN_NAME
SM_PRODUCT	PAR_ROUTE_SU_V2
SM_PRODUCT	ROUTE_SU_V2
SM_PRODUCT	PAR_ROUTE_SU_VE
SM_PRODUCT	ROUTE_SU_VE
SM_PRODUCT	PAR_ROUTE_V2
SM_PRODUCT	ROUTE_V2
SM_PRODUCT	PAR_ROUTE_VE
SM_PRODUCT	ROUTE_VE
SM_DOSE	DOSE_ROUTE_SU_V2
SM_DOSE	DOSE_ROUTE_SU_VE
SM_DOSE	DOSE_ROUTE_V2
SM_DOSE	DOSE_ROUTE_VE

Merged Patches

The bug fixes from the following patches are merged with Oracle Argus 8.2.3.1:

- 8.2.1.201
- 8.2.1.8
- 8.2.1.801
- 8.2.2.2
- 8.2.3.001

Download Oracle Argus 8.2.3.1

Execute the following steps to download the patch from My Oracle Support (MOS):

1. Open an MOS (https://support.oracle.com) session in a browser.
2. Click the **Patches & Updates** tab.
3. In the **Patch Name** or **Number** field, enter the patch ID.
   - Oracle Argus Safety and Oracle Argus Insight—`32989729`
   - Oracle Argus Mart—`33244193`
4. Click **Search**.
5. Click **Download** and save the compressed file to a temporary location on your local system.
6. Locate the downloaded file and extract it to a temporary directory. The file contains the Oracle Argus 8.2.3.1 Installer.

Install Oracle Argus 8.2.3.1

To install Oracle Argus Safety and Oracle Argus Insight, see the Oracle Argus Safety and Oracle Argus Insight 8.2.3 Installation Guide.

To install Oracle Argus Mart, see the Oracle Argus Mart 8.2.2 Installation and Administration Guide.

Upgrade to Oracle Argus 8.2.3.1

In this section:

- Upgrade Oracle Argus Application
- Upgrade Oracle Argus Database

Upgrade Oracle Argus Application

Upgrade the Oracle Argus Safety and Oracle Argus Insight application to version 8.2.3.1 using the following sections:

- Upgrade the Oracle Argus Safety and Oracle Argus Insight web servers
- Upgrade the Oracle Argus Safety and Oracle Argus Insight transaction servers
- Upgrade the Oracle Argus Unblinding client

Upgrade the Oracle Argus Safety and Oracle Argus Insight web servers

1. Log in as an administrator and stop Microsoft IIS (Internet Information Server).
2. Stop the `Argusvr2.exe` and `Argusvr2a.exe` processes.

   Alternatively, make sure these processes are not running.
3. Copy the patch contents to the local server for upgrade and run the *`Software Path`*`\Argus Safety\Setup.exe` utility.
4. When the setup is completed, reboot the server.

Upgrade the Oracle Argus Safety and Oracle Argus Insight transaction servers

1. Log in to the computer as an administrator.
2. Stop the Oracle Argus Safety and Oracle Argus Insight services.
3. Wait for the `AGProc.exe`, `E2BReceive.exe`, and `ESMProc.exe` processes to shut down.
4. Copy the patch contents to the local server for upgrade and run the *`Software Path`*`\Argus Safety\Setup.exe` utility.
5. When the setup is completed, reboot the server.
6. Start the Oracle Argus Safety and Oracle Argus Insight services.

Upgrade the Oracle Argus Unblinding client

1. Log in to the computer as an administrator.
2. Stop all running instances of the `EOSU.exe` process.
3. Copy the patch contents to the local server for upgrade and run the *`Software Path`*`\Argus Safety\Setup.exe` utility.
4. When the setup is completed, reboot the server.

Upgrade Oracle Argus Database

In this section:

- Database upgrade version
- Upgrade the Oracle Argus Safety database
- Upgrade the Oracle Argus Insight database
- Upgrade the Oracle Argus Mart database

Database upgrade version

You can upgrade database from either of the following versions:

- Oracle Argus Safety
  - 8.1
  - 8.1.1
  - 8.1.2
  - 8.1.2.1 to 8.1.2.6
  - 8.1.3 to 8.1.3.2
  - 8.2
  - 8.2.0.1 to 8.2.0.8
  - 8.2.1 to 8.2.1.801
  - 8.2.2 to 8.2.2.2
  - 8.2.3
  - 8.2.3.001
- Oracle Argus Insight
  - 8.1 to 8.2.3.1 including merged patches

Upgrade the Oracle Argus Safety database

Upgrade the Oracle Argus Safety database from 8.1.x to 8.2.3.1

1. Validate the source Oracle Argus Safety database using the CTL Schema Validation source version by executing the Schema Validation batch file located at *`Software`*

Path\Database\ArgusSafety\SchemaValidation\SchemaValidation.bat.

2. Verify the validation log file, and make sure that there are no errors, or missing and invalid objects.
3. Open the command prompt with administrator rights, and browse to .*Software Path*\Database\ArgusSafety\ on the patch folder.
4. Run the dbinstallerUI.bat file and follow the message prompts on the screen to complete the database upgrade.
5. When the database upgrade is complete, review the log file for any errors.

For more details, refer to the Oracle Argus Safety and Oracle Argus Insight 8.2.3 Installation Guide.

Upgrade the Oracle Argus Insight database

Prerequisites

Check the prerequisites as mentioned in the Oracle Argus Safety and Oracle Argus Insight 8.2.3 Installation Guide.

Upgrade the database

1. To upgrade the database, refer to the Oracle Argus Safety and Argus Insight 8.2.3 Installation Guide, Chapter 16 Upgrade the Oracle Argus Insight Data Mart Structure.
2. Verify the log file from the specified path in the guide.
3. Execute a query on the CMN_PROFILE_GLOBAL table for

```
WHERE section = 'DATABASE' AND key = 'DDL_VER'
```

> **Note:**
>
> Make sure that the 8.2.3.1 key exists.

Upgrade the Oracle Argus Mart database

Run the installer

1. Log in to the Oracle Argus Safety transaction server where Oracle Argus Mart is already installed.
2. Download the patch and extract the patch zip file to a temproray location. For example: C:\temp\AM_8231
3. From the folder where the Oracle Argus Mart 8.2.3.1 installer is extracted, run the setup.exe file.
4. On the main screen, click **Next**.
5. On the Specify Home Details screen, select the existing Oracle Argus Mart home from the drop-down list and click **Next**.
6. Choose the **Upgrade** option from the screen and click **Next**.
7. On the Summary screen, verify the details and click **Install**.

8. When the installation is complete, click **Exit**.

Upgrade the database

1. Log in to Oracle Argus Mart transaction server.
2. Navigate to *Argus Mart Home*\Database\DBInstaller. For example: C:\ArgusMart8231\Database\DBInstaller.
3. Open the DBInstaller.properties file, and modify the following parameters:
   - Mart Database:
     - db_connect_string—connects to the Argus Mart database.
       Syntax: db_connect_string=<host>:<port>/<service name>

       For example, db_connect_string=server.us.xx.com:1521/db

       Or, db_connect_string=server.us.xx.com:1521/db.us.xx.com
   - dba_user—specifies the name of the Install user to run Argus Mart Liquibase Install.
     See Oracle Argus Mart 8.2.2 Installation and Administration Guide, Create the Install User.
   - Mart User of each schema, where password is optional:
     - appschema_sm_mart
     - appschema_sm_stage
     - appschema_sm_app
     - appschema_etl_user
     - appschema_rls_user
     - appschema_bi_user
   - Safety Database:
     - safety_db—Oracle Argus Safety database instance name
     - safety_ro_user—Oracle Argus Mart read-only user created in Oracle Argus Safety

   > **Note:**
   >
   > For more information on these parameters, refer to the Oracle Argus Mart 8.2.2 Installation and AdministrationGuide, Create the Oracle Argus Mart Database Structure - Overview of the dbinstaller.properties file.

4. From the command prompt, go to the DBInstaller directory, and execute the dbinstaller.bat file.
   The Liquibase upgrade begins, and the parameters (as entered) appear on the command prompt screen with password in the hidden mode (****).
5. Monitor the Liquibase progress by querying the Liquibase Log table mart_dbchangelog, created in the AM_MART_USER schema.
   When the process is complete, a confirmation message appears with the latest version of Oracle Argus Mart.

6. Validate the schema using the schema validation control file `VLDN_AM_8.2.3.1.CTL`. For more information, refer to the Oracle Argus Mart 8.2.2 Install Guide, Create the Oracle Argus Mart Database Structure-Validate the Schema.