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.

Note: 10.5 HotFix 1 is a third-party library release that contains the security vulnerability library upgrades and EBF integration.

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 192 or later on the machines on which you want to launch the Hub Console. JRE 1.8, update 192 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

Language	Language Code
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.

Hub Server Installation in IBM AIX

When you install the Hub Server in an IBM AIX environment, use the bash shell.

1. Download the IBM AIX installer.
2. Run the following command:
   `bash ./hub_install.bin`

   The installation begins.

   For more information about the installation process, see the *Multidomain MDM Installation Guide*.

   (MDM-43730)

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`.

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

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

(MDM-22366)

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)

Emergency Bug Fixes Merged into Multidomain MDM 10.5 HotFix 1

Multidomain MDM merged Emergency Bug Fixes (EBFs) from previous releases into version 10.5 HotFix 1. These EBFs provide fixes for issues that were found in previous releases.

For a list of EBFs in version 10.5 HotFix 1, see the following Informatica Knowledge Base article:

https://knowledge.informatica.com/s/article/What-are-the-EBFs-addressed-in-MDM-10-5-HF1

10.5 HF1 Fixed Limitations

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

Data Director with Business Entities 10.5 HotFix 1 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-41145	When you set the language of your application to `zh_CN`, the NVDA screen reader doesn't read the names of the **Save** and **Cancel** buttons in Chinese. The issue occurs when you use the Tab key to move to these buttons.

MDM Hub 10.5 HF1 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-41441	In JBoss EAP 7.4.x environments, you might experience log in issues with Data Director, Provisioning tool, and Hub Console.

10.5 HF1 Known Limitations

MDM 10.5 HF1 Known Limitations

The following table describes the known limitations that were found in 10.5 HotFix 1:

Reference Number	Description
MDM-44418	Failed to upgrade Elastic Search from 6.8.6 client to 7.1.7. **Workaround:** For users prior to 10.5, upgrade to 10.5 and then apply the HotFix to solve the Elastic Search issue. For more information about how to upgrade, refer the following link: https://docs.informatica.com/master-data-management/multidomain-mdm/10-5/what-s-new-and-changed/part-1--version-10-5/10-5-what-s-new/elasticsearch-upgrade.html
MDM-44345	General decryption fails for Weblogic. **Workaround:** When creating the system or ORS database, set the database collation name. Change `[Latin1_General_CI_AS]` to `[Latin1_General_CI_AS_UTF8]`

10.5 Fixed Limitations

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

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-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-22528	After you remove a parameter from a cleanse transformation mapping and apply the change, you cannot add a parameter to the mapping.

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-36491	In Task Manager, when you add special characters to the task comments, an error message appears.
MDM-36237	When your session times out after you run a search query, you can run and get search results for another query.
MDM-34272	When you add a record, a lookup field displays its default value, but its dependent lookup field does not automatically list the values.
MDM-33548	The List view of the Task Manager does not display the Creator column.
MDM-32729	When you add a record, multiple default values for a field are not displayed in the form view.
MDM-26817	In the task inbox, the tasks are not sorted based on their creation date by default.

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-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-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-32140	In Network view, the term Subject Area Record is used instead of Business Entity Record.
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-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.

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-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.

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-22986	When you install ActiveVOS, the admin user password is stored in plain text in the ActiveVOS installation properties file.

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-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`

10.5 Known Limitations

MDM Hub Known Limitations

The following table describes the known limitations that were found in 10.5:

Reference Number	Description
MDM-43465	When you install the Hub Server and the Process Server from the command line, the password for the WebLogic Server administrative user is not masked in the command line.

MDM-42279	In WebLogic environments, when you run a report API, the report execution fails with the following error message:
	`{"status":"FAILED","jobId":"SVR1.7XHW","errorCode":"SIP-10338","errorMessage":"SIP-10338: Internal server error: \{0} Contact Informatica Global Customer Support.`
	Workaround: Open the `cmxserver.properties` file to update the `activevos.jndi` property to the following value:
	`jdbc/ActiveVOS`

Reference Number	Description
MDM-36851	When you run a match job, you might get a runtime exception. Check the application server startup log to see the exception. Workaround: Wait until the match job completes.
MDM-36438	During a fuzzy match, if the _STRP table is corrupted, the match job might fail. Workaround: Open the `cmxcleanse.properties` file, add the `cmx.server.match.ignore_exceptions` property and set it to true. If the match job still fails, contact Informatica Global Customer support.

Data Director with Subject Areas Known Limitations

The following table describes the known limitations:

Reference Number	Description
MDM-43285	If default value for a lookup field is deleted from the record view layout, applying changes fails.
MDM-36145	If the time zone of the application server and the client are different, the start date and end date of the network relationship differ in the application server and the client server.
MDM-36103	When you add a hierarchy relationship or network relationship with the period end date of December 31 9999, the period end date changes to an empty value. When you edit and save the period end date of the same hierarchy or network relationship, the changes appear.
MDM-27340	When you run a match job and preview the matched records, the preview might not display the records side by side.

Data Director with Business Entities Known Limitations

The following table describes known limitations that were found in 10.5:

Reference Number	Description
MDM-43714	In the Business Entity view and Task Manager, the Navigation menu doesn't indicate whether a child record is pending approval.
MDM-43699	When you use an invalid date to filter child records on a record details page, the filter returns all the child records.
MDM-43698	In a Business Entity view, you can't filter child records based on a numeric field value.

Reference Number	Description
MDM-43631	When you create an organization record in a user interface layout that has a hierarchy widget, the following error occurs: `SIP-10228. No record found for the specified RecordKey.` Workaround: Remove the hierarchy widget component from the layout.
MDM-43535	When you validate an address child record that contains an invalid value, you get the validation error for a different field.
MDM-43532	When you import records into an environment that uses approval workflow, the task title in the Task Manager does not match the configured task title.
MDM-43433	After you release a task in Task Manager, you can't perform other task actions, such as approve, reject, and escalate, on any task. The buttons for these task actions are disabled.
MDM-43414	When 10 or more candidates appear on the Matching Records view, and you use the Select All option, all the candidates aren't selected.
MDM-43410	Although, you delete a business entity from a mapping that you use for file import, the import job imports the records of the deleted business entity.
MDM-43407	When you create multiple records for different business entities and try to save them, the user interface might become unresponsive.
MDM-43400	When you perform multiple clicks in the Navigation pane of record views, such as History and Matching Records, performance is poor.
MDM-43398	When you use the advanced Matching Records view to merge records that have duplicate child records, such as address, you notice a changed behavior. After a preview is generated, you can clear the check box of the child record that you selected for the merge. When you try to preview the merged child record again, the check box appears disabled.
MDM-43285	When you apply changes to a child record after you delete the default value of a field that's a lookup field, the following error appears: `SIP-50022: Validation failed`.
MDM-42811	When you try to open a record that is in a draft state, the following message appears: `The configuration of business entity has changed. Some fields might not appear in the draft.`
MDM-42696	When you enter filter values to filter child records in the form view and press the **Enter** key, the **Search Queries** dialog box appears. Workaround: Close the **Search Queries** dialog box.

Reference Number	Description
MDM-42604	After you install the MDM Hub in the JBoss environment, and log in to the Data Director application, the entity360view.log does not contain logged messages from Entity 360.
MDM-42486	After you add a hierarchy relationship and enter the start and end dates, the time value differs when you edit the relationship. Applies only when you click **Apply**, and then edit the relationship.
MDM-42319	In the Timeline view, you cannot edit the date using the **From:** and **To:** fields.
MDM-42154	When two business entities use the same base object, a draft record might open in an incorrect business entity view.
MDM-42029	When you open a record that belongs to a business entity for which a label wasn't defined in the Provisioning tool, the label appears as undefined.
MDM-41653	When you preview a record that appears on the Search Results page, if you switch pages to view grandchild records, the records disappear.
MDM-40924	When you try to set a value for a date and time field, the time picker doesn't include an option to select seconds. Workaround: To include seconds, type the seconds value in the field.
MDM-40722	In an environment that uses subject areas and business entities, open a record in the entity view from the **Data** tab. If you edit the record on the **Data** tab and try to view the entity view of the record that you have already opened, you get an error on the page.
MDM-40089	When you create a hierarchy relationship, the default value of the field, lookup field, and business entity lookup field might not appear. After you submit the changes, you can view the default value of the lookup field but can't view the default value of the field and business entity lookup field.
MDM-36061	When you compare a similar record with a record in the record view, lookup field values of the similar record might not appear. The issue occurs when you configure a direct transformation between the business entity of the record and its view.
MDM-32251	When you configure a searchable field in a child node 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.`

Provisioning Tool Known Limitations

The following table describes known limitations that were found in 10.5:

Reference Number	Description
MDM-40909	When you generate a business entity schema that contains a Boolean field and log in to the provisioning tool, you might get an invalid configuration error. When you try to fix the error, the Boolean field details disappear from the XML file. Workaround: After you fix the error, add the Boolean field details to the XML file.

Business Entity Services Known Limitations

The following table describes known limitations:

Reference Number	Description
MDM-35489	When you run a fielded search using a search term that contains a slash (/), the search fails. The following error occurs: `"errorCode": "SIP-50100", "errorMessage": "SIP-50100: The custom business entity service step has an error."`

Informatica Global Customer Support

You can contact a Global Support Center by telephone or through the Informatica Network.

To find your local Informatica Global Customer Support telephone number, visit the Informatica website at the following link:
https://www.informatica.com/services-and-training/customer-success-services/contact-us.html.

To find online support resources on the Informatica Network, visit https://network.informatica.com and select the eSupport option.