

Data Migration from Magento1 to Magento2.2.x

Please find below precondition before start migration of data from magento1 to magento2

1. Set up a Magento 2 system that meets our system requirements .
2. Do not start Magento 2 cron jobs.
3. Make a full backup of your Magento1 store including all files, folders and the database.

Step 1: Install Data Migration Tool via Composer

After install data migration tool use below command.

- composer require magento/migration-tool:<version>

Step 2: Configuration of Data Migration Tool

If you want to migrate data from Magento 1 Community Edition to Magento2 Community Edition then go to following path for configuration.

- <Magento 2 root

dir>/vendor/magento/data-migration-tool/etc/opensource-to-opensource

If you want to migrate data from Magento1 Community Edition to Magento2 Enterprise Edition then go to following path for configuration

- <Magento 2 root

dir>/vendor/magento/data-migration-tool/etc/opensource-to-commerce

If you want to migrate data from Magento1 Enterprise Edition to Magento2 Enterprise Edition then go to following path for configuration

- <Magento 2 root

dir>/vendor/magento/data-migration-tool/etc/commerce-to-commerce

(1) After the installation, the following directories will contain mapping and configuration files for the Data Migration Tool:

- cd

vendor/magento/data-migration-tool/etc/opensource-to-opensource/1.9.3.7(Your magento1 version).

For ex : In our scenario magento1 version is 1.9.3.7.

(2) Then change below file name of data migration tool in below directory.

(I) Go to

"/opt/lampp/htdocs/Magento222/vendor/magento/data-migration-tool/etc/opensource-to-opensource/1.9.3.7" directory and the change file name from config.xml.dist to config.xml

(II) Go to

"/opt/lampp/htdocs/Magento222/vendor/magento/data-migration-tool/etc/opensource-to-opensource" directory and change the file name from settings.xml.dist to settings.xml

(3) If you are using localhost then go to **"/opt/lampp/etc"** directory and change "max_allowed_packet" size from 1M to 50M in my.cnf file

(4) Database configuration of magento1 and magento2.

Go to

"/opt/lampp/htdocs/Magento222/vendor/magento/data-migration-tool/etc/opensource-to-opensource/1.9.3.7" directory and open config.xml file.

Then change host name, database name and database user.

```
<source>
<database host="127.0.0.1" name="Magento1-DB-name"
user="DB-username" password="DB-password"/>
</source>
<destination>
<database host="127.0.0.1" name="Magento2-DB-name"
user="DB-username" password="DB-password"/>
</destination>
```

Then copy key from

"/opt/lampp/htdocs/Magento1version(magento1937)/app/etc/local.xml" file and add key between <crypt_key>Magento1-Encrypted-Key</crypt_key> tag.

<crypt_key>Magento1-Encrypted-Key</crypt_key>

When Finished, save the config.xml and you are done!

Step 3: Start Data Migration

To start migrating the data, navigate to your Magento2 root directory via SSH terminal and run the following commands consecutively.

(1) Migrate settings

The Settings mode migrates stores, website, and system configuration like shipping, payment, tax settings, etc. According to our data migration order, you should migrate settings first.

- php bin/magento migrate:settings --auto
vendor/magento/data-migration-tool/etc/opensource-to-opensource/1.9.3.7/config.xml

OR

- php bin/magento migrate:settings --reset
vendor/magento/data-migration-tool/etc/opensource-to-opensource/1.9.3.7/config.xml

(2) Migrate data

- `php bin/magento migrate:data --auto`
`vendor/magento/data-migration-tool/etc/opensource-to-opensource/1.9.3.`
`7/config.xml`

OR

- `php bin/magento migrate:data --reset`
`vendor/magento/data-migration-tool/etc/opensource-to-opensource/1.9.3.`
`7/config.xml`

(3) Migrate changes

Incremental migration enables you to migrate only changes made in Magento1 since the last time you migrated data.

- `php bin/magento migrate:delta --auto`
`vendor/magento/data-migration-tool/etc/opensource-to-opensource/1.9.3.`
`7/config.xml`

OR

- `php bin/magento migrate:delta --reset`
`vendor/magento/data-migration-tool/etc/opensource-to-opensource/1.9.3.`
`7/config.xml`

Where, [--reset] is an optional argument that start migration from the beginning.

Step 4: Media File and Run magento2 command

Transfer magento1 media folder to magento2 in "<magento2rootdirectory>/pub/media" directory and run following commands

- `php bin/magento indexer:reindex`
- `php bin/magento cache:clean`
- `php bin/magento cache:flush`

Once all migration processes are completed, don't forget to test the Magento2 store completely to ensure everything functions properly