Contents

Read the Informatica® *Multidomain MDM Release Notes* to learn about known and fixed limitations, enhancements, and support changes. The *Multidomain MDM Release Notes* also include information about installation and upgrade issues and workarounds.

Installation and Upgrade

Multidomain MDM has some known limitations related to installing and upgrading the product. Before you begin, review these issues.

Before You Install or Upgrade

Some known limitations can affect your install or upgrade experience. To avoid potential issues, ensure that you review the following issues and complete any workarounds before you upgrade. Then review the environment-specific installation and upgrade issues.

Install Java Development Kit

If you use Oracle Java runtime environment (JRE), install JRE 1.8, update 144 or later on the machines on which you want to launch the Hub Console. JRE 1.8, update 144 or later is required for the Batch Viewer in the Hub Console.

(MDM-18910)

Hub Server Installation in Non-English Environments

When you install the MDM Hub in a language other than English with JDK 1.8 or later, you need to enter the language code.

1. To launch the installer, open a command prompt, navigate to the Hub Server installation directory, and enter the following command:

    ```
    hub_install.exe -l <language code>
    ```

Where <language code> is your preferred language. Use the language code for one of the following languages:

Language	Language Code
Brazilian Portuguese	pt_BR
French	fr
German	de
Japanese	ja
Korean	ko
Russian	ru
Simplified Chinese	zh_CN
Spanish	es

(MDM-14224)

Hub Server Installation Without Prerequisites Validation

When you run the Hub Server installer without the prerequisites validation, the database password prompt requires a dummy value.

1. To start the Hub Server installer without the prerequisites validation, run the following command:

   ```
   hub_install.bin -DSIPERIAN_INSTALL_PREREQ_VALIDATION=false
   ```

2. When prompted for the database password, enter a dummy value.

   The installation continues. If you do not specify a dummy value, the installation fails. (MDM-10975)

Upgrade Installation for Entity 360 View

When you upgrade the Hub Server, the `entity360view.ear` sometimes fails to install due to a timed out error.

Workaround: You can run the installation components `patchInstallSetup` or `postInstallSetup` again.

Alternatively, run the following command from the `<MDM Hub installation directory>/hub/server/bin` folder:

```
./sip_ant.sh -Dentity360view.ear.dodeploy=true deploy.entity360view-ear
```

Upgrade Hierarchies

When you copy relationships in Hierarchy Manager and create them as hierarchy relationships, you might copy a relationship loop and create a hierarchy with a relationship loop at the root business entity. However, Data Director cannot display hierarchies for records with data loops at the root business entity level.

For example, in the Organization hierarchy, a relationship loop exists from the Organization root business entity to the Organization root business entity. Then in Data Director, if a data loop exists from the Informatica record to the Informatica record, Data Director cannot display the hierarchy for the Informatica record.

Before you upgrade, review your relationships in Hierarchy Manager to ensure that you do not have relationship loops from one business entity to the same business entity. If you have relationship loops in Hierarchy Manager, after you upgrade, you might have to restructure your relationships.

Workarounds:

- Add another business entity as the root business entity in the hierarchy model.
- Create the relationship as a network relationship instead.

For more information about upgrading hierarchies, see the *Multidomain MDM Upgrade Guide*.

(MDM-30963)

Creating or Updating Operational Reference Stores for Specific Locales

When you run the `sip_ant` script to create or update Operational Reference Stores, you are prompted to enter the operating system locale. If the prompt does not list your operating system locale, select the default locale `en_US`.

(MDM-31496)

IBM Environments

The following issues affect Multidomain MDM when installed with IBM AIX, IBM Db2, or IBM WebSphere.

Configuring Single Sign-On Authentication for Data Director in IBM Db2 Environments

In IBM Db2 environments, when you configure Single Sign-On (SSO) authentication for Data Director, you upload a custom login provider package in Data Director Configuration Manager. If the size of the custom login provider package is greater than 1 MB, Data Director Configuration Manager cannot save the package.

To configure SSO by using a custom login provider package that is greater than 1 MB, perform the following steps:

1. Run the following Db2 database command:

   ```
   UPDATE C_REPOS_COLUMN SET DATA_LENGTH = 50000000 WHERE TABLE_NAME =
   'C_REPOS_DS_LOGIN_SETTINGS' AND COLUMN_NAME = 'BLOB_DATA'
   ALTER TABLE C_REPOS_DS_LOGIN_SETTINGS ALTER COLUMN BLOB_DATA SET DATA TYPE
   BLOB(50M)
   REORG TABLE C_REPOS_DS_LOGIN_SETTINGS
   COMMIT
   ```

2. In Data Director Configuration Manager, use the **Login Provider Settings** page to upload the custom login provider package.

(MDM-31317)

Deploying the Process Server in IBM WebSphere

When you deploy the Process Server in the WebSphere environment, versions 10.4 HotFix 3 and 10.4 HotFix 2 of the Siperian server .jar files coexist in the deployment directory. As a result, some tasks such as file import, fail at runtime.

Workaround:

1. Manually uninstall the `siperian-mrm-cleanse.ear` file.

2. Delete the `siperian-mrm-cleanse.ear.ear` file from the following folder:

   `<websphere home>/installedApps`

3. Run the `postinstallsetup` script.

Oracle Environments

The following issues affect Multidomain MDM when installed with Oracle database or Oracle WebLogic.

Oracle WebLogic 12.2.1.3

When you use Oracle WebLogic version 12.2.1.3 with Multidomain MDM version 10.4, the following additional steps are required to address some known limitations.

Apply a patch to WebLogic 12.2.1.3

Ensure that your WebLogic 12.2.1.3 environment includes the following patch:
`p26923558_122130_Generic.zip`

(MDM-18967)

Configure the Java Virtual Machines for WebLogic 12.2.1.3

To configure a Java Virtual Machine (JVM), set the Java options by using the `JAVA_OPTIONS` environment variable.

You can set the Java options in the following file:

On UNIX. `<WebLogic domain>/bin/setDomainEnv.sh`

On Windows. `<WebLogic domain>\bin\setDomainEnv.cmd`

The following table describes the Java options:

Java Options	Description
-Djavax.wsdl.factory.WSDLFactory	Required to invoke a service WSDL that might have a default namespace prefix. Set to the following value: `com.ibm.wsdl.factory.WSDLFactoryImpl`
-DANTLR_USE_DIRECT_CLASS_LOADING	Required to launch the WebLogic Server on which the MDM Hub is deployed. Set to `true`.

Update the Hub Server build properties

Edit the Hub Server `build.properties` file to set the following property:

```
weblogic.version=10.x
```

(MDM-22366)

Deploy the Resource Kit .ear files

If you install the Resource Kit, the `.ear` files are not deployed automatically. You need to edit the classpath in the `sip_ant` script, run the post installation script, and deploy the `.ear` files from the WebLogic Administration Console.

Note: The following example procedure refers to `.sh` files and uses the syntax for a UNIX system.

1. If the post installation fails, navigate to the following directory:
   `<MDM Hub installation directory>/hub/server/resourcekit/bin`

2. Open the `sip_ant.sh` file.

3. Find the following text and delete `$WLS_CLASSPATH`:

   ```
   $JAVA_HOME/jre/bin/java \
   $USER_INSTALL_PROP \
   -Xmx512m -classpath \
   $SIP_HOME/deploy/lib/ant.jar:$SIP_HOME/deploy/lib/ant-launcher.jar:$SIP_HOME/
   deploy/lib/ant-nodeps.jar:$WLS_CLASSPATH
   \
   org.apache.tools.ant.Main \
   $PARAM
   ```

4. Save the file.

5. Run `./postinstall.sh -Dweblogic.password=<password>`.

The process saves the generated .ear files in the following location: `<MDM Hub installation directory>/hub/serverresourcekit/bin/deploy/deployed_ears`.

6. Open the WebLogic Administration Console and deploy the generated `.ear` files.

(MDM-22847)

Run the PostInstallSetup Script in Non-English Oracle and JBoss Environments

When you install in a locale other than English in an Oracle and JBoss environment, the `postInstallSetup` script does not run during the installation process.

Workaround: Run the `postInstallSetup` script after the installation to deploy the EAR files. For more information, see the *Multidomain MDM Installation Guide*. (MDM-8731)

JBoss Environments

The following issues affect Multidomain MDM when installed with JBoss and any database environment.

Enabling Security on JBoss EAP 7.1 for Remote Transactions

In JBoss EAP 7.1 environments, remote transactions fail when remoting-connector security is not enabled.

To workaround the issue, enable remoting-connector security. Ensure that you configure the supported Elytron security framework. For more information, see the JBoss bugs JBEAP-13963 and JBEAP-16149.

(MDM-28775)

Deploying the Data Director Applications on JBoss EAP 7.1

After you install or upgrade the MDM Hub in the JBoss EAP 7.1 environment, the deployment status of applications might appear as failed in the Data Director Configuration Manager.

Use the Repository Manager tool in the Hub Console to ensure that all the Operational Reference Stores are validated. After the validation, use the Data Director Configuration Manager to redeploy the applications.

(MDM-24559, MDM-24415)

Registering an Operational Reference Store on JBoss Clusters

In a JBoss cluster environment, to be able to register Operational Reference Stores, configure the `<datasources>` definition in the `standalone-full.xml` file.

1. Open the `standalone-full.xml` file, which is in the following directory:

    `<JBoss Installation Directory>/standalone/configuration`

2. Configure the `<datasources>` definition and save the changes.

(MDM-10952)

Setting a System Property in JBoss EAP Environment 7.3

You must set a system property that prevents REST API authentication failures of business entity service requests, which do not contain required credentials due to truncated cookie values. Optionally, you can set this property for JBoss EAP 7.2 and 7.1.

- Open the `standalone.conf` file located in the following directory:
  On UNIX. `<JBoss installation directory>/bin/`

  On Windows. `<JBoss installation directory>\bin\`

- Set the following Java property:

  `-Dio.undertow.legacy.cookie.ALLOW_HTTP_SEPARATORS_IN_V0=true`

(MDM-35074)

After You Install or Upgrade

Some known limitations can affect your installation or upgrade experience. To avoid potential issues, ensure that you review the following issues and complete any workarounds after you install or upgrade.

Upgrading Operational Reference Stores in IBM Db2 Environments

In an IBM Db2 environment, when you run the `sip_ant` upgrade script to upgrade the Operational Reference Store (ORS) database, the upgrade might fail. The issue occurs because some SELECT statements return more than one row while creating the `_PCTL` and `_HPCT` tables.

For a workaround, contact Informatica Global Customer Support.

(MDM-31347)

Validating Operational Reference Stores in IBM Db2 Environments

In an IBM Db2 environment, after you upgrade the Operational Reference Store (ORS) databases, the ORS validation might fail with warnings. The warnings indicate the use of incorrect time stamps instead of current time stamps in the `_PCTL` and `_HPCT` tables.

- ▶ To correct the time stamps, run the following command:
```
UPDATE C_REPOS_COLUMN
SET DATA_DEFAULT = 'CURRENT_TIMESTAMP'
WHERE (TABLE_NAME LIKE '%_PCTL' OR TABLE_NAME LIKE '%_HPCT') and DATA_TYPE =
'TIMESTAMP'
```
(MDM-31443)

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Fixed Limitations

MDM Hub Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-35740	When you perform a tree unmerge of a master record with a single child cross-reference record, the foreign key of the child cross-reference record is not updated correctly.
MDM-35063	When a cleanse function updates a searchable lookup field, the updated values don't appear in Data Director.
MDM-31904	Postal Addresses fail to match when the configured match rule set includes the Geocode match column with Latitude and Longitude fields. The following error appears: `[ERROR] com.siperian.mrm.match.SsaBase: Failed in match.  ssaMsg = Missing matching bracket`
MDM-31641	When you log into the Hub Console, the following error might appear in the Red Hat JBoss server log: `Error UT000021: Session already invalidated`

Data Director with Business Entities Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-38735	When you save a business entity record with one-to-one relationship mapping at the view-level, Data Director might create additional child records.
MDM-37950	When multiple pending cross-reference records have the same interaction ID, promotion of a pending business entity record fails.
MDM-37682	Using the same browser, you cannot log into different Data Director applications simultaneously from multiple browser tabs.
MDM-36391	When you cancel the changes you made to a business entity record, you get the confirmation dialog box twice.
MDM-36087	In Task Manager, when you load a business entity record with multiple child records, records might take a long time to load.
MDM-35738	When you add multiple match candidates to the Matching Records view, a validation error occurs.
MDM-35685	In a merge task, you can't edit lookup fields if you already edited any other field.
MDM-33623	When a REST API request to create or update a business entity record specifies a null value for a lookup field, the response does not return the empty field value with calculated trust scores.

Reference Number	Description
MDM-31964	When you map fields for a file import, if you press Enter, your changes are lost and you are navigated back to the **New File Import** page.
MDM-25219	In the Matching Records view, child records do not merge with parent records and display the following error: `SIP-50218: Unable to run the merge process on the child. The merge process must run successfully on the parent before it can merge the child. In the merge request, add the parent records with rowids.`

Data Director with Subject Areas Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-34962	When you click Open Hierarchy, the Hierarchy page doesn't appear because of a resolution issue.
MDM-34640	In the Hierarchy view, the options to filter relationships based on hierarchy types and relationship directions aren't available.
MDM-23296	When you add values to dependent lookup fields that have no values and send the changes for approval, the approval task cannot be opened.
MDM-34526	The History view does not display the data changes for a child record.

Business Entity Services Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-37950	When multiple pending cross-reference records have the same interaction ID, promotion of a pending business entity record fails.
MDM-36709	When you submit a SearchMatch REST API request with a filter and specify `returnTotal=true`, the response returns an incorrect total number of records.
MDM-35706 MDM-35541	When you run a GET REST API call, the response does not include the Cache-Control, Content-Type, and Pragma headers.

Services Integration Framework Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-37950	When multiple pending cross-reference records have the same interaction ID, promotion of a pending business entity record fails.
MDM-35478	When you run the ExecuteBatchDelete API call to delete a root record without unmerging the record, the record is deleted but the search index is not updated.

Closed Enhancement Requests

Data Director Closed Enhancement Requests

The following table describes closed enhancements requests:

Reference Number	Description
MDM-37201 MDM-36087	You can use the resolveLookup query parameter to request the entire lookup field for a specified business entity. Use the resolveLookup query parameter with the following REST APIs: - Read Record - List Record - Search Record - SearchMatch - SearchQuery

Known Limitations

MDM Data Director Known Limitations

The following table describes the known limitations:

Reference Number	Description
MDM-39104	In the Hierarchy view, when you select a child record, an error message appears. This issue occurs when you configure a relationship on a field other than ROWID_OBJECT in the Provisioning Tool.
MDM-39018	When you update the source system in the Provisioning Tool, you cannot clear the value of fields during a bulk edit of records in the hierarchy.
MDM-38854	Boolean fields for hierarchy relationships and network relationships incorrectly display as text fields.

Reference Number	Description
MDM-38684	In Task Manager, when you edit a relationship, you cannot edit or clear the value in a lookup field.
MDM-38464	When you edit a hierarchy or network relationship, you cannot see the configured default value of any field.
MDM-37967	When you log in to Data Director, if you have access to all registered applications, you cannot see the full list of applications.

Business Entity Services Known Limitations

The following table describes known limitations:

Reference Number	Description
MDM-38601	When you use Hierarchy REST APIs, lookup fields return empty values.
MDM-38080 MDM-38078 MDM-38077 MDM-37928 MDM-37927	The SearchQuery REST API request fails when you send null as a value. The null value is interpreted as a string. The following request fails to retrieve the records where the First Name field is empty: `GET Person.json?action=query&filter=firstName=null` **Note:** The response returns the records where the person's first name is Null.

Emergency Bug Fixes Merged into 10.4 HotFix 3

Informatica merged Emergency Bug Fixes (EBFs) from previous releases into version 10.4 HotFix 3.

These EBFs provided fixes for issues that were found in previous releases. For a list of EBFs and other relevant fixes that were merged into version 10.4 HotFix 3, see the following Informatica Knowledge Base article:

https://knowledge.informatica.com/s/article/FAQ-What-are-the-Emergency-Bug-Fixes-EBFs-merged-into-Informatica-MDM-10-4-HF3

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Fixed Limitations

MDM Hub Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-34019	After you install version 10.4 with IBM Db2, register and then validate ORS, the validation fails and the following error message appears: `SIP-PV-10314: An index is defined as unique in the database but not unique in the metadata.`
MDM-33241	When you delete a pending XREF record, an incorrect message type is published for this event.
MDM-31619	If you install the Hub Server in the silent mode or if HTTPS is enabled for the application server and you need to use an HTTPS port, you must edit the following `build.properties` file after you install or upgrade: - `console.hostname`. Specifies the IP address or publicly accessible host name (FQDN) of the server to which the application server binds. - `console.webport`. Specifies the HTTP or HTTPS port of the current node that the Hub Console must use.
MDM-31423	When you run multiple match and merge jobs or merge jobs in parallel, for different base objects, the jobs fail.
MDM-23085	When you load a change list, the visual promotion task fails and the following error message appears: `[TRANSFORMATION_CO2CO.<>] of type [cleanse] refers to a function [<Mapping Name>] that is not found in library [Mapping]. Review the transformation. (addCVTransformation[id:TRANSFORMATION_TRANSFORMATION.`

Data Director with Business Entities Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-34693	Child records added by an external call are not visible in Data Director until you save the parent record.
MDM-34622	When you log in to Data Director, you can see the business entities available to the previously logged in user, even when your user account is not authorized to access these business entities. This happens because Data Director does not cache all operations at the user level.
MDM-34568	When you try to import data, you might get the following error message: `SIP-55222:Data access.`

Reference Number	Description
MDM-34408	User interface components do not scale correctly. The components are squished and do not take up the entire screen area.
MDM-34346	Data Director cannot filter dependent lookup fields that contain special Unicode characters.
MDM-34335	When the search or list operations return a significant amount of data, for example, more than 100 records, and localization is enabled in the Provisioning Tool, the search results take a long time to load.
MDM-34233	When the field named Status exists in a child record, it interferes with the `navCtrl.getStatus(node)` command and prevents correct navigation through the following screens: - Data Director with subject areas: **History, Effective Periods** - Data Director with business entity views: **History, Timeline, XREF, Merge** When you click the child record in these screens, the record data does not appear in the right-side pane.
MDM-34060	In the **Merge Preview** screen, dates are not rendered correctly. For example, in the Provisioning Tool, configure the `Default Display Formats` to use `yyyy-mm-dd`. In Data Director, open the **Merge Preview** screen. The previous and not the current date appears. For example, 2020-12-23 instead of 2020-12-24.
MDM-34070	When you modify a child business entity and save the changes, the parameter `cmx.e360.submit_all` incorrectly replaces some changed field values with the original values, if set to `true` in the `cmx.serverproperties` file.
MDM-33875	When you modify the constraints of a business entity relationship defined in Hierarchy Manager, the business object record that represents the target relationship is deleted and a new record created. This causes the unique constraint violation error if the business object relationship contains a unique column in the relationship table.
MDM-33787	When you export a large number of records from a business entity view that contains multiple lookup fields, the export takes longer than expected.
MDM-33727	When you save business entities that reference each other as reference lookups, an error in persisting occurs.
MDM-33514	Localized interface does not appear correctly when you launch Data Director in Microsoft Internet Explorer Version 11.
MDM-33355	Pending OneToOne child candidates for promotion to the Active status do not appear in Data Director. As a result, you cannot promote them to the Active status.
MDM-31772	When you log out of a Data Director session, the session remains available. You can click the application screen to bring up a dialog box stating that the session has expired, and then on the X icon in this dialog box, to continue working in the application.

Reference Number	Description
MDM-31467	The cleanse validation function applies only if one of the fields contained in the function and mapped in the BE2B transformation is updated.
MDM-30845	When you hover over a child record with a lengthy name, and then move the mouse out of focus, the entity name does not always disappear. Instead, it remains displayed.
MDM-30184	When you edit a field value and save the record, the cleanse transformation associated with an unedited field value fails.
MDM-28046	The value of the `mdm.smartsearch.cache.ttl` property, set in in the `cmxcleanse.properties` file might not be honored.
MDM-24927	A user belonging to a user group does not have the same privileges of a user who belong to the same user role assigned to the user group.
MDM-23471	When you open a merge task, it takes a longer time to open.
MDM-23217	When you use the Form view to add or edit a child record, the data is not cleansed and standardized.
MDM-19974	Because of a load balancing issue, lookup field values do not appear when Data Director is accessed through a secure https URL.
MDM-16566	When you run a Tokenize job, the job fails and you get the following error message: ```java.lang.ArithmeticException: / by zero```
MDM-34511	When you edit and save a record in the Business Entity tab, as an administrative user, the Person Dashboard is incorrectly highlighted even though the Business Entity tab where you edited the record remains displayed. The selected tab and the context view should be the same.

Data Director with Subject Areas Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-34432	In the Network view, when you click a relationship arrow, the business entity hidden fields are visible, even if they are properly configured in the `BDDconfig.xml` file, as `hidden=true`.
MDM-34291	In the Network view, when you double-click on a node, the entity details do not appear.
MDM-34218	After you migrate subject areas to a business entity schema during an upgrade, Search Lookup values appear differently in Data Director with Subject Areas. Search Lookup values are now shown as Code Lookup values.

Reference Number	Description
MDM-34270	When you click **Open Hierarchy**, the Hierarchy page is not displayed because of a resolution issue.
MDM-34137	When you add a Hierarchy relationship with the start date of January 01 1000, and then save it, the start date changes to December 26 0999. When you modify the start date or end date of the same hierarchy relationship and save it, the `NullPointerException` error appears for dates prior to year 1582.
MDM-34031	When you select a record returned from a DaaS provider and click **Import**, a record is created, but an incorrect dialog box appears.
MDM-33997	When the global property `IDD2COCSConverter.prefixCoNames` is set to `true`, and you click **Open Hierarchy**, you get the SIP-40805 error.
MDM-33695	In the Data tab, when you perform a search, the search results display only eight columns even if the display package includes more than eight columns.
MDM-33162	Records associated with a future effective date do not appear in search results.

Provisioning Tool Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-33660	If the Operational Reference Store contains more than ten business entities, the Provisioning tool does not display the newly created business entities when you create a match rule set.
MDM-28670	Auto-synchronization of users from an LDAP directory does not create a user, when another user with the same common name exists in a different LDAP subtree.

Search Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-8020	In Data Director with Business Entities, deleted records might appear in search results.
MDM-33629	When you run the Initially Index Smart Search Data job, the job fails and the SIP-10322 error appears.

Business Entity Services Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-34570	The surviving records and anchor in a Paired XREFs are not verified correctly. As a result, both Active and Pending XREFs are deleted if the Active XREF was an edit record.
MDM-34507	When you configure a field filter for a Person business entity, and run a REST API GET call using `systemname:pkey`, no records are returned even when you have the required access permissions. The Security filter does not support any other keys except `ROWID_OBJECT`, but in this case `ROWID_OBJECT = null`.
MDM-34271	When you run a SearchMatch REST API call with a subtype enabled, and more than 20 child records are loaded, search results include incorrectly matched records.
MDM-34258	During creation of the `CustomLogic` interface, the `inParams` map returns `null` in the `locale` map. As a result, MDM platform cannot retrieve the locale information, to localize custom messages returned from BES external calls.
MDM-33782	When you select a paired Pending XREF to start the unmerge process, the Active XREF from the pair is not unmerged.
MDM-31927	When you run a Search REST API call containing a fielded query and date filter range, the AND operator is not functional and behaves as an OR operator. It retrieves all the records that fulfill the date range filter criteria but do not meet the field query criteria. The issue occurs with any filters where the query is converted to `should` condition. Use the `fqCondition` parameter to control how query conditions are built (as `OR` or `AND`). Default is `AND`.
MDM-30598	When records are merged, the cross-reference record `interactionId` is not preserved if the target Base Object does not have an `interactionId`, and the information about pending changes is lost.
MDM-30438	When you run a SearchMatch REST API call with `action=match`, the number of retrieved child records defaults to ten, regardless of the `defaultPageSize` and `recordsToReturn` values. While the BES Fuzzy Search service uses the input parameter `defaultPageSize` to retrieve all the matching child records, the MatchCO service does not use this input parameter and can retrieve only ten matching child records.

Reference Number	Description
MDM-3141	When you run a SearchQuery REST API call, links are not shown for `action=query` or `action=match`, even if the parameter `suppressLinks=false`. The links are shown for search queries and fielded queries.
MDM-20907	When you run a SearchQuery REST API call where `action=query` and `contentMetadata=XREF`, you do not receive the expected response containing all the XREF metadata. Instead, the following error appears: `[SIP-50100] NullPointerException`

Services Integration Framework Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-34641	When you run a SIF PUT call, the request is successful and changes are reflected in the database, but an error message appears in the log, incorrectly indicating that the call was not successful.

Closed Enhancement Requests

Data Director Closed Enhancement Requests

The following table describes the enhancements added in this release:

Reference Number	Description
MDM-34676	You can retain the original field order from Data View when you generate a business entity schema for the subject area. Configure the following Hub Server property in the `cmxserver.properties` file: `cmx.server.sa2be.sort =true` Default is `false`.

MDM Hub Closed Enhancement Requests

The following table describes closed enhancements:

Reference Number	Description
MDM-34736	The following properties are now shown in the MDM Hub Console user interface, under Complete Tokenize Ratio, and you no longer need to edit them in the C_REPOS table. - Strip CTAS Delete Upper Limit - Strip CTAS Delete Ratio
MDM-34611	You can now disable the internal administrator account, to prevent external authentication methods from using this account. This security enhancement ensures that users cannot log into MDM using this internal administrator account.
MDM-34607	Informatica Multidomain MDM now includes the following Auto-Delete and Auto-Promote enhancements: **Auto-Delete**. You can use the Auto-Delete feature in conjunction with the Load Batch method. You cannot call the PUT SIF API to delete a cross-reference record **Auto-Promote**. A soft-deleted cross-reference record is now automatically reactivated (set to Active status) and you can edit it. The Auto-Promote feature is a part of the PUT SIF API. For more information, see *Informatica Multidomain MDM 10.4 HotFix 2 Release Guide*.

Known Limitations

MDM Data Director Known Limitations

The following table describes the known limitations:

Reference Number	Description
MDM-35068	When a layout contains multiple business entity views and you copy a record, you must click Save in the view that you want to save. You cannot save multiple views.
MDM-34230	You can delete a file attached to a business entity record only if no workflow triggers are configured for the update event for this business entity. If a workflow trigger is configured, the option to delete a file attachment is not available.
MDM-34064	Some lookup fields do not appear as lookups in group transformations in the xml2be mappings. You have to manually update them to make them work. Workaround: Type the lookup name into the output field.
MDM-36114	In the Filter panel of the Search page, a lookup field filter appears as a text box instead of a drop-down list. For example, you cannot select the Florida state code from the State Cd drop-down list. You must type the code into the State Cd field.

MDM Hub Known Limitations

The following table describes the known limitations:

Reference Number	Description
MDM-25297	Informatica Multidomain MDM Installer creates two JMS queues, one for the internal SIF calls (SiperianQueue) and another for search requests. Both queues are a part of the Multidomain MDM installation. Intermittently, when you save a record in Data Director (IDD), the saving request goes to the search queue and an error appears. Workaround: Create a new destination of type Queue, under SiperianBus. For example, create SiperianQueue 1. Map it as a queue under xxx.sss.xxx queue. Restart the WebSphere application sever.

10.4 HotFix 1 Fixed Limitations

Fixed Limitations

MDM Hub Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description

MDM-33598	In a DB2 environment, when you run an external match job, you get the following error message:
	
	`SIP-16013: SQL Loader failed while loading`
	`file hub30234530598415918887.tmp-matchf10.dat. Return code is 4`

MDM-33197	The users can access the business entity service resources in Data Director even though they do not have privileges to access them.
MDM-33176	You cannot change the host and port information required to launch the Hub Console.
MDM-32608	When you run a query that runs large batch load jobs, the performance is poor.
MDM-32541	If the business entity records are configured with dependent lookup fields, the batch automerge job fails.
MDM-32200	When you update a base object record, the LAST_UPDATE_DATE column value does not update.
MDM-32170	When you use multiple threads to load data into the repository, the performance is poor.

MDM-32071	When you modify the base object field value settings, the following error message displays:
	
	`SIP-09089: Error in SQL update: ORA-00910: specified length too long for`
	`its datatype`

MDM-30514	When you run a multi-threaded SIF API call after acquiring the write lock on the MDM Hub Master Database, all threads are in the blocked state.

Reference Number	Description

MDM-28192	When you enable SSL in an Oracle environment, the load job fails with the following error message:
	
	`jdbc:oracle:thin:@(DESCRIPTION=(ADDRESS=(PROTOCOL=TCPS)`
	`(HOST=localhost)(PORT=2484))(CONNECT_DATA=(SERVICE_NAME=orcl)))`

MDM-25856	An automerge job merges records from distinct source systems with other matching records.
MDM-23770	In Task Manager, when you approve a child or grand child record, the yellow icon next to the record does not display.

Data Director with Business Entities (E360) Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-33688	In the Hierarchy Manager view, the direction of the arrow appears incorrectly for child records.
MDM-33285	When you create a record, if the parent lookup values contain the pipeline (|) character, the dependent lookup values do not appear.

MDM-33226	When you open a merge task with a cyclical business objects configuration, the following error appears:
	
	`Caused by: java.lang.UnsupportedOperationException`
	`at java.util.Collections`
	`$UnmodifiableCollection.addAll(Collections.java:1067).`

MDM-33216	When you update one or more fields and the value populates to a read-only field based on the transformation rule, the following error appears:
	
	`SIP-50022: Validation failed. The field is a read-only field. In the`
	`request, do not change the value for this field.`

MDM-33124	The Query tab takes longer than expected time to load the saved queries.
MDM-33012	When you import a file that contains more than 100000 records, the file import process does not work as expected.
MDM-32207	When you change the effective date value of a record, the record displays an incorrect value in the XREF view.
MDM-32883	When you use multiple Record Details components in a page layout and save the record, a confirmation message displays that an incorrect field was updated.
MDM-32725	In the Legacy view, if you have a pending review task for a child record update, the **Save** button is disabled.
MDM-32689	When you use the Similar Records component to search for records, the results display only root records but no child records.

Reference Number	Description
MDM-32677	After you upgrade to Multidomain MDM 10.4 and you use the Siperian workflow adapter, the previously created tasks do not appear on the Tasks tab.
MDM-32661	In the Home page, when you open a task, the Task Manager page displays the following error message: `internal server error`.

MDM-32630	In the Siperian workflow based Task Manager, when you approve a task, the task page might refresh without any change in the task workflow or the following error message displays:
	`com.informatica.mdm.cs.server.CompositeServiceInvoker: Error in service execution`
	
	`java.lang.NullPointerException`

MDM-32380	When you open a record in the Data View and edit the date in the Effective Period field, the following error message displays: `com.siperian.dsapp.jsf.server.DSUIServlet: Uncaught error java.lang.NullPointerException`
MDM-32376	When you perform a cleanse transformation, the cleanse function is triggered with missing input parameters and the results might display incorrect values.
MDM-32360	When you edit a record and switch the layout to view the record, the original value displays. The edited valued might not display.
MDM-32176	When you update the Lookup field with one-to-many relationships, the update may fail and displays an error message.
MDM-31986	When you re-import a file with records into Data Director, the XREF records might display null values.
MDM-31659	When you query merged records, the results may display incorrect records when you compare and view the same merged records in the Merge Preview view.
MDM-31590	After you merge two records using task actions, the consolidation indicator is set to 2 instead of 1.
MDM-31491	In an Oracle Weblogic environment, when users access Data Director using an HTTP URL, the Available Tasks window might not display any data.
MDM-31468	If a field has an invalid value and you run a cleanse validation process, the following error message might display: `SIP-50022: Validation failed.`
MDM-31189	When you create a task, the automatic task assignment daemon does not assign a task to the user in the task assignment table.
MDM-30973	The History view might displays the foreign key value of the record instead of the field display value.
MDM-30823	If you update multiple child records of a business entity, all records might not get updated.

Reference Number	Description
MDM-30737	When you create a record and select a previously added child record while adding a second child record, the details of the first child duplicates and overrides the details of the second child.
MDM-28845	In Task Manager, users can edit tasks after the task is approved.
MDM-28095	If your password contains the special character +, you cannot log in to Data Director.
MDM-26435	When you attempt to view cross reference records outside the specified effective date, the records might display an incorrect value in the XREF view.
MDM-25896	In the History view, the records are compressed and might display with a scroll bar.
MDM-17716	When you run a query with filters, an error message appears.

Provisioning Tool Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-29651	When you configure a business entity to business entity transformation with dependent lookup fields, in the dependent lookup properties panel, the source and target fields do not appear.

Search Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-33221	When you select a fuzzy match and perform a search on the records, the results are incorrect.
MDM-31534	When you enable the lookup indicator in the C_PARTY table, the smart search reindex job fails.
MDM-31682	When you apply a filter to the search query, the search results return incorrect records.

Services Integration Framework Fixed Limitations

The following table describes the fixed limitations:

Reference Number	Description
MDM-33427	The `defaultPageSize`and `recordsToReturn` parameters do not work for the Search Record REST API.
MDM-31888	When multiple users run business entity services requests concurrently, the performance might be impacted.

MDM-30883	When you run multiple Get SIF API calls, the following error appears:
	`com.siperian.sif.server.RequestRouter: Request processing exception:`
	` com.siperian.sif.message.mrm`

MDM-32285	When you use the GET Metadata API to return data from business entities with complex schemas, the performance is poor.
MDM-31840	In a Jboss environment, the Restore API call uses excess memory after you perform a test on custom services.
MDM-23612	When the business entity schema is not generated and smart search disabled, calls to the Delete SIF API fail.

Known Limitations

MDM Data Director Known Limitations

The following table describes the known limitations:

Reference Number	Description
MDM-34056	In Data Director, the date and time format in the History view might not be consistent with the date and time format in the Data and Timeline views.
MDM-31951	In the Task Inbox component on the **Home**page, you cannot view hierarchy tasks.
MDM-31384	In the **Hierarchy** view and the **Network** view, if the **Quick View** tab configuration is based on a business entity view layout, the `SIP-50139` error occurs. The **Quick View** tab does not open.
MDM-31165	When you use the New File Import operation to import relationships and the task approval workflow triggers, the operation fails and displays the following error: `SIP-10321: Error adding relationship record.`
MDM-31879	If you do not generate a business entity schema and open a record in the Effective Periods or History view, a blank screen appears with no error message.
MDM-32793	If a user has an inactive relationship defined in the Informatica Data Controls (IDC) component, you cannot make the relationship active as the effective date function in IDC

Reference Number	Description
MDM-32140	In Network view, the term Subject Area Record is used instead of Business Entity Record.
MDM-21662	In the History view, you can view the history of deleted relationships.
MDM-32293	In the Hierarchy view, when you create a relationship with an existing business entity record and a pending business entity record, the relationship does not display an error message.
MDM-30602	If hierarchies have a workflow associated with them, you cannot import the hierarchy relationships.

Provisioning Tool Known Limitations

The following table describes known limitations:

Reference Number	Description
MDM-31531	When multiple users simultaneously try to create match rule sets, they can select the same business entity or business entities that belong to the same root base object table without any validation error message. During the file import, they get the following error message: `Cannot delete the data for the business entity <business entity name>.`
MDM-31311	You cannot create match rule sets with sample data in a language other than English.

Business Process Management Known Limitations

The following table describes the known limitations that were found in 10.4:

Reference Number	Description

MDM-34263	In a Linux environment that uses Azul Zulu JDK, when you run the ActiveVOS installer, the following error appears:
	`java.lang.Error: Probable fatal error:No fonts found...`
	Workaround: To install the missing fonts, run the following command:
	`sudo yum install fontconfig dejavu-sans-fonts dejavu-serif-fonts`

10.4

10.4 Fixed Limitations

MDM Hub Fixed Limitations

Review the Release Notes of previous releases for information about previous fixed issues.

The following table describes fixed issues:

Reference Number	Description
MDM-30832	When the display names of base object columns in an Operational Reference Store (ORS) use special characters, the upgrade script fails to update the ORS.
MDM-30513	The RESTORE message trigger fails to publish messages to the queue with the following error: `ArrayIndexOutOfBoundsException:18`
MDM-29675	The `mdmsupport.war` file does not contain the latest jackson JAR files.
MDM-28983	When you delete landing table columns, memory leaks occur.
MDM-28068	In a IBM Db2 environment, when many concurrent batch jobs run, thread connections remain open. The database crashes because Db2 cannot recycle the logs.
MDM-27814	When you run a match job on a data set with a large number of matching records, the performance of the match job is poor.
MDM-27657	In a Microsoft SQL Server environment, the stage job can process only one record.
MDM-27201	When the base objects names in the MDM Hub contain less than 5 characters, the External Match job fails with the following error: `Error executing job:Invalid length parameter passed to the LEFT or SUBSTRING function.`
MDM-26689	During a match batch job, if you use the dynamic match threshold to determine the search ranges to skip, the performance of the match batch job is poor.
MDM-26418	During a match job, if the `_STRP` table is corrupted, the match job can fail.
MDM-26038	When a base object has columns that are nullable and columns that are not nullable but have a default value, the edit cross-reference records fail to unmerge. The following error occurs: `ORA-01407: cannot update ("ORS"."C_TABLE"."COL<n>") to NULL`
MDM-22528	After you remove a parameter from a cleanse transformation mapping and apply the change, you cannot add a parameter to the mapping.
MDM-21986	Forward matching records that are created during the Automerge process can cause the process to run slowly.
MDM-20337	When you use the MdmKeyStore class, a file descriptor leak causes FileNotFoundException errors
MDM-20332	If a PUT update comes from a source system other than the Admin source system, the cross-reference record that is created can be unmerged. The cross-reference record unmerges, even though all the other cross-reference records for that base object are the result of PUT calls.
MDM-19869	The Match Analyze report does not show tradeoffs between match quality and performance.
MDM-17156	Blowfish is visible to MDM users.

Reference Number	Description
MDM-17047	Forward matching records are created during the Automerge process, which can cause the process to run slowly.
MDM-16105	In WebLogic environments, when you start the WebLogic server, the MDM Hub might generate an error.
MDM-12502	After you close the Hub Console, the processes associated with the Hub Console continue to run on the machine.
MDM-7853	During transitive matching, incorrect values appear in the ROWID_MATCH_RULE column of the HMRG table.
MDM-1578	When you use the Data Manager tool in the Hub Console to delete an active cross-reference record, the record is deleted, but an error occurs.

Data Director with Business Entities Fixed Limitations

Review the Release Notes of previous releases for information about previous fixed issues.

The following table describes fixed issues:

Reference Number	Description
MDM-30521	You cannot sort child columns in the search results panel of the **Search** tab.
MDM-30260	When you create a query, you cannot select the correct child business entity fields without knowing the parent to which the child business entity belongs.
MDM-30193	You cannot create or edit a record in the **Form** view.
MDM-30188	After you get a validation error for a lookup field, you cannot save a correct value.
MDM-30078	Search results do not display values for lookup fields with CHAR data type.
MDM-29828	When you launch Data Director in Chrome 78 or later, field labels do not appear in the Cross-reference Records view.
MDM-29546	When Data Director uses an HTTPS load-balanced URL, an error might occur when you perform actions such as opening and creating records.
MDM-28943	When you open a record that has more than 1000 cross-reference records associated with it, the ORA-01795 exception occurs.
MDM-28589	When you display Data Director in a language other than English, the Status column in the task inbox is empty.
MDM-28400	When you use the Hub Console to acquire a lock on the MDM Hub Master Database, the session ID is cleared for all the users who are logged into Data Director. Data Director generates the SIP-18017 error.
MDM-28218	When a business entity field with a label format contains pure numbers, the label appears as a date.

Reference Number	Description
MDM-27979	Pending records appear in the search query results.
MDM-27691	The **Task Manager** has usability issues because of multiple scroll bars.
MDM-26319	When you create a merge task for records with consolidation indicator 9, the merge process fails.
MDM-26153	In the **Matching Records** view, the option to select all records is not available.
MDM-26101	After a user claims a task or updates the task owner, the **Task Manager** does not automatically refresh to show the changes.
MDM-26076	In the **Task Manager**, when you filter matching records by match rules, the following error appears: `SIP-50225: The Interaction ID of a pending merge record does not match the Interaction ID which was specified in the request.`
MDM-25806	When you search for lookup records, the records results do not populate in the Data Director Form view.
MDM-25745	When you save the changes to a record that is in the pending state, an unclear error message appears.
MDM-25591	Records that users remove from the merge task participate in the merge process.
MDM-25329	When the Service Data Objects (SDO) code runs in an IBM WebSphere Application Server environment, the performance might be impacted.
MDM-25098	You cannot search for tasks across all pages in the **Task Manager**.
MDM-24712	When you create a record, you face usability issues because of overlapping fields in the form.
MDM-24385	When search strings contains accented characters, records do not appear in the search result.
MDM-24342	When cleanse validation is configured for fields, an error message appears even though the incorrect value that was entered is corrected.
MDM-24144	When you create records by using a custom business entity view with a default business entity, the business entity to business entity cleanse transformation does not work for lookup fields.
MDM-24020	If an administrator rejects a task to update business entities, the records do not delete from the base object and cross reference tables.
MDM-23608	If you log in through single sign-on (SSO), you cannot search for records.
MDM-22850	When you use a view to business entity transformation that uses a cleanse function, the cleanse function is invoked twice.
MDM-22817	When you filter child records by a date that does not exist in the child records, a record with a non-matching date appears.
MDM-22519	In the search results, some rows are empty. The rows represent records that are filtered out because the user does not have permission to view the records.

Reference Number	Description
MDM-22369	When you preview a changed record from a task, the preview might not display the change bar beside some of the changed values in child records.
MDM-20688	When a user claims a task, the task inbox does not display a confirmation message.
MDM-19944	When Data Director populates lookup values by processing the values using a cleanse function, the following error occurs when users create a record: `SIP-14396: The unique constraint on base object was violated.`
MDM-18555	When multiple base object columns are associated with a single lookup table, search results do not appear.
MDM-17819	After you generate a business entity schema, the Operational Reference Store validation fails.
MDM-17410	You cannot import data in bulk.
MDM-17395	The date fields in the **Business Entity** view, **Matching Records** view, and the **Cross-reference Records** view display the date along with the time stamp.
MDM-17373	When you include the legacy Merge Preview in a record view, the Provisioning tool displays an error.
MDM-16861	When cleanse validation for records fail, incorrect child record fields are highlighted.
MDM-16374	You cannot open large hierarchies in the **Hierarchy Manager**. The application times out.
MDM-4288	In an application server cluster environment, the changes that you make to the Data Director application synchronize across all the MDM Hub nodes.

Data Director with Subject Areas Fixed Limitations

Review the Release Notes of previous releases for information about previous fixed issues.

The following table describes fixed issues:

Reference Number	Description
MDM-30788	When you use Data Director with subject areas to view comments that users add through Data Director with business entities, the space between words in the comments are replaced with %20.
MDM-30169	When you add new start and end dates to the timeline of a record, Data Director does not create a cross-reference record for the event and does not save the event.
MDM-29820	When you configure an external link as a custom top-level tab in Data Director, you cannot use an encrypted password for authentication.
MDM-28985	When search results contain one-to-many child records, the export of search results with custom profiles fail.

Reference Number	Description
MDM-25368	When you view a parent record in the Person view, Matching Records view, History view or Cross-reference Record view, the label name displays a date.
MDM-26949	When you configure lookup fields with ROWID_OBJECT as the display field, data security filter does not work.
MDM-26800	When you configure the subTypeQualifier filter for lookup columns in a base object, correct lookup values do not appear in the Data Director application.
MDM-25697	In Task Administration, a user with administrative privileges cannot claim tasks.
MDM-25645	In the Task Details window, attach a file with more than 49 characters and send for approval. When you attempt to download the same file, the file extension is truncated.
MDM-23852	If more than one subject area has the same application column defined as a dependent lookup, but with different filter conditions, the dependent lookup values are blank.
MDM-13822	You cannot disclaim a merge task.

Provisioning Tool Fixed Limitations

Review the Release Notes of previous releases for information about previous fixed issues.

The following table describes fixed issues:

Reference Number	Description
MDM-27974	When MDM administrators save record view layouts with missing dependent lookup fields, validation errors do not appear.
MDM-27075	When you configure multi-level dependent lookups, an error might occur.
MDM-26720	When you configure a searchable field in a child node that is three or more nodes under the root business entity node, the Initially Index Smart Search Data batch job fails. The following error occurs: `SIP-10322: ORA-00904: "<column Name>": invalid identifier.`
MDM-22528	After you remove a parameter from a cleanse transformation mapping and apply the change, you cannot add a parameter to the mapping.
MDM-22457	If you publish a layout with a duplicate name, the publish process fails with an error.
MDM-21991	When you include the legacy **Merge Preview** in a record view, the Provisioning tool displays an error.
MDM-13754	If a write lock is acquired in the Hub Console, the Provisioning tool does not work as expected.

Business Process Management Fixed Limitations

Review the Release Notes of previous releases for information about previous fixed issues.

The following table describes fixed issues:

Reference Number	Description
MDM-25437	When you trigger the One Step Approval Workflow process for a user that returns a security payload, the process fails to insert the payload into the database.

Business Entity Services Fixed Limitations

Review the Release Notes of previous releases for information about previous fixed issues.

The following table describes fixed issues:

Reference Number	Description
MDM-30520	When you make a Search Record REST API call, if a record in the search result is in the deleted state, the following error occurs: `SIP-50105: User does not have the required rights.`
MDM-25358	When you use the Delete REST API to delete a child record, the following error displays: `SIP-50100: com.informatica.mdm.cs.server.CompositeServiceInvoker: Error in service execution`
MDM-28625	Business entity services calls from Informatica Data Quality result in validation errors.
MDM-19209	When a business entity services call updates a child record, the shadow parent record ID in the child cross-reference record is not updated.

Services Integration Framework Fixed Limitations

Review the Release Notes of previous releases for information about previous fixed issues.

The following table describes fixed issues:

Reference Number	Description
MDM-30506	During the Restore SIF API calls, data source connection leaks occur.
MDM-29187	When you use a custom query package in the SearchQuery SIF API call, you receive an incorrect API response.
MDM-26611	When a base object is associated with cross-reference records from multiple source systems, the Restore SIF API does not restore the specified cross-reference record. The API restores the cross-reference record that was added last.
MDM-26225	The DeletePending API call deletes pending records in the parent base object and active records in the child base object.

Reference Number	Description
MDM-24786	When you use the MDM sample Operational Reference Store (ORS), the GetOneHop SIF API generates the following error: `SIP-14105: Unexpected error occurred while processing request: GetOneHopRequest java.lang.NullPointerException`
MDM-24438	When you make a Put and a Delete SIF API call in parallel for different cross-reference records of the same base object, the Delete API call fails.
MDM-22670	When you run the ExecuteBatchDelete SIF API to delete more than 5000 records, all the records are not deleted.
MDM-12952	The Service Integration Framework (SIF) WSDL that you generate shows the use of the HTTP protocol, even though the Hub Server and the Process Server use the HTTPS protocol.

10.4 Closed Enhancement Requests

Data Director Closed Enhancement Requests

The following table describes closed enhancement requests:

Reference Number	Description
MDM-8506	Tasks are categorized based on subject areas.
MDM-8137	Tasks are associated with subject areas and user roles. User roles with the required privileges can view and edit tasks.

Provisioning Tool Closed Enhancement Requests

The following table describes closed enhancement requests:

Reference Number	Description
MDM-28096	You can configure a record view layout to have fields from a single business entity distributed across multiple components in the layout.

10.4 Known Limitations

This section contains known limitations that were found in 10.4.

Data Director with Business Entities Known Limitations

The following table describes known limitations that were found in 10.4:

Reference Number	Description
MDM-31951	In the Task Inbox component on the **Home** page, you cannot view hierarchy tasks.
MDM-31384	In the **Hierarchy** view and the **Network** view, if the **Quick View** tab configuration is based on a business entity view layout, the `SIP-50139` error occurs. The **Quick View** tab does not open.
MDM-31165	When you use the New File Import operation to import relationships and the task approval workflow triggers, the operation fails and displays the following error: `SIP-10321: Error adding relationship record.`
MDM-30602	If hierarchies have a workflow associated with them, you cannot import the hierarchy relationships.

Provisioning Tool Known Limitations

The following table describes known limitations that were found in 10.4:

Reference Number	Description
MDM-31531	When multiple users simultaneously try to create match rule sets, they can select the same business entity or business entities that belong to the same root base object table without any validation error message. During the file import, they get the following error message: `Cannot delete the data for the business entity <business entity name>.`
MDM-31311	You cannot create match rule sets with sample data in a language other than English.

MDM Hub Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Reference Number	Description
MDM-31423	When you run multiple match and merge jobs or merge jobs in parallel for different base objects, the jobs fail. Workaround: Run the match and merge jobs or merge jobs sequentially.
MDM-24156	If you use SAML based authentication, users cannot search for records in Data Director and access the Hub Console. Workaround: To use SAML based authentication, create the users in the MDM Hub as externally authenticated users.
MDM-22756	If you run the Support Tool with the HTTPS protocol, when you navigate from the Match Analysis Tool to the CSM tab, an error occurs.

Reference Number	Description
MDM-22528	After you remove a parameter from a cleanse transformation mapping and apply the change, you cannot add a parameter to the mapping.
MDM-22143	When you integrate Multidomain MDM 10.3 for IBM DB2 with Dynamic Data Masking 9.8.4, and then create a security rule set for DB2, the affected master data is not masked.
MDM-19586	When pattern validation rules with WHERE clauses are applied, trust is downgraded for all records instead of only the records that match the patterns in the WHERE clause.
MDM-16869	In the Hub Console, non-administrative users cannot create Hierarchy Manager entities.
MDM-15369	When Chinese characters are loaded into a staging table, some Chinese characters get corrupted.
MDM-10792	When the database contains partitioned tables, the metadata validation process generates the following warning: `SIP-PV-10233(31) - The tablespace of a table in the database differs from the tablespace specified in the metadata.` You can safely ignore the warning.
MDM-10476	When you unmerge a record with a large number of cross-reference records, the Process Server generates an out of memory error.
MDM-10201	To promote a change list to a schema that has hierarchies enabled, you must have MDM Hub administrator privileges.
MDM-9902	When 'Enable History of Cross-Reference Promotion' is enabled for a base object, the history of cross-reference record promotion is not maintained.
MDM-9816	When you refresh an Informatica Data Quality cleanse function which has two mapplets with different ports using WebSphere, the following error appears: `SIP-11134: Compile failed for compile command`

Reference Number	Description
MDM-9604	When you promote an empty change list to an Operational Reference Store with a business entity configuration, the promote fails with the following error: `Object cannot be deleted because 'CO CS Configs\TaskConfiguration\Task Types \AVOSBeNotification\Task Roles\DataSteward' is depending on it. (deleteRole[id:ROLE.DataSteward])` Workaround: Remove the DataSteward role from the target Operational Reference Store, and then promote the change list.
MDM-8588	The first time that you import a schema in the Hub Console, the following error might appear: `missing initial moveto in path definition` You can safely ignore the error message.
MDM-7592	A source system that is not mapped to a column in the base object can override a valid value in the column with a null value. For example, SourceA and SourceB contribute to BaseObjectC. SourceA is mapped to ColumnX with minimum and maximum trust settings of zero. SourceB is not mapped to ColumnX and has no trust setting for it, but it is mapped to other columns in BaseObjectC. When SourceB updates BaseObjectC, ColumnX is incorrectly updated with a null value. Workaround: Change the minimum trust setting for SourceA to at least 2.
MDM-5830	After installation of the MDM Hub, the WebSphere application server user name and password are visible in the installation logs.
MDM-1578	When you delete an active cross-reference record in the Data Manager tool in the Hub Console, the record is deleted but an error occurs. You can safely ignore the error.

Data Director with Business Entities Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Reference Number	Description
MDM-24316	When you upgrade from version 10.2 or earlier, non-administrative users cannot log in to an application. The issue occurs when the application that is created in the Provisioning tool has the same name as the Data Director application that was upgraded.
MDM-24156	If you use SAML based authentication, users cannot search for records in Data Director and access the Hub Console. Workaround: To use SAML based authentication, create the users in the MDM Hub as externally authenticated users.

Reference Number	Description
MDM-23745	When you sort on a column that contains a lookup list with more than 40 values, the sort fails.
MDM-23092	When you use multiple tabs to create records and click the **Apply** button, the records do not save.
MDM-22587	When you export search results that are based on a timeline, the export process ignores the timeline and exports all data.
MDM-22811	In the simple merge component, when you want to change a date value, the calendar does not appear correctly. Workaround: Type in a date.
MDM-21692	The calendar controls are not localized.
MDM-18665	When you delete the Status Cd code, the following error occurs: `Cannot read property 'taskId' of undefined` Workaround: You can edit this field, but you cannot delete it.
MDM-18157	On Chrome, when you display the interface in Chinese, some button labels are truncated.
MDM-14460	If the time zone of the application server is different from the time zone of the client, the time of an event in the History view differs from the time in the event details panel.
MDM-14327	If there are multiple pages of search results for business entity child records and you type in a page number beyond the range of pages displayed, subsequent attempts to view a page of search results fail and an error occurs.
MDM-8764	When you generate the business entity schema from a subject area configuration, mandatory lookup fields are not included in the business entity view configuration or transformation configuration.
MDM-8606	In the **Matching Records** view, when you merge records, the system can appear unresponsive. Workaround: Wait until the merge job finishes.
MDM-7597	If you delete a record and then search for the record, the ROWID of the deleted record still displays.
MDM-2699	In calendars, you cannot set a date before January 1, 1000.
MDM-2574	In the task inbox, setting the Owner filter to `Unclaimed` does not return the list of unclaimed tasks.

Provisioning Tool Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Reference Number	Description
MDM-22531	When you configure a read-only field with more than one default value, the Provisioning tool displays a validation error. Workaround: Use a cleanse job to set the default value for a read-only field.
MDM-20600	When you remove a base object from the Hub Console, the Provisioning tool continues to show the base object and does not generate validation errors. Workaround: If you delete a base object, update the related business entity in the Provisioning tool.
MDM-14528	If you create a transformation with the same name as another transformation, a validation error message does not appear. An error appears only when you try to publish the changes.
MDM-14449	If you make a field searchable in a reference entity that is referenced in two or more business entities, then the field is searchable for all the business entities. Furthermore, if you make a field searchable in a reference entity that is not referenced in any business entity, then the field is not searchable. Workaround: Make a field searchable in a reference entity that is referenced in only one business entity.
MDM-8844	When you publish configuration changes through the Provisioning tool, you can overwrite these changes if you generate a business entity schema through the IDD Configuration Manager.
MDM-7219	The Provisioning tool fails to launch when the last slash is omitted. Workaround: Add a slash character to the end of the URL: `http:/host:port/provisioning/`

Business Entity Services Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Reference Number	Description
MDM-10553	When you run a read composite service for a deleted grandchild record, the buiness entity service call does not return data.

Business Process Management Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Reference Number	Description
MDM-22986	When you install ActiveVOS, the admin user password is stored in plain text in the ActiveVOS installation properties file.
MDM-9079	In the ActiveVOS Console, on the **MDM Identity Provider** page, you must enter the password of the MDM Hub user named `admin` in the **MDM Connection Settings Password** field. You cannot use the password for any other user, even if the user has administrative privileges.

Reference Number	Description
MDM-9041	When multiple workflow triggers apply to an action, the first applicable trigger is applied, even if subsequent triggers are specific to the business entity. Workaround: In the task configuration file, place the triggers that are specific to a business entity at the beginning of the file. Place the more general triggers at the end of the file.

MDM-8763	When you install the MDM Hub with embedded ActiveVOS in a Linux environment, the following error appears in the postInstallSetup.log:
	`[exec] Unable to locate tools.jar. Expected to find it in /data/tmp/`
	`install.dir.12594/Linux/resource/lib/tools.jar`
	You can safely ignore the error.

MDM-8622	When you import ActiveVOS tasks from version 9.7.1 and run a batch file to add presentation parameters to the tasks, an error occurs. You can safely ignore the error.
MDM-8086	The task priority set by the MDM Hub cannot be used to trigger an ActiveVOS escalation.

Services Integration Framework Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Reference Number	Description
MDM-30069	When you restore deleted records using the POST Update API, the BVT calculation does not trigger, and restored record values are incorrect.
MDM-25396	You cannot run ExecuteBatch SIF calls in an environment that uses Red Hat JBoss EAP 7.1 or later. Workaround: Set the `java.naming.factory.initial` property to the following value in the `SiperianConnection.properties` file: `org.wildfly.naming.client.WildFlyInitialContextFactory`
MDM-19151	The DeleteMatches service does not correctly process data blocked by InteractionID.

Informatica Platform Known Limitations (Cumulative)

The following table describes known limitations that are carried forward from previous releases:

Reference Number	Description
MDM-18229	In a Linux environment, the option to install the Informatica platform is not available.