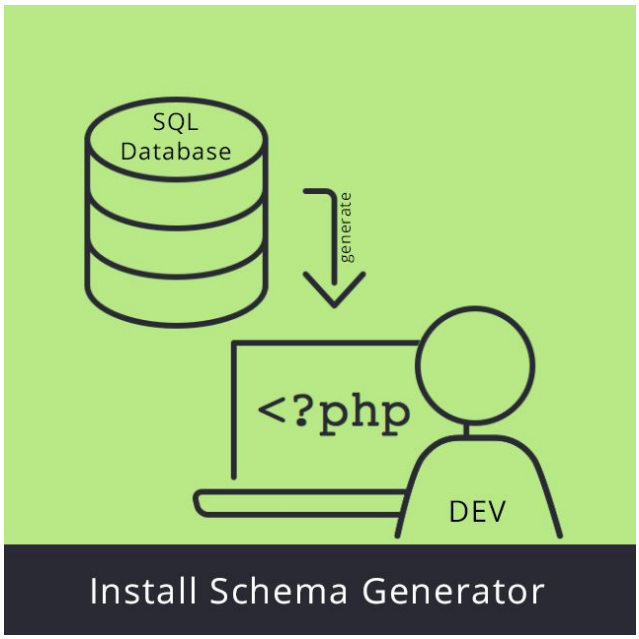
Install Schema Generator

User Guide



Install Schema Generator (ISG) is a development tool destined to speed up the table setup script creation of a Magento 2 module. It helps you to generate and download your custom install schema from your Magento database.

1. Information

Install Schema Generator has been **developed for developers**. It used to develop faster your setup script of your Magento 2.x Extension. You can actually create your tables on Phpmyadmin in your Magento database, then easily convert them into an install schema! It's more convenient and faster than to code yourself the entire setup script. Moreover, you avoid spelling and programming errors and you can be more focused on the database design.

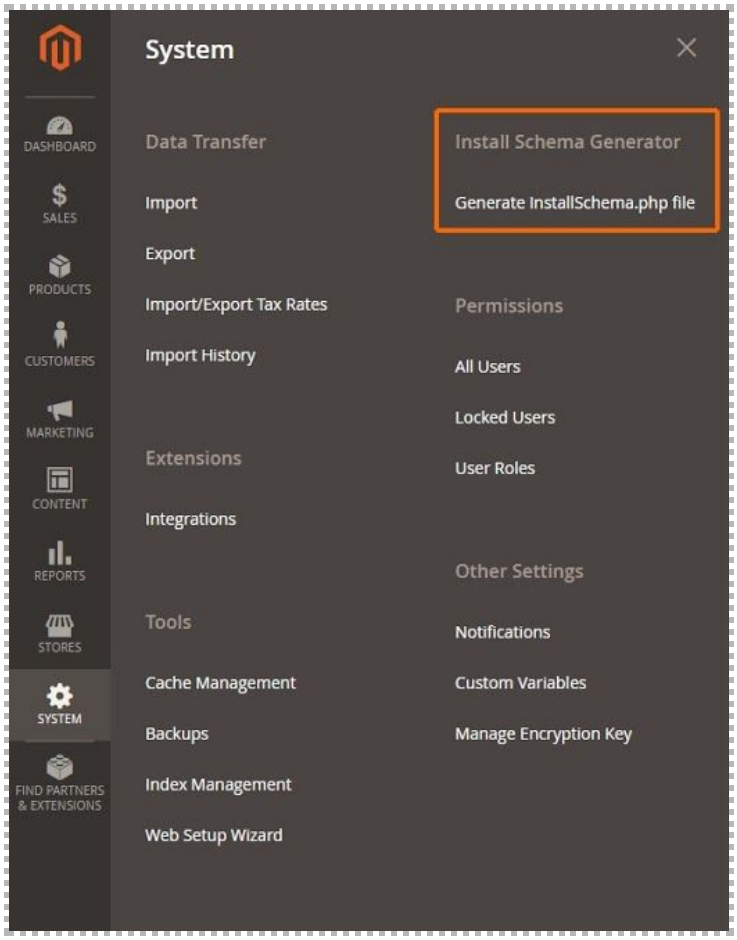
2. Build your database tables

Create your table(s) in SQL or easilly with phpMyAdmin, for your Magento 2.x database. Make sure that your table(s) are now available from your database.

3. Generate the InstallSchema.php file

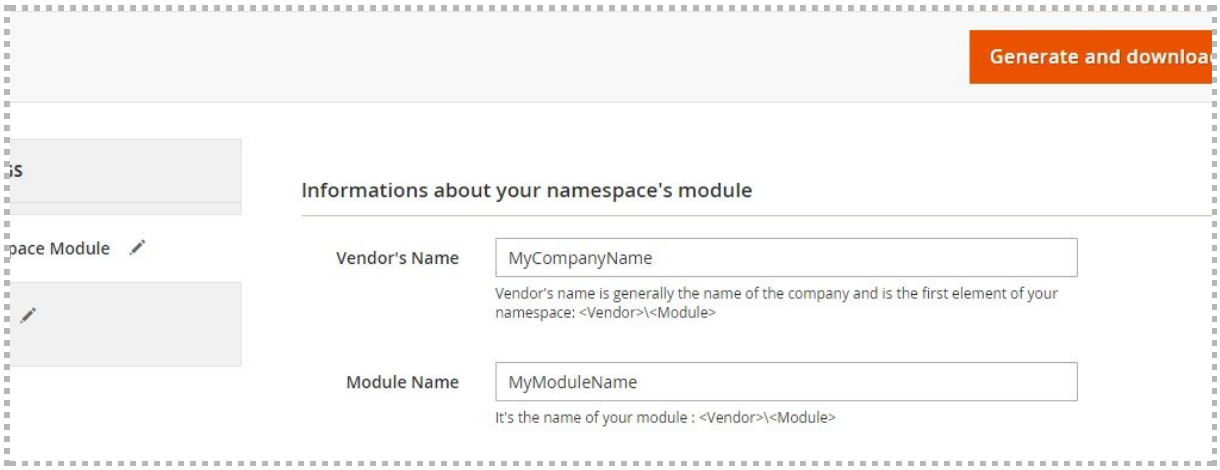
A. How to find Install Schema Generator

Connect to your Magento 2.x admin panel, and find "Install Schema Generator".

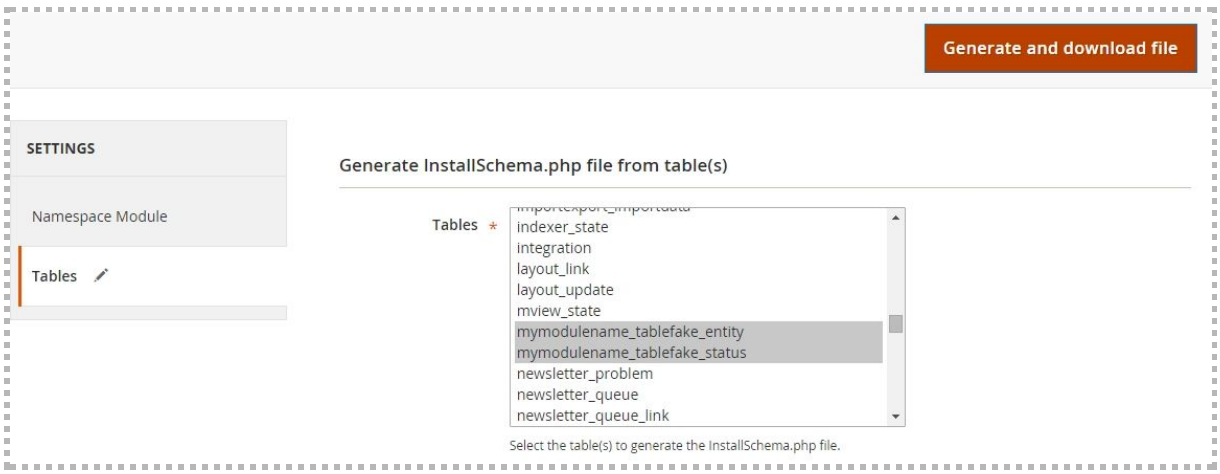


B. How to use Install Schema Generator

In the "Namespace Module" tab, enter your vendor name and your module name.



In the "Tables" tab, select the tables to transform to an InstallSchema.php file.



Click on the "Generate and download file" button. Your browser will suggest you to download the InstallSchema PHP file. ISG reads the structure of the selected tables and extracts the column setup including constraints, indexes or foreign keys. These data build the table creation scripts which match Magento coding standards!
However, if you recover the setup script of Magento 1.x database tables, you should check if the constraints of foreign keys are correct. Some tables may have been renamed, changed or deleted in Magento 2.

4. Put the file in your project

Guess you have now a downloaded file, you can open it and check if the data are correct. Place the file under the “Setup” folder of your Magento 2.x module. Enjoy it!

```php
<?php
namespace MyAgency\MyModuleName\Setup;

use Magento\Framework\Setup\InstallSchemaInterface;
use Magento\Framework\Setup\ModuleContextInterface;
use Magento\Framework\Setup\SchemaSetupInterface;

class InstallSchema implements InstallSchemaInterface
{
    public function install(SchemaSetupInterface $setup, ModuleContextInterface
    {

        $installer = $setup;

        $installer->startSetup();


        /**
         * Create table 'mymodulename_tablefake_entity'
         */
        $table = $installer->getConnection()
            ->newTable($installer->getTable('mymodulename_tablefake_entity'))
            ->addColumn(
                'id',
                \Magento\Framework\DB\Ddl\Table::TYPE_INTEGER,
                11,
                [
                    'nullable' => false,
                    'precision' => '10',
                    'auto_increment' => true,
                ],
                null
            )
            ->addColumn(
                'status',
                \Magento\Framework\DB\Ddl\Table::TYPE_SMALLINT,
                1,
                [
                    'nullable' => false,
                    'precision' => '3',
                ],
                null
            )
            ->addColumn(
                'comment',
                \Magento\Framework\DB\Ddl\Table::TYPE_TEXT,
                255,
                [
                    'nullable' => false,
                ],
                null
            )
            ->addColumn(
                'mark',
                \Magento\Framework\DB\Ddl\Table::TYPE_INTEGER,
                10,
                [
```

For further information, check our documentation:
https://bitbucket.org/blackbirdagency/magento2-extensions-isgenerator