

Oracle® Health Sciences Information Manager

Release Notes



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Oracle Health Sciences Information Manager

This patch set contains the installer for Oracle Health Sciences Information Manager 4.0.4 and is distributed in the form of a .zip file, which contains the ReadMe_OHIM_4_0.htm Readme file. For complete details, see the [Installation](#) chapter.

- [Fixed Issues](#)
Oracle Health Sciences Information Manager 4.0.4 includes one enhancement and two bug fixes that improve functionality.

Fixed Issues

Oracle Health Sciences Information Manager 4.0.4 includes one enhancement and two bug fixes that improve functionality.

Table 1-1 Issues fixed in Oracle Health Sciences Information Manager 4.0.4

Enhancement or Bug Number	Description
Enhancement 39795204	ITI-62 DeleteDocumentSet processing generated SQL statements with a variable number of bind parameters based on the number of UUIDs in each request. This could result in multiple SQL text variations, requiring additional parsing and potentially different execution plans in the Oracle Database. ITI-62 DeleteDocumentSet processing has been enhanced to support HRL database collection-based binding for the affected lookup, validation, and delete queries. When collection binding is enabled, the SQL text remains consistent regardless of the number of UUIDs in the request, improving SQL cursor reuse and reducing unnecessary parsing overhead. This behavior is controlled by the following property in the localregistry section of xconfig.xml: <pre><Property name="ITI62CollectionBindEnabled">false</Property></pre> • When set to true, ITI-62 DeleteDocumentSet processing uses the HRL database collection type for the affected SQL queries. • When set to false, or when the property is not configured, the default existing variable-length scalar bind behavior is used. The default value is false. There is no change to the functional behavior of the ITI-62 DeleteDocumentSet transaction. Note: Before enabling ITI-62CollectionBindEnabled, create the following collection type in the HRLCORE schema: • CREATE OR REPLACE TYPE HRL_UUID_TABLE_TYPE AS TABLE OF VARCHAR2(100);/ The HRL_UUID_TABLE_TYPE type is used to pass a variable number of UUIDs as collection binds while maintaining consistent SQL text.

Table 1-1 (Cont.) Issues fixed in Oracle Health Sciences Information Manager 4.0.4

Enhancement or Bug Number	Description
Bug 39970525	When an ITI-62 DeleteDocumentSet request contained the same ObjectRef UUID more than once, the RLS-ITI-62 service could incorrectly return an UnresolvedReferenceException. Although the referenced object existed in the registry, only one occurrence of the UUID was removed during validation. The remaining duplicate occurrences were incorrectly reported as objects not found in the registry. The RLS-ITI-62 DeleteDocumentSet Service now removes duplicate ObjectRef UUIDs before validating the registry references. When an ITI-62 DeleteDocumentSet request contains a repeated UUID, RLS processes the UUID as a single logical reference. If the object exists in the registry, it is no longer incorrectly included in the unresolved-reference error response.
Bug 39710973	The OHIM-XPID module previously used Apache MINA Core version 2.1.10, which was affected by the publicly reported security vulnerability CVE-2026-42779. The OHIM-XPID module now uses Apache MINA Core version 2.1.15, which includes the applicable security fix for CVE-2026-42779.

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Installation

To install the Oracle Health Sciences Information Manager patch, you need to download the patch and run the installer.

See the following topics for details.

- [Download the patch](#)
Oracle distributes the release patch set as a zip file.
- [Install the patch](#)
After you download the patch set file (p39795204_404_Generic.zip) to a temporary directory <ohim404_patch_dir> on the middle tier, you can install the patch.
- [Post-installation steps](#)
After installing the patch, perform the required post-installation steps.

Download the patch

Oracle distributes the release patch set as a zip file.

To locate and download the patch set:

1. Log in to My Oracle Support at support.oracle.com/signin.
2. Click the **Patches & Updates** tab. The Patches and Updates page opens and displays the Patch Search region.
3. In the **Patch Name** or **Number** field, enter the primary bug number fixed in this patch (**39795204**).
4. Select **Search** to open the Patch Search page to the patch you requested.
5. Select the patch number. You can review details about the patch. You can also review the Readme file before downloading the patch.
6. Select **Download** to open the File Download page.
7. Browse to a temporary directory where you want to download the file. Select **Continue**.
8. Select **Save**.
9. Transfer the patch .zip file to the necessary servers.

Install the patch

After you download the patch set file (p39795204_404_Generic.zip) to a temporary directory <ohim404_patch_dir> on the middle tier, you can install the patch.

To install the patch:

1. Extract the contents of the patch set file (p39795204_404_Generic.zip) to a temporary directory <ohim404_patch_dir> on the middle tier. The following directories and files are extracted:
 - **common**—Contains the following third-party library to be used for the XPID module:

- mina-core-2.1.15.jar
 - **hrl**—Contains the following artifact for the Health Record Locator (HRL) module:
 - Updated hrlapp.ear file to be deployed on the WebLogic server.
 - **xpid**—Contains the following jar file for XPID module:
 - Updated ihe-mpi-hl7v2-management.jar file to be copied on to the XPID HL7v2 installation directory.
 - Updated xpid.ear file to be deployed on the WebLogic server.
 - **ReadMe_OHIM_4_0_4.htm**—Contains the location of the most current user documentation and release notes.
2. Ensure the WebLogic Admin and HIM Managed servers are up and running.
 3. Before you apply the patch, back up the HRL 4.0.2/4.0.3 ear file in case you want to revert.
 4. Deploy the new rlsservices hrlapp ear module as follows:
 - a. Navigate to the WebLogic Web administration interface and undeploy the hrlapp EAR module (rlsservices).
 - b. Select Local packaged file or directory that is accessible from the Application Server.
 - c. Browse to the <ohim404_patch_dir> directory where you have extracted the patch file to select and deploy the ear file.
 5. Back up the XPID ear file in case you want to revert.
 6. Deploy the new XPID ear module as follows:
 - a. Navigate to the WebLogic Web administration interface and undeploy the XPID EAR module.
 - b. Select Local packaged file or directory that is accessible from the Application Server.
 - c. Browse to the <ohim404_patch_dir> directory where you extracted the patch file to select and deploy the XPID ear file.

Post-installation steps

After installing the patch, perform the required post-installation steps.

To perform the post-installation steps:

1. Stop the WebLogic Admin and HIM Managed Servers.
2. Connect to the HRLCORE database schema and create the following database type:
 - CREATE OR REPLACE TYPE HRL_UUID_TABLE_TYPE AS TABLE OF VARCHAR2(100);/
3. Add the following property to the xconfig.xml file under the localregistry section:

```
<Property name="ITI62CollectionBindEnabled">false</Property>
```

 - When set to **true**, ITI-62 DeleteDocumentSet processing uses the HRL database collection type for the affected SQL queries.
 - When set to **false**, or when the property is not configured, ITI-62 DeleteDocumentSet processing uses the existing variable-length scalar bind behavior. The default value is false.

Note

The xconfig.xml file is located at <HRL_DOMAIN>\config\hrl\config\xconfig.xml.

4. For the HIM XPID module, do the following:

Note

If you are using the HIM XPID module, make sure that the HIM XPID module (rls-hl7v2-lifecycle-module.zip) file is already extracted on the middle tier and that you configured the RLS_IHE_HL7V2_HOME variable to the extracted directory in the xpid.properties file.

- Copy <ohim404_patch_dir>/common/mina-core-2.1.15.jar file to <RLS_IHE_HL7V2_HOME>/lib.
 - Copy <ohim404_patch_dir>/xpid/ihe-mpi-hl7v2-management.jar file to <RLS_IHE_HL7V2_HOME>/lib.
 - Remove mina-core-2.1.10.jar file from <RLS_IHE_HL7V2_HOME>/lib.
5. Start the WebLogic Admin and HIM Managed Servers.
 6. For the HIM Policy Monitor module, do the following:

Note

If you are using the HIM Policy Monitor module, make sure that the PM module is stopped once the following files are copied to the Policy Monitor installation directory <ARR_HOME>, and then restart the Policy Monitor.

- Copy <ohim404_patch_dir>/common/mina-core-2.1.15.jar file to <ARR_HOME>/lib.
- Update <ARR_HOME>/bin/arr.bat file to use mina-core-2.1.15.jar in the classpath.
- Update <ARR_HOME>/bin/arr.sh file to use mina-core-2.1.15.jar in the classpath.
- Update <ARR_HOME>/bin/arrd-start.sh file to use mina-core-2.1.15.jar in the classpath.
- Remove mina-core-2.1.10.jar file from <ARR_HOME>/lib.

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Product Documentation

Oracle Health Sciences Information Manager comes with a full set of documentation.

You can find product documentation in the following **Oracle Help Center** location: <https://docs.oracle.com/en/industries/health-sciences/information-manager/index.html>

Oracle may not update all documents for every release. Therefore, you may see a release with guides that include different versions. For example, Release Notes can show the latest patch version number and the User Guide shows the full release number.