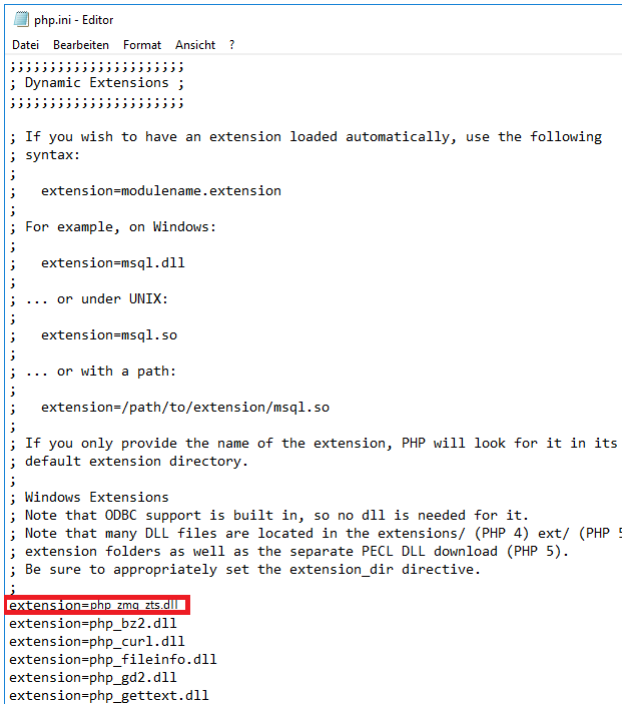
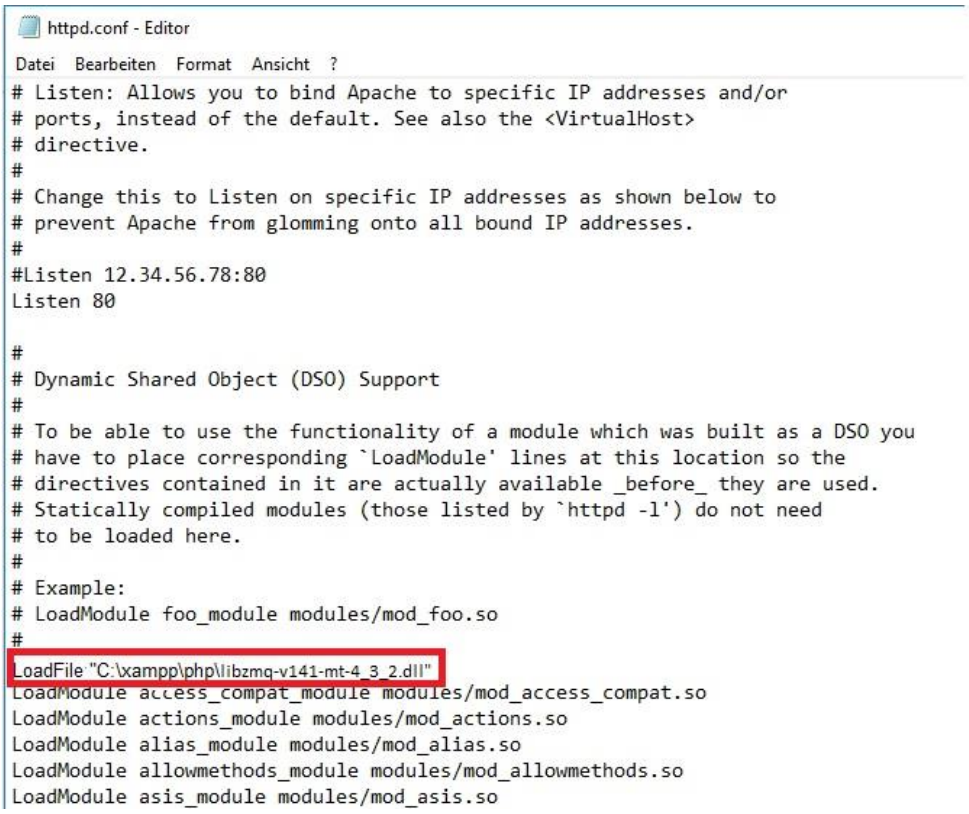
How To Install Xibo On Windows Xampp PHP 7.4.27

1. **Download xampp 7.4.27 application at this link : https://sourceforge.net/projects/xampp/files/XAMPP%20Windows/7.4.27/ and save it in a folder named XAMPP (XAMPP folder)**
2. **Download xibo app (version 3.3.5) at this link : https://xibosignage.com/blog/3-3-5-released and save it in a folder with the name XIBO (XIBO folder)**
3. **Download ZeroMQ at this link : https://github.com/zeromq/php-zmq/files/4397645/php-7.4.4-zmq-1.1.4-4.3.2-x64-vc15-zts-nts.zip**
4. **Download fastcgi application at this link: https://www.apachelounge.com/download/ , select the mod_fcgid-2.3.10-Win64-vs17.zip file for Windows 64 bit**
5. **Install the xampp file that was downloaded previously**
6. **Open xampp control panel, click config tab then click apache and mysql in the autostart of modules section then click save after that close the xampp control panel application**
7. **Extract the downloaded ZeroMQ file and install ZeroMQ in the Xampp application as follows:**
   A. **Select php_zmq_zts.dll file then copy the file in the folder path C:\xampp\php\ext**
   B. **Select the file libzmq-v141-mt-4_3_2.dll then copy the file in the folder path C:\xampp\php**
   C. **Then open the php file.ini (C:\xampp\php) and look for the Dynamic Extension sentence (press the control key and F key at the same time then type Dynamic Extension). After the word Dynamic Extension has been found then under the sentence type extension= php_zmq_zts.dll (see image below):**



then save the file (don't select Save As)

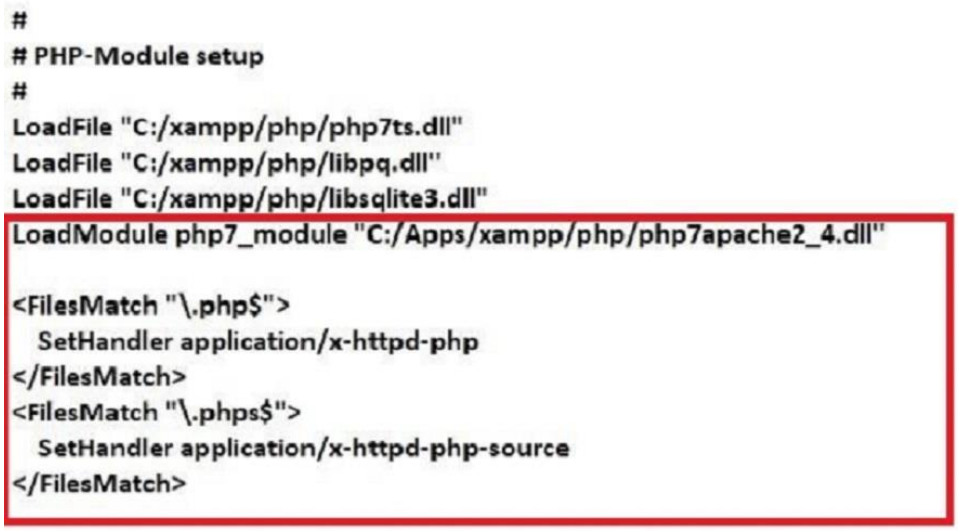
D. Then open the httpd.conf file (C:xampp\apache\conf) then edit this file as shown below:



then save the file (don't select Save As)

E. Extract the downloaded mod_fcgid-2.3.10-win64-vs17.zip file and copy mod_fcgid.so file to C:\xampp\apache\modules

F. Then edit the httpd-xampp.conf file (C:\xampp\apache\conf\extra). Delete the part in the httpd-xampp.conf file as shown below:



then replace the section as shown above with the image below:

```
#
# PHP-Module setup
#
LoadFile "C:/xampp/php/php7ts.dll"
LoadFile "C:/xampp/php/libpq.dll"
LoadFile "C:/xampp/php/libsqlite3.dll"

LoadModule fcgid_module modules/mod_fcgid.so

<IfModule fcgid_module>
    FcgidInitialEnv PATH "C:/xampp/php"
    FcgidInitialEnv SystemRoot "C:/Windows"
    FcgidInitialEnv SystemDrive "C:"
    FcgidInitialEnv TEMP "C:/xampp/tmp"
    FcgidInitialEnv TMP "C:/xampp/tmp"
    FcgidInitialEnv windir "C:/windows"
    FcgidIOTimeout 64
    FcgidConnectTimeout 16
    FcgidMaxRequestsPerProcess 1000
    FcgidMaxProcesses 3
    FcgidMaxRequestLen 2147483648
    # Location php.ini:
    FcgidInitialEnv PHPRC "C:/xampp/php"
    FcgidInitialEnv PHP_FCGI_MAX_REQUESTS 1000

    <Files ~ "\.php$">
        Options Indexes FollowSymLinks ExecCGI
        AddHandler fcgid-script .php
        FcgidWrapper "C:/xampp/php/php-cgi.exe" .php
    </Files>
</IfModule>
```

E. Still in the httpd-xampp.conf file above, add it like this:

add this option allow FastCGI

Options ExecCGI

in the php MyAdmin section as shown below:

```
Alias /phpmyadmin "C:/xampp/phpMyAdmin/"
  <Directory "C:/xampp/phpMyAdmin">

    # add this option allow FastCGI
    Options ExecCGI

    AllowOverride AuthConfig
    Require local
    ErrorDocument 403 /error/XAMPP_FORBIDDEN.html.var
  </Directory>
```

then save the file (don't select Save As)

8. Copy the xibo file (version 3.3.5) in C:\xampp\htdocs then extract the file in the folder path mentioned
9. Then rename the folder extracted from the xibo file above to xibo
10. Open the php.ini file in the folder path C:\xampp\php then edit the file as shown below:

```
; The MIBS data available in the PHP distribution must be installed.
; See http://www.php.net/manual/en/snmp.installation.php
;extension=snmp

extension=soap
;extension=sockets
;extension=sodium
;extension=sqlite3
;extension=tidy
;extension=xmlrpc
;extension=xsl
```

```
; Maximum size of POST data that PHP will accept.
; Its value may be 0 to disable the limit. It is ignored if POST data reading
; is disabled through enable_post_data_reading.
; http://php.net/post-max-size
post_max_size=128M
```

```
; Maximum execution time of each script, in seconds
; http://php.net/max-execution-time
; Note: This directive is hardcoded to 0 for the CLI SAPI
max_execution_time=120
```

11. Then open xampp control panel
12. Open a browser (edge or mozilla) and type https://localhost/xibo/web/install/index.php/1
13. Then follow the installation procedure displayed in the installation process
14. After the installation is complete and xibo login is open, then do not log in first and close the browser
15. Open xampp control panel then stop Apache and MySql operations but do not close xampp control panel
16. Open the index.php file in the folder path C:\xampp\htdocs
17. Then edit it as shown below:

```
<?php
    if (!empty($_SERVER['HTTPS']) && ('on' == $_SERVER['HTTPS'])) {
        $uri = 'https://';
    } else {
        $uri = 'http://';
    }
    $uri .= $_SERVER['HTTP_HOST'];
    header('Location: '.$uri.'/xibo/web/');
    exit;
?>
Something is wrong with the XAMPP installation :-(
```

then save the file (don't select Save As)

18. Open the httpd.conf file in the folder path C:\xampp\apache\conf then search for the word "documentroot" by pressing the control key and F key simultaneously then type documentroot then press enter. After finding the word, then change it as shown below:

```
#
# DocumentRoot: The directory out of which you will serve your
# documents. By default, all requests are taken from this directory, but
# symbolic links and aliases may be used to point to other locations.
#
DocumentRoot "C:/xampp/htdocs/xibo/web"
<Directory "C:/xampp/htdocs">
```

then save the file (don't select Save As)

19. Then open the sendmail file.ini in the folder path C:\xampp\sendmail, then edit the file as shown below:

```
; configuration for fake sendmail

; if this file doesn't exist, sendmail.exe will look for the settings in
; the registry, under HKLM\Software\Sendmail

[sendmail]

; you must change mail.mydomain.com to your smtp server,
; or to IIS's "pickup" directory.  (generally C:\Inetpub\mailroot\Pickup)
; emails delivered via IIS's pickup directory cause sendmail to
; run quicker, but you won't get error messages back to the calling
; application.

smtp_server=mail.example.com
```

change this with your smtp email you have

```
; smtp port (normally 25)

smtp_port=587

; SMTPS (SSL) support
;   auto = use SSL for port 465, otherwise try to use TLS
;   ssl  = alway use SSL
;   tls  = always use TLS
;   none = never try to use SSL

smtp_ssl=tls


; the default domain for this server will be read from the registry
; this will be appended to email addresses when one isn't provided
; if you want to override the value in the registry, uncomment and modify

default_domain=mail.example.com
```

Change this with your smtp server email

```
; log smtp errors to error.log (defaults to same directory as sendmail.exe)
; uncomment to enable logging

error_logfile=error.log

; create debug log as debug.log (defaults to same directory as sendmail.exe)
; uncomment to enable debugging

debug_logfile=debug.log

; if your smtp server requires authentication, modify the following two lines

auth_username=
auth_password=
```

Fill this with your email username and password

```
; if your smtp server uses pop3 before smtp authentication, modify the
; following three lines.  do not enable unless it is required.
```

```
pop3_server=
pop3_username=
pop3_password=

; force the sender to always be the following email address
; this will only affect the "MAIL FROM" command, it won't modify
; the "From: " header of the message content

force_sender=
```

Fill this with your email

```
; force the sender to always be the following email address
; this will only affect the "RCTP TO" command, it won't modify
; the "To: " header of the message content

force_recipient=

; sendmail will use your hostname and your default_domain in the ehlo/helo
; smtp greeting.  you can manually set the ehlo/helo name if required

hostname=localhost
```

then save the file (don't select Save As)

20. Then open the php file.ini in the folder path C:\xampp\php then edit the file as shown below:

```
[mail function]
; For Win32 only.
; http://php.net/smtp
SMTP=mail.example.com
```

change this with your smtp email

```
; http://php.net/smtp-port
smtp_port=587

; For Win32 only.
; http://php.net/sendmail-from
sendmail_from =
```

Fill this with your email

```
; For Unix only.  You may supply arguments as well (default: "sendmail -t -i").
; http://php.net/sendmail-path
sendmail_path = "\"C:\xampp\sendmail\sendmail.exe\" -t"

; Force the addition of the specified parameters to be passed as extra parameters
; to the sendmail binary. These parameters will always replace the value of
; the 5th parameter to mail().
;mail.force_extra_parameters =
```

then save the file (don't select Save As)

21. Reopen the xampp control panel and re-enable Apache and MySql

22. Reopen the browser and then type the ip address owned by the computer that has xampp and xibo installed

23. Open notepad and create a file as follows:

{

"listenOn": "tcp://127.0.0.1:5555",

"pubOn": ["tcp://*:9505"],

"debug": true

}

then save the file with the name config.json then save the do path folder C:\xampp\htdocs\xibo\vendor\bin

24. Open notepad, then create an email like the example below:

<?php

mail('youremail@gmail.com', 'Email Subject', 'This is a test');

?>```

then save it with the name testemail.php and save it in the folder path C:\xampp\htdocs\Test. Previously you created a folder named Test in the folder path C:\xampp\htdocs

25. Open Notepad again and type the formula as below:

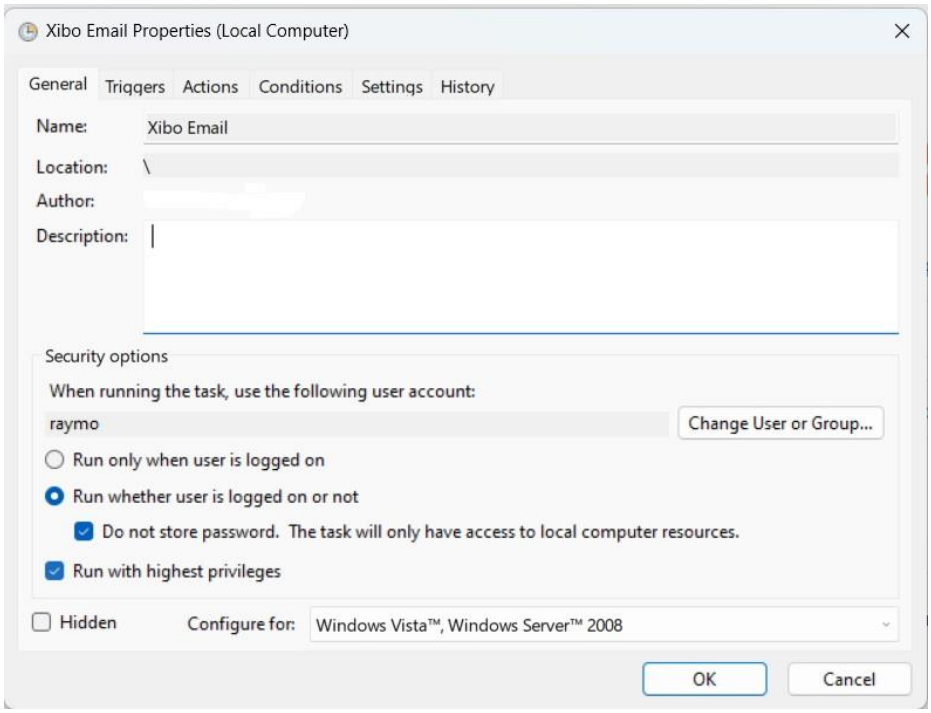
cd C:\xampp\htdocs\xibo\vendor\bin php xmr.phar

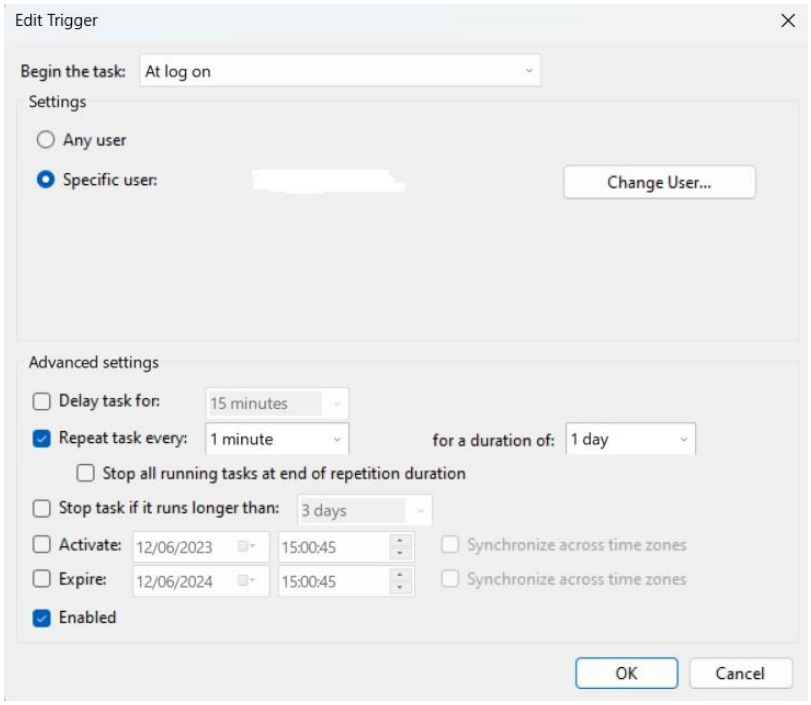
and then save as XMR.bat in folder path C:\xampp\htdocs\xibo

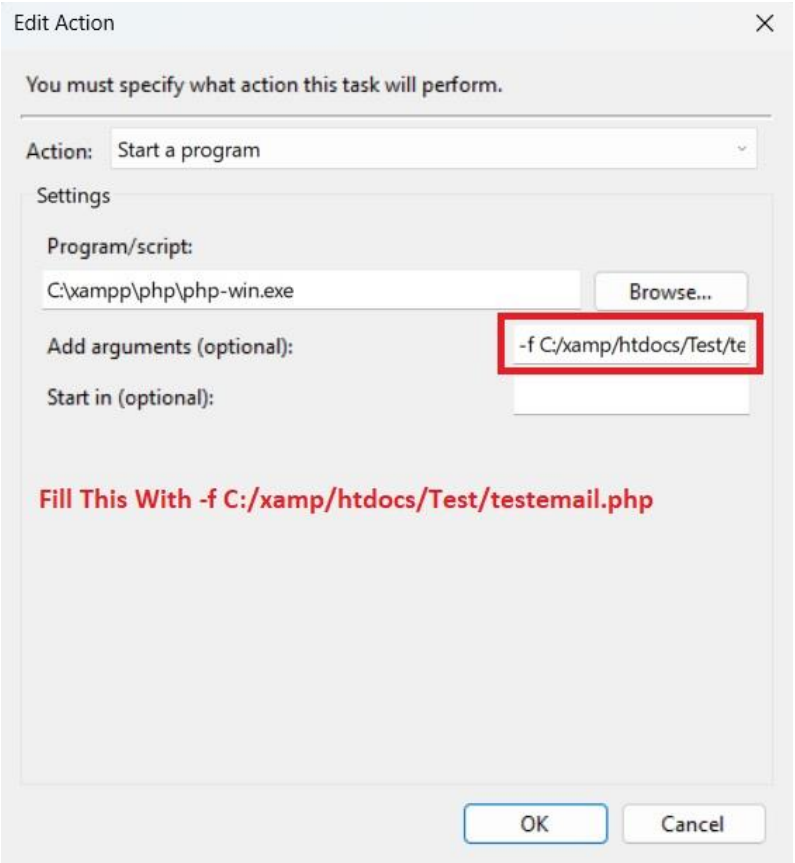
26. Open Task Scheduler and create some task schedulers for Xibo as below:

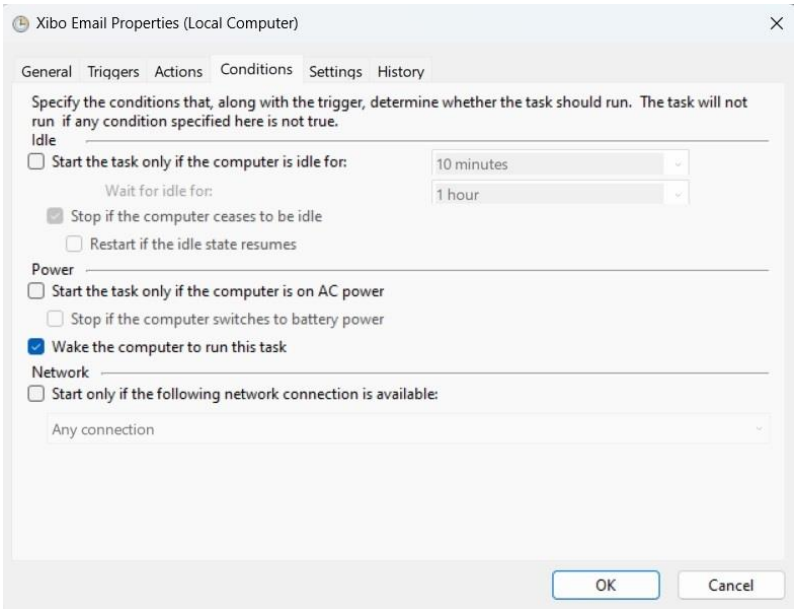
A. Task Scheduler for Test Email

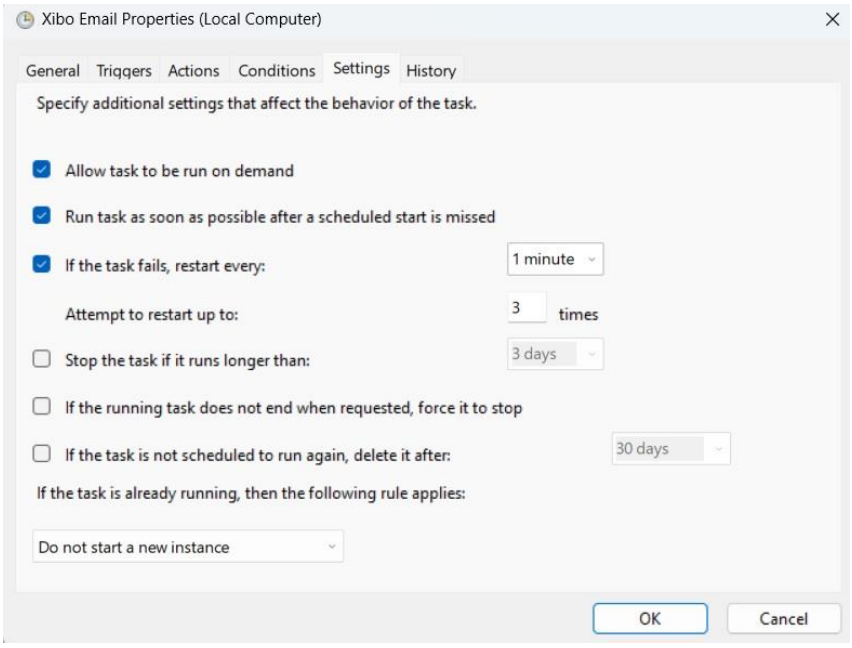
See the pictures below:


Xibo Email Properties (Local Computer)
General
Triggers
Actions
Conditions
Settings
History
Name:
Xibo Email
Location:
\
Author:
Description:
Security options
When running the task, use the following user account:
raymo
Change User or Group...
Run only when user is logged on
Run whether user is logged on or not
Do not store password. The task will only have access to local computer resources.
Run with highest privileges
Hidden
Configure for:
Windows Vista™, Windows Server™ 2008
OK
Cancel


Edit Trigger
Begin the task:
At log on
Settings
Any user
Specific user:
Change User...
Advanced settings
Delay task for:
15 minutes
Repeat task every:
1 minute
for a duration of:
1 day
Stop all running tasks at end of repetition duration
Stop task if it runs longer than:
3 days
Activate:
12/06/2023
15:00:45
Synchronize across time zones
Expire:
12/06/2024
15:00:45
Synchronize across time zones
Enabled
OK
Cancel

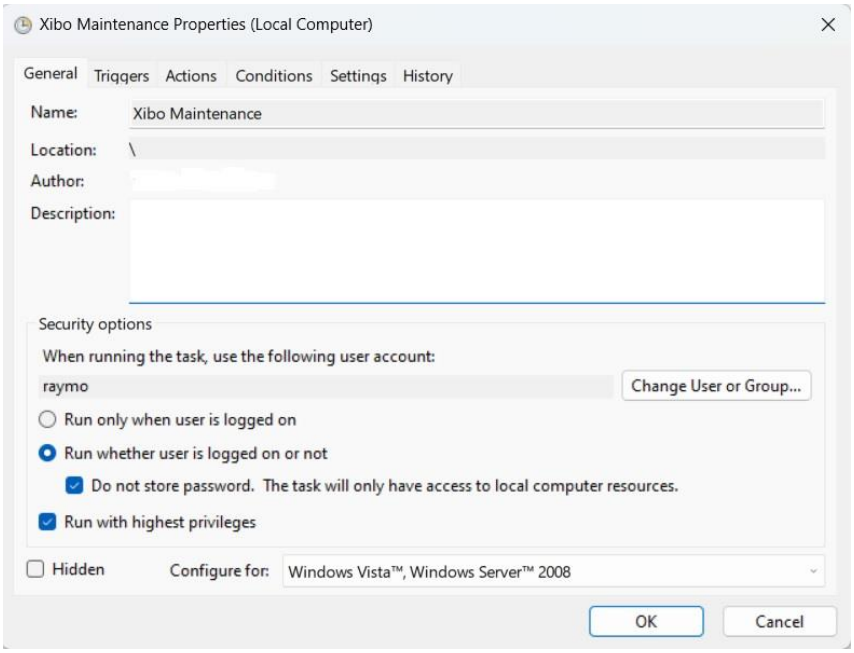

Edit Action
You must specify what action this task will perform.
Action:
Start a program
Settings
Program/script:
C:\xampp\php\php-win.exe
Browse...
Add arguments (optional):
-f C:/xamp/htdocs/Test/te
Start in (optional):
Fill This With -f C:/xamp/htdocs/Test/testemail.php
OK
Cancel

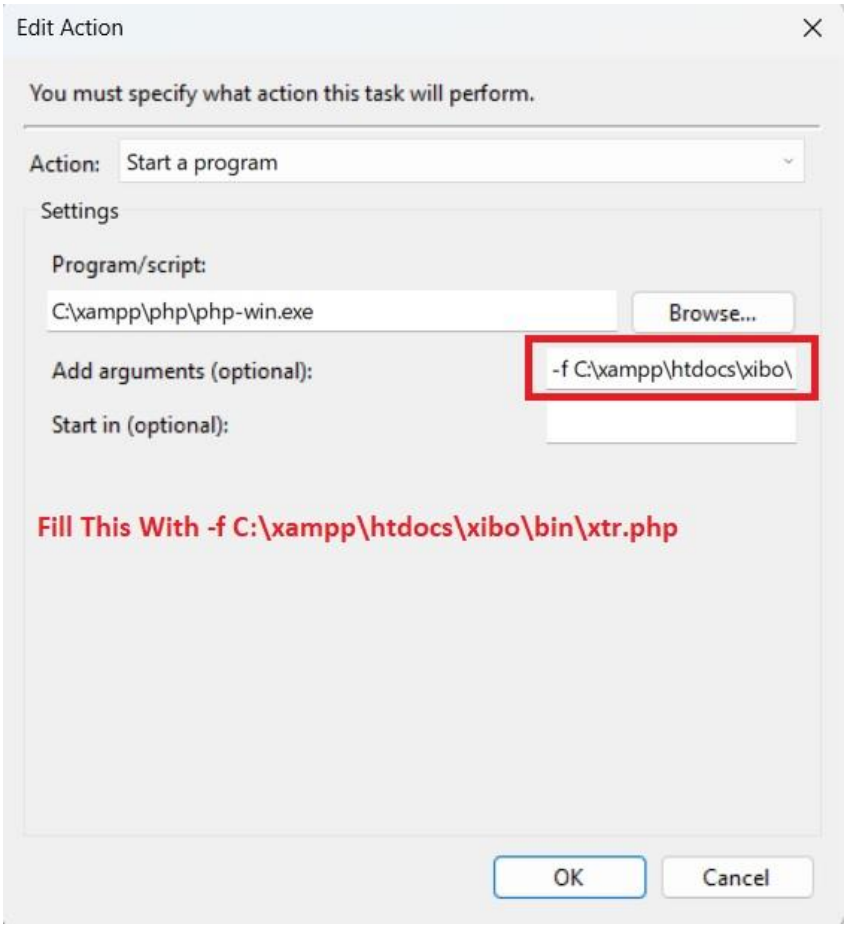

Xibo Email Properties (Local Computer)
General
Triggers
Actions
Conditions
Settings
History
Specify the conditions that, along with the trigger, determine whether the task should run. The task will not run if any condition specified here is not true.
Idle
Start the task only if the computer is idle for:
10 minutes
Wait for idle for:
1 hour
Stop if the computer ceases to be idle
Restart if the idle state resumes
Power
Start the task only if the computer is on AC power
Stop if the computer switches to battery power
Wake the computer to run this task
Network
Start only if the following network connection is available:
Any connection
OK
Cancel

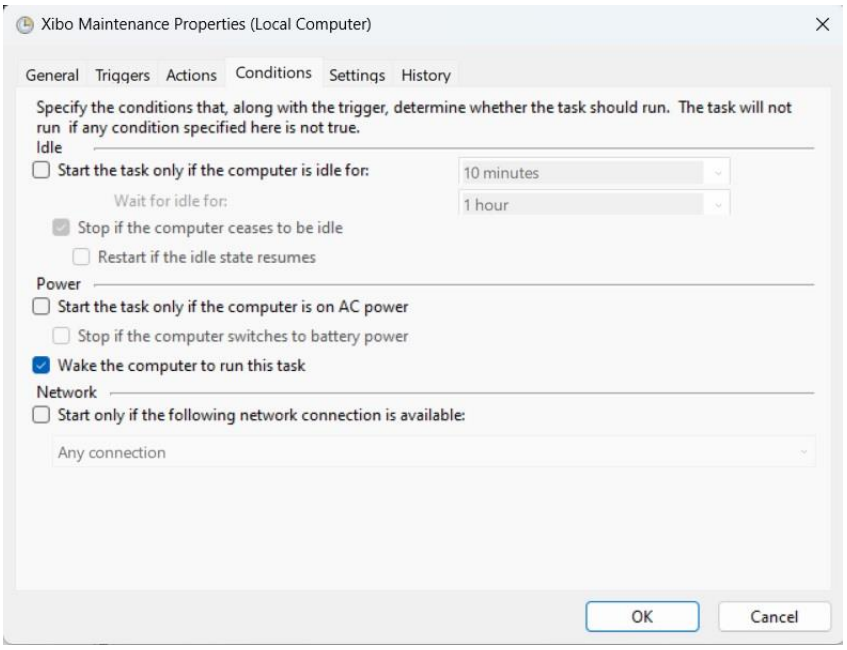


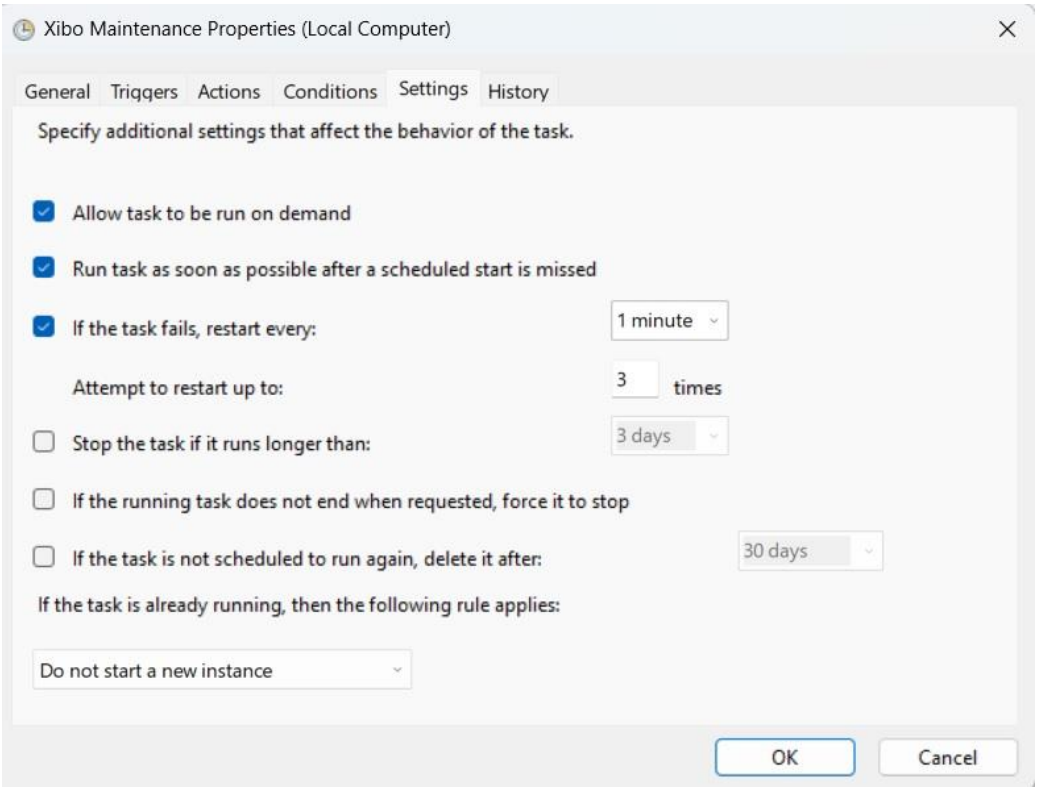
B. Task Scheduler for xtr xibo

See the pictures below:



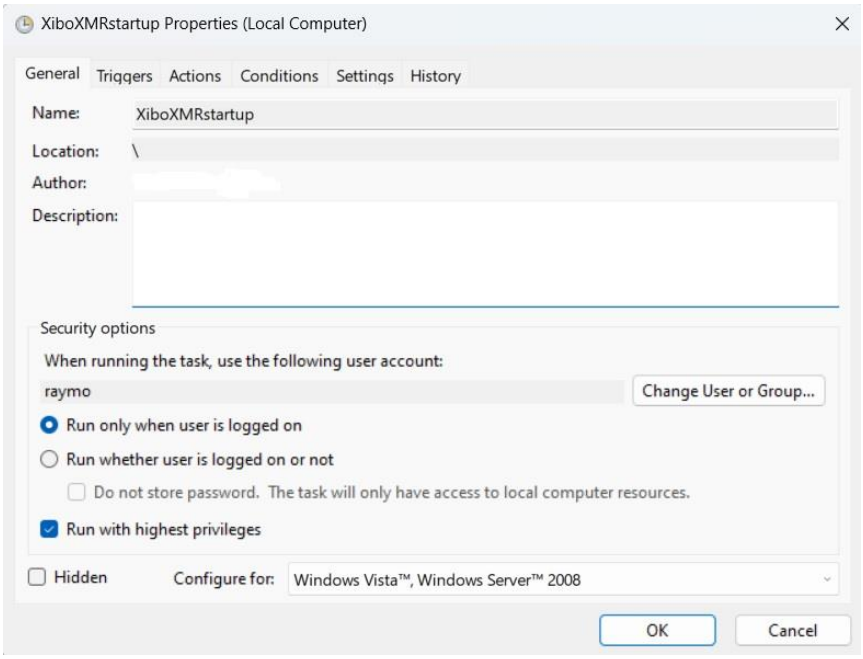

Edit Action
You must specify what action this task will perform.
Action:
Start a program
Settings
Program/script:
C:\xampp\php\php-win.exe
Browse...
Add arguments (optional):
-f C:\xampp\htdocs\xibo\
Start in (optional):
Fill This With -f C:\xampp\htdocs\xibo\bin\xtr.php
OK
Cancel

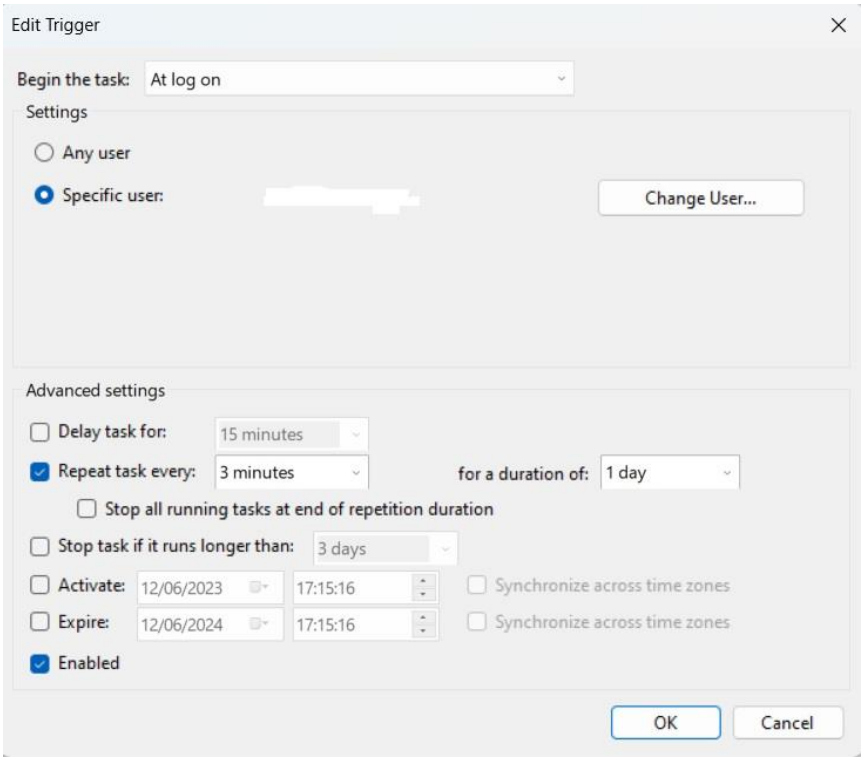

Xibo Maintenance Properties (Local Computer)
General
Triggers
Actions
Conditions
Settings
History
Specify the conditions that, along with the trigger, determine whether the task should run. The task will not run if any condition specified here is not true.
Idle
Start the task only if the computer is idle for:
10 minutes
Wait for idle for:
1 hour
Stop if the computer ceases to be idle
Restart if the idle state resumes
Power
Start the task only if the computer is on AC power
Stop if the computer switches to battery power
Wake the computer to run this task
Network
Start only if the following network connection is available:
Any connection
OK
Cancel

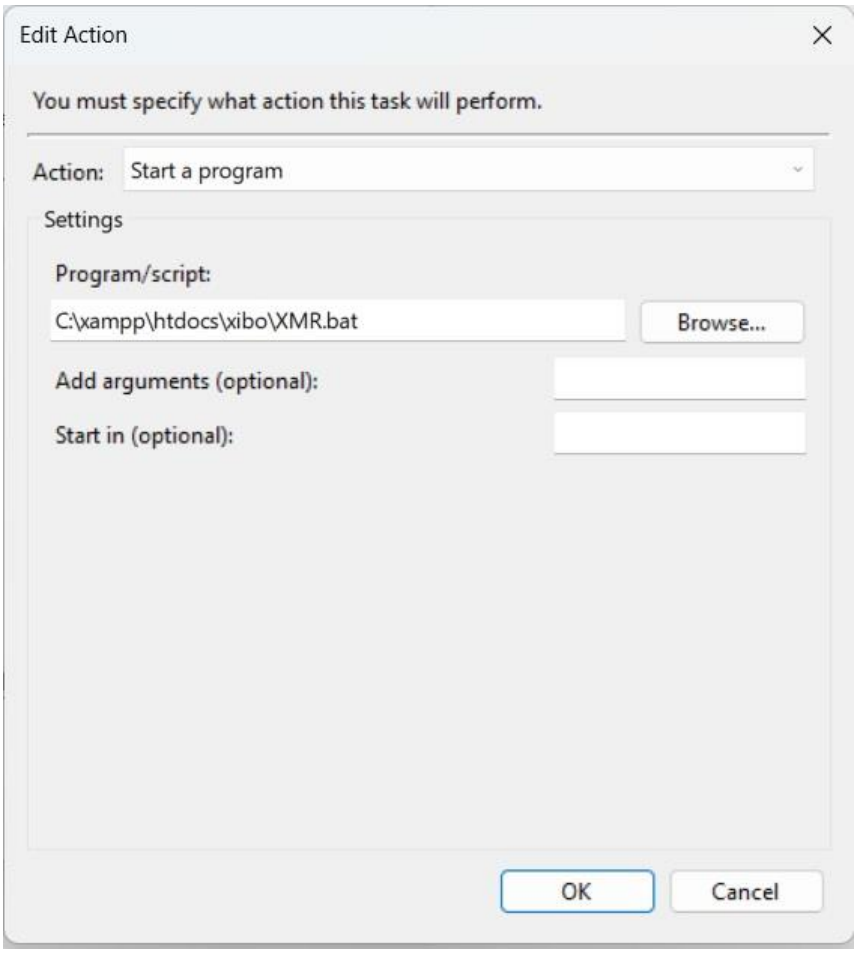


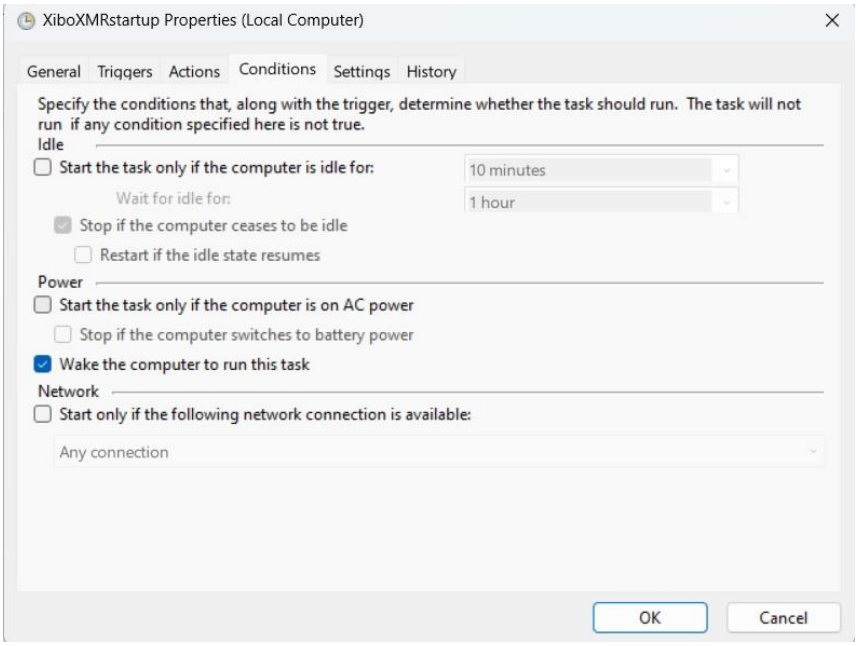
C. Task Scheduler for startup xmr program in xibo

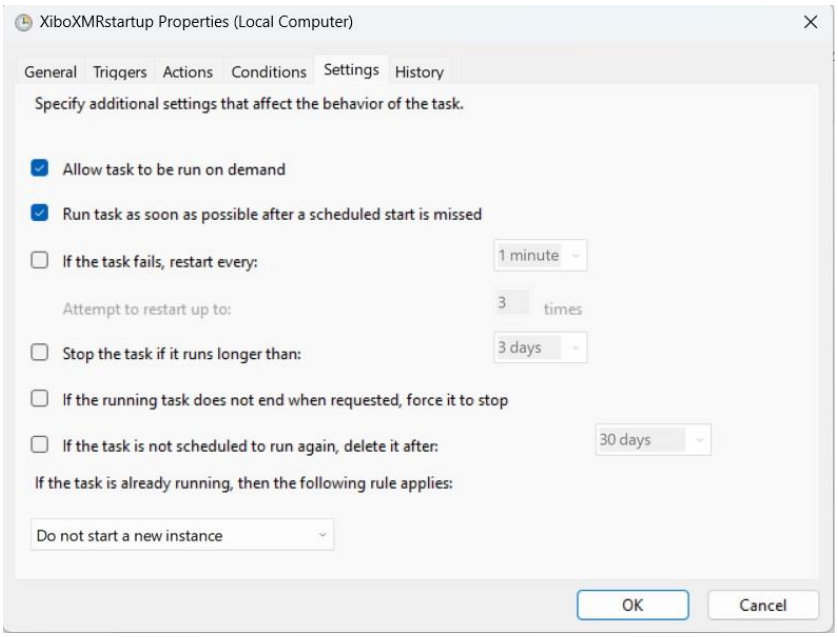
See the pictures below:




Edit Trigger
Begin the task: At log on
Settings
Any user
Specific user:
Change User...
Advanced settings
Delay task for: 15 minutes
Repeat task every: 3 minutes
for a duration of: 1 day
Stop all running tasks at end of repetition duration
Stop task if it runs longer than: 3 days
Activate: 12/06/2023 17:15:16
Synchronize across time zones
Expire: 12/06/2024 17:15:16
Synchronize across time zones
Enabled
OK
Cancel


Edit Action
You must specify what action this task will perform.
Action: Start a program
Settings
Program/script:
C:\xampp\htdocs\xibo\XMR.bat
Browse...
Add arguments (optional):
Start in (optional):
OK
Cancel





PS: If you want to call the xibo server in the browser by just typing the ip address, then you can follow the instructions number 17 and 18 above