

Pre-Installation Steps

Before you will proceed with ImperiaMuCMS installation please check your PHP setting for uploading files. Open your php.ini in preferred text editor. Search for "upload_max_filesize" setting. If value of your config is less then "32M", update it to this value. It might look like this:

```
; Maximum allowed size for uploaded files.
; PHP: Description of core php.ini directives - Manual http://php.net/upload-max-filesize
upload_max_filesize = 32M
```

This configuration will prevent errors during ImperiaMuCMS's database structure and data import. Value "32M" is the minimum recommend setting, however, you can put there any other size (e.g. 64M, 128M, 256M, etc.).

Installation of website

Download full package of ImperiaMuCMS from [HERE](#).
Copy files from ImperiaMuCMS folder to your web server.
Open browser and go to <your_domain>/<relative_path>/install/index.php to start installation process.
Check system requirements. If everything is green (there can be red PDO drivers, but at least one must be green), continue on next step.
Enter license key and your email address what you used in registration form here on forums. If you provided correct information, license will be activated and you can continue on next step.
Generate configuration file. Enter SQL info, setup basic website stuff and write some info about your server. Continue on next step.
Click on "START INSTALLATION" button and wait until page will loads. After it will be done, you can remove install folder due to security reasons and change chmod of ./includes/config.php back to 664.
Update all IGCN server files located in ./includes/files/IGCN/ with your files used by Game Server.
Website is now ready to use. You can open ./includes/config.php to configure another stuff like administration access etc.
As a last step it's highly recommended to use "Special Tools" functionality in AdminCP to update data stored in database.
Use function "Add Items into Database" to import missing items into database.
Use function "Update Items in Database" to update existing items and their attributes based on your ItemList.xml configuration.
Use function "Add Items into Webshop" to import items into webshop automatically. After this operation review items in webshop and delete those which you don't want to sell.
Use function "Import Castle Siege Settings" to import your CS configs from server files to automatically setup Siege times in CS module.
Use function "Generate MonsterKillCount XML" to generate MonsterKillCount.xml data so your server files will keep information about every killed monster.

Add Online Time logging

After installation will be done, you will have to edit procedure WZ_DISCONNECT_MEMB.

1. Open MSSQL Management Studio.
2. Navigate to Databases -> Programmability -> Stored Procedures.
3. Find procedure "WZ_DISCONNECT_MEMB" -> right-click on it and select Modify.
4. Find "UPDATE MEMB_STAT" and add one more parameter into this SQL statement ", OnlineTime = OnlineTime+(DATEDIFF(mi,ConnectTM,getdate()))".

Before:

Code:

Código:

```
UPDATE MEMB_STAT set ConnectStat = @ConnectStat, DisConnectTM = getdate()
WHERE memb___id = @memb___id
```

After:

Code:

Código:

```
UPDATE MEMB_STAT set ConnectStat = @ConnectStat, DisConnectTM = getdate(), OnlineTime
WHERE memb___id = @memb___id
```

5. After this line add the code bellow (code is used to track online time by day).

Me_MuOnline + MuOnline databases:

Python:

Código:

```
IF (@ServerName IN ('MEDIUM-S1', 'MEDIUM-S2', 'MEDIUM-ARCA', 'MEDIUM-MARKET', 'MEDIUM-
BEGIN
    IF NOT EXISTS (SELECT AccountID FROM [MEDIUM_MuOnline].[dbo].[IMPERIAMUCMS_TRIGGER
        INSERT INTO [MEDIUM_MuOnline].[dbo].[IMPERIAMUCMS_TRIGGER_ONLINE] (AccountID,
    ELSE
        UPDATE [MEDIUM_MuOnline].[dbo].[IMPERIAMUCMS_TRIGGER_ONLINE] SET OnLineTime =
    END

IF (@ServerName IN ('FAST-S1', 'FAST-S2', 'FAST-ARCA', 'FAST-MARKET', 'FAST-SIEGE', '
BEGIN
    IF NOT EXISTS (SELECT AccountID FROM [FAST_MuOnline].[dbo].[IMPERIAMUCMS_TRIGGER
        INSERT INTO [FAST_MuOnline].[dbo].[IMPERIAMUCMS_TRIGGER_ONLINE] (AccountID, C
    ELSE
        UPDATE [FAST_MuOnline].[dbo].[IMPERIAMUCMS_TRIGGER_ONLINE] SET OnLineTime = C
    END
```

You must create this section for each server what you have. In this example are 2 sections - one for MEDIUM and one for FAST server. In first line are defined server names (from GameServer.ini config files). Database name is 3 times in script, in this example MEDIUM server has database called MEDIUM_MuOnline. In case of any issues with this task, please feel free to create a topic in general support section.

Only MuOnline database:

Python:

Código:

```
IF NOT EXISTS (SELECT AccountID FROM IMPERIAMUCMS_TRIGGER_ONLINE WHERE AccountID = @m
    INSERT INTO IMPERIAMUCMS_TRIGGER_ONLINE (AccountID, OnLineTime, Date) VALUES (@me
ELSE
    UPDATE IMPERIAMUCMS_TRIGGER_ONLINE SET OnLineTime = OnLineTime + (DATEDIFF(mi, @C
```

6. Press F5 to save modified procedure.

Here is an example of edited procedure WZ_DISCONNECT_MEMB with all ImperiaMuCMS modifications.

Me_MuOnline + MuOnline databases:

Python:

Código:

```
USE [Me_MuOnline]
GO
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER OFF
GO
ALTER Procedure [dbo].[WZ_DISCONNECT_MEMB]

    @memb__id    varchar(10)
AS
BEGIN

SET NOCOUNT ON
DECLARE @find_id    varchar(10)
DECLARE @ConnectStat    tinyint
DECLARE @ConnectTM    smalldatetime
DECLARE @ServerName    varchar(20)
SET @ConnectStat = 0
SET @find_id = 'NOT'
SELECT @find_id = S.memb__id FROM MEMB_STAT S INNER JOIN MEMB_INFO I ON S.memb__
    WHERE I.memb__id = @memb__id

IF( @find_id <> 'NOT' )
BEGIN
    SELECT @ConnectTM = (SELECT ConnectTM FROM MEMB_STAT WHERE memb__id = @memb_
    SELECT @ServerName = (SELECT ServerName FROM MEMB_STAT WHERE memb__id = @men
```

Only MuOnline database:

Python:

Código:

```
USE [MuOnline]
GO

SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER OFF
GO
ALTER Procedure [dbo].[WZ_DISCONNECT_MEMB]

    @memb__id    varchar(10)
AS
BEGIN

SET NOCOUNT ON
DECLARE @find_id varchar(10)
DECLARE @ConnectStat tinyint
DECLARE @ConnectedChar varchar(10)
DECLARE @ConnectTM smalldatetime
SET @ConnectStat = 0
SET @find_id = 'NOT'

SELECT @find_id = S.memb__id FROM MEMB_STAT S INNER JOIN MEMB_INFO I ON S.memb__
    WHERE I.memb__id = @memb__id

IF( @find_id <> 'NOT' )
```

Add ImperiaMuCMS Triggers to save players' in-game progress

Description

This tutorial explains you how to manually import ImperiaMuCMS triggers into your database.

Last Updated: 14/04/2020

Compatible Version: 2.0.6 and newer

ImperiaMuCMS triggers are used to automatically store historical data of players' progress and mostly they are used for daily/weekly/monthly rankings, but might be used for new features in the future. Triggers are not required, however they are recommended. Without them you won't be able to use daily/weekly/monthly rankings and other features of the website.

Please note that triggers should be added into database after successful installation of ImperiaMuCMS.

Season 10 - Season 15

Python:

Triggers for MuOnline database

Please replace "[MuOnline]" with your MuOnline database name. In the code search for:

Código:

```
SET @cLevel_MAX = 400;  
SET @mLevel_MAX = 520;  
SET @RESETS_MAX = 100;  
SET @Grand_Resets_MAX = 0;
```

Replace the values 400, 520, 100 and 0 with your server configuration - maximum allowed level, master level, reset and grand reset. After that execute it in your SQL Server Management Studio. To do that open SQL Server Management Studio, in top navigation panel click on "New Query" and paste trigger code (which is displayed below) into new opened window tab, after that press "F5" or click on button "Execute" in top navigation panel.

Código:

```
USE [MuOnline]  
GO  
  
IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_CHARACTER_TR', 'TR') IS NOT NULL  
DROP TRIGGER IMPERIAMUCMS_TRIGGER_CHARACTER_TR  
GO  
  
IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_CHARACTER_INSERT_TR', 'TR') IS NOT NULL  
DROP TRIGGER IMPERIAMUCMS_TRIGGER_CHARACTER_INSERT_TR  
GO  
  
IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_GUILD_TR', 'TR') IS NOT NULL  
DROP TRIGGER IMPERIAMUCMS_TRIGGER_GUILD_TR  
GO  
  
IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_MONSTER_TR', 'TR') IS NOT NULL  
DROP TRIGGER IMPERIAMUCMS_TRIGGER_MONSTER_TR  
GO  
  
IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_GENS_TR', 'TR') IS NOT NULL  
DROP TRIGGER IMPERIAMUCMS_TRIGGER_GENS_TR  
GO  
  
IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_GENS_ABUSE_TR', 'TR') IS NOT NULL
```

Triggers for Ranking database

Please replace "[Ranking]" with your Ranking database name and "[MuOnline]" with your MuOnline database name. After that execute it in your SQL Server Management Studio. To do that open SQL Server Management Studio, in top navigation panel click on "New Query" and paste trigger code (which is displayed below) into new opened window tab, after that press "F5" or click on button "Execute" in top navigation panel.

Python:

Código:

```
USE [Ranking]
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_EVENT_DS_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_EVENT_DS_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_EVENT_BC_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_EVENT_BC_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_EVENT_CC_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_EVENT_CC_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_EVENT_IT_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_EVENT_IT_TR
GO

CREATE TRIGGER IMPERIAMUCMS_TRIGGER_EVENT_DS_TR ON [dbo].[EVENT_INFO]
AFTER UPDATE, INSERT
AS
SET TRANSACTION ISOLATION LEVEL READ UNCOMMITTED
BEGIN TRANSACTION
IF TRIGGER_NESTLEVEL(@@PROCID) = 1
```

Season 6 - Season 9

Python:

Triggers for MuOnline database

Please replace "[MuOnline]" with your MuOnline database name. In the code search for:

Código:

```
SET @cLevel_MAX = 400;
SET @mLevel_MAX = 520;
SET @RESETS_MAX = 100;
SET @Grand_Resets_MAX = 0;
```

Replace the values 400, 520, 100 and 0 with your server configuration - maximum allowed level, master level, reset and grand reset. After that execute it in your SQL Server Management Studio. To do that open SQL Server Management Studio, in top navigation panel click on "New Query" and paste trigger code (which is displayed below) into new opened window tab, after that press "F5" or click on button "Execute" in top navigation panel.

Código:

```

USE [MuOnline]
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_CHARACTER_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_CHARACTER_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_CHARACTER_INSERT_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_CHARACTER_INSERT_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_GUILD_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_GUILD_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_MONSTER_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_MONSTER_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_GENS_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_GENS_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_GENS_ABUSE_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_GENS_ABUSE_TR
GO

```

Triggers for Ranking database

Please replace "[Ranking]" with your Ranking database name and "[MuOnline]" with your MuOnline database name. After that execute it in your SQL Server Management Studio. To do that open SQL Server Management Studio, in top navigation panel click on "New Query" and paste trigger code (which is displayed below) into new opened window tab, after that press "F5" or click on button "Execute" in top navigation panel.

Python:

Código:

```

USE [Ranking]
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_EVENT_DS_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_EVENT_DS_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_EVENT_BC_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_EVENT_BC_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_EVENT_CC_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_EVENT_CC_TR
GO

IF OBJECT_ID ('IMPERIAMUCMS_TRIGGER_EVENT_IT_TR', 'TR') IS NOT NULL
DROP TRIGGER IMPERIAMUCMS_TRIGGER_EVENT_IT_TR
GO

CREATE TRIGGER IMPERIAMUCMS_TRIGGER_EVENT_DS_TR ON [dbo].[EVENT_INFO]
AFTER UPDATE, INSERT
AS
SET TRANSACTION ISOLATION LEVEL READ UNCOMMITTED
BEGIN TRANSACTION
    IF TRIGGER_NESTLEVEL( @@PROCID ) = 1

```

Código:

```
USE [MuOnline]

GO

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

CREATE TABLE [dbo].[IMPERIAMUCMS_BOSS_TIMER](
    [id] [int] IDENTITY(1,1) NOT NULL,
    [name] [nvarchar](255) NOT NULL,
    [monsterId] [int] NOT NULL,
    [start] [int] NOT NULL,
```

Configuring cron jobs on Windows

Open AdminCP, go to Scheduled Tasks -> Manage Cron Jobs -> click on the button "RESET ALL CRON JOBS" on the bottom of page.

Open `./_Extra/cron.bat` in any text editor and edit both paths (to `cron.php` and `php.exe` files).

Now double-click on `cron.bat` to execute it. All cron jobs were now executed.

Open Windows Task Scheduler and create new action what will execute `cron.bat` every minute (or every 5 minutes, it's on you) to regularly update all cache files.

Configuring cron jobs on Linux

Open AdminCP, go to Scheduled Tasks -> Manage Cron Jobs -> click on the button "RESET ALL CRON JOBS" on the bottom of page.

In command line execute: crontab -e

Press **INSERT** button on your keyboard to enable edit mode and on the bottom of file write (replace paths to PHP and cron.php with your paths):

```
*/5 * * * * /usr/bin/php /var/www/cron/cron.php
```

\wedge path to PHP \wedge path to cron.php

Press **ESC**, then **:wq** and **ENTER** to save file.

Now execute manually `cron.php` with command (replace paths to PHP and `cron.php` with your paths):

```
/usr/bin/php -f /var/www/cron/cron.php
```

^path to PHP ^path to cron.php

If you have problems with permissions on Linux to execute cron.php, follow this steps:

Open `/etc/cron.d/` and create here new file with any name with the following content (replace link with your domain):

```
* /5 * * * * root wget --delete-after http://your.domain.com/cron/cron.php
```

Edit `.htaccess` file in `/path/to/website/cron/.htaccess` to looks like this (replace `YOUR_HOST_IP` with your IP):

Deny from ALL
Allow from YOUR_HOST_IP

PS:

File in attachment is for those, who tried to install ImperiaMuCMS automatically, but some query failed. If this happend, download sql script from attachment and execute it. It will delete all ImperiaMuCMS tables and also MEMB_CREDITS table (ImperiaMuCMS is using different structure as default table). After all tables will be deleted, go to /install/SQL/ and execute all scripts in correct order to import ImperiaMuCMS's database.