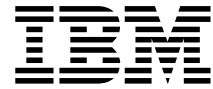


IBM Integrated Removable Media Manager



# Migration Guide

## IRMM 1.1.0.x to IRMM 1.1.1.x

Migrating existing IRMM 1.1.0.x environments to IRMM 1.1.1.x

**Note:**

Before using this information and the product it supports, read the information in "Notices" in the IBM Integrated Removable Media Manager for the Enterprise on System z (IRMM) User's Guide and Reference ( Publication No. SA23-2235 )

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## About This Document

This document describes the migration of existing IRMM 1.1.0.x Integrated Removable Media Manager environments to IRMM version 1.1.1.x.

It is required to update the IRMM server components first. This includes the Media Manager (MM) including its DB2 database and the Library Manager (LM).

After the server components are migrated all client components have to be migrated.

It is supported to use IRMM 1.1.0 versions of the client components HDM, CLI and ELM in conjunction with the IRMM 1.1.1 server. Therefore it is possible to iteratively update the IRMM clients to version 1.1.1 once the server is running on version 1.1.1. However due to enhanced functionality and improved error recovery it is highly recommended to update all clients on all systems to version 1.1.1 as soon as possible.

**Note:**

In the migration procedure and examples given it is assumed that the DB2 database name and database schema for the IRMM database is "ermm". This information needs to be adapted as needed.

This procedure applies to migrations from IRMM 1.1.0 to IRMM 1.1.1 only. Customers who want to migrate from a version prior to 1.1.0 must perform this migration in iterations. In this case please refer to the previous IRMM migration procedure.

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## Migration of the IRMM server components

This step includes the migration of the IRMM server components:

- Media Manager (MM) including its DB2 database model
- Library Manager (LM)
- System Core Package
- Base Package

These server components have to be migrated together.

### Note:

Use either `ermmMigrateDB` or `IRMM-DBMigration110-111.sql` to migrate the IRMM DB2 database. It is required that the user executing the database migration script has appropriate DB2 database authorities.

1. Stop the IRMM server components (LM and MM)

```
ermmStop
```

```
ermmLmStop
```

2. Backup the IRMM database using the appropriate DB2 commands.

Note: A valid IRMM database backup is required in case a roll-back is needed.

3. Backup all IRMM log files
4. Backup all configuration files of the server components

MediaManager: `mm.xml`

LibraryManager: `lm-<LM-Name>.xml`

5. Migrate the IRMM database model to the new version:

This can be done by either running the migration script "`ermmMigrateDB`" or by executing the SQL script "`IRMM-DBMigration110-111.sql`".

6. Remove all IRMM server packages.

This includes the Media Manager, Library Manager, System Core Package and the Base package.

7. Install the new IRMM server packages.

This includes the Media Manager, Library Manager, System Core Package and the Base package.

8. Create `mm.xml` by copying the new sample file `mm.xml.smp`

9. Update in the new `mm.xml` file the parameters from the original `mm.xml` file (backed up in step 4).

The changes are shown in the attached document *differences\_mm.doc*.

Please refer to the most recent IRMM Users Guide for further information.

10. Create new Library Manager config file(s) using the original names and parameter settings from the original files (backed up in step 4).

The changes are shown in the attached document *differences\_lm.doc*.

Please refer to the most recent IRMM Users Guide for further information.

11. Start the IRMM server components

```
ermmStart
```

```
ermmLmStart
```

12. Verify that the server components are running correctly.

**Important Note:**

If any of the IRMM client components (including the Command Line Interface) are installed on the system(s) running the IRMM server components, these clients have to be updated as well. Please refer to the next section on how to update the IRMM clients.

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## Migration of the IRMM client components

This step includes the migration of the IRMM client components: Command Line Interface (CLI), Host Drive Manager (HDM), External Library Manager (ELM) and 3494 Emulation.

1. Backup all log files
2. Backup all configuration files for the client components
  - HDM: `genhdm.cfg`
  - ELM: `<elm-name>.cfg`
  - CLI: `.ermcli.conf` in eRMM user directory or `ermcli.conf` in /etc directory
  - 3494emu: `<3494emu-name>.conf`
3. Remove client config files
4. Remove all IRMM client packages
5. Install new IRMM client packages as needed
6. Create new client configuration file(s) using the original names and parameter settings from the original files (backed up in step 2). The changes are shown in the attached documents *differences\_cli.doc*, *differences\_hdm.doc*, *differences\_elm.doc* and *differences\_3494emu*.  
Please refer to the most recent IRMM Users Guide for further information.
7. Restart the client processes
8. Verify that the clients correctly connect to the Media Manager.

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## Addendum

The following files are part of the IRMM 1.1.0 to IRMM 1.1.1 migration:

File Name	Purpose
<b>differences_mm.doc</b> <b>differences_lm.doc</b> <b>differences_cli.doc</b> <b>differences_hdm.doc</b> <b>differences_elm.doc</b> <b>differences_3494emu.doc</b>	Comparison of the configuration files of the previous and new IRMM version.
<b>ermmMigrateDB</b>	Shell script that performs the required changes in the IRMM DB2 database.
<b>IRMM-DBMigration110-111.sql</b>	SQL script that performs the required changes in the IRMM DB2 database

**Note:**

Use either **ermmMigrateDB** **or** **IRMM-DBMigration110-111.sql** to migrate the IRMM DB2 database. It is required that the user executing the database migration script has appropriate DB2 database authorities.