

C. Lancement du site

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Configuration du fichier config

Ouvrir le fichier de configuration dans le dossier **Archimage2/config/**

Il se nomme config_template.txt il faut le compléter puis le renommer en config.php

```
sudo cp /var/www/html/archimage_26.5/Archimage2/config/config_example.txt
/var/www/html/archimage_26.5/Archimage2/config/config.php
```

```
sudo chown -R www-data:www-data /var/www/html/archimage_26.5/
```

Il est important de correctement saisir la partie URL et SQL afin que le site puisse se lancer. (jusqu'a la ligne 30).

Pour cela il faut l'ouvrir :

```
sudo nano /var/www/html/archimage_26.5/Archimage2/config/config.php
```

Le reste est optionnel et les valeurs par défaut devrait suffire. [Nous détaillerons toutes ces options ici.](#)

```
<?php declare(strict_types=1);
#####
//
//          FRAMEWORK OPTIONS
//
#####
// APP NAME
ParamManager::getInstance()->app_name="Archimage";
// SERVER NAME
ParamManager::getInstance()->server_name="Archimage";
// SITE TITLE
ParamManager::getInstance()->site_title="ARCHIMAGE";
// DEBUG MODE
ParamManager::getInstance()->debug=false;
// SESSION NAME
ParamManager::getInstance()->site_session_name="ARCHIMAGE_SESSION";
```

```
// SERVER URL !!
ParamManager::getInstance()->server_url="https://site-archimage.com/";
ParamManager::getInstance()->site_root="https://site-archimage.com/";
ParamManager::getInstance()->site_action="https://site-archimage.com/action.php";

#####

#####

// SQL DATABASE
ParamManager::getInstance()->sql_engine=Sql::$MYSQL; /* Sql::$MARIADB */
ParamManager::getInstance()->sql_host="localhost";
ParamManager::getInstance()->sql_user="archimage-user";
ParamManager::getInstance()->sql_database="archimage-database";
ParamManager::getInstance()->sql_pass="password";

#####
// EMAIL PARAMS :
// EMAIL FOR ERROR
ParamManager::getInstance()->error_email="error@email.com";
// Default Public EMAIL
ParamManager::getInstance()->public_email="public@email.com";
// EMAIL for contact form
ParamManager::getInstance()->add("CONTACT_EMAIL","contact@email.com");
// EMAIL SERVER PARAM
ParamManager::getInstance()->email_transport="smtp"; // smtp gmail null
ParamManager::getInstance()->email_mail="mail@email.com";
ParamManager::getInstance()->email_username="username";
ParamManager::getInstance()->email_password="password";
// STORING EMAIL BY IMAP ~ IF EMPTY IS NOT STORED
ParamManager::getInstance()->email_server=""; // using IMAP for storing option to not validate
cert {email.com:993/imap/ssl/novalidate-cert}
// SENDING PARAM ~ IF EMPTY NOTHING IS SEND
ParamManager::getInstance()->email_port="587"; // 25 587 ...
ParamManager::getInstance()->email_encryption="ssl"; // tls, ssl, or null
ParamManager::getInstance()->email_auth_mode="login"; // plain, login, cram-md5, ntlm or null.
ParamManager::getInstance()->email_verify_peer="false"; // if self sign certificate set false
ParamManager::getInstance()->email_smtp_server="email.com";

#####
```

```

// TMP DIR FOR :
// UPLOADS
ParamManager::getInstance()->add("TMP_UPLOAD_DIR","/var/www/archimage_dir/tmp_upload/");
// LOGS
ParamManager::getInstance()->log_directory="/var/www/archimage_dir/logs/";
// MAILS
ParamManager::getInstance()->log_dir_mail="/var/www/archimage_dir/mails/";

// DIRECTORY FOR THE STORAGE OF THE FILES !! SPACE NEEDED
ParamManager::getInstance()->add("REPOSITORY","/var/www/archimage_dir/repository");

// URL OF THE IIIF ENGINE
ParamManager::getInstance()->add("IIIF_ACCESS","0"); // 0 => everyone (by default) // 1 =>
only connected // 2 => off
ParamManager::getInstance()->add("IIIF_URL","https://site-archimage.com/iiif/");
// The url of the IIIF has to be set on the configuration file of the web server

#####

#####

//
//          LOCAL PARAM
//
#####

//Defaults Images : there are currently set in the config folder but can be changed anywhere
on the server
//
// *.jpg // *.png are supported
//
// Set image not Found in results
ParamManager::getInstance()-
>add("IMAGE_NOT_FOUND",__DIR__.DIRECTORY_SEPARATOR."image_not_found.jpg");
// Set image not Accessible by rights in results
ParamManager::getInstance()-
>add("IMAGE_NOT_ACCESSIBLE",__DIR__.DIRECTORY_SEPARATOR."image_not_accessible.jpg");
// Set used Fonts in image process

```

```

ParamManager::getInstance()->add("FONT_WATERMARK",__DIR__.DIRECTORY_SEPARATOR."FreeSans.ttf");
// IMAGE DEFAULT FOR TYPE AUDIO
ParamManager::getInstance()-
>add("IMAGE_DEFAULT_AUDIO",__DIR__.DIRECTORY_SEPARATOR."image_audio.jpg");
// IMAGE DEFAULT FOR TYPE VIDEO
ParamManager::getInstance()-
>add("IMAGE_DEFAULT_VIDEO",__DIR__.DIRECTORY_SEPARATOR."image_video.jpg");
// IMAGE DEFAULT FOR TYPE TEXTE
ParamManager::getInstance()-
>add("IMAGE_DEFAULT_TEXT",__DIR__.DIRECTORY_SEPARATOR."image_text.jpg");
// IMAGE DEFAULT FOR TYPE TEXTE
ParamManager::getInstance()-
>add("IMAGE_DEFAULT_SPREADSHEET",__DIR__.DIRECTORY_SEPARATOR."image_spreadsheet.jpg");

ParamManager::getInstance()-
>add("IMAGE_DEFAULT_3D",__DIR__.DIRECTORY_SEPARATOR."image_3d.jpg");
ParamManager::getInstance()-
>add("IMAGE_DEFAULT_AM",__DIR__.DIRECTORY_SEPARATOR."image_am.jpg");
ParamManager::getInstance()-
>add("IMAGE_DEFAULT_EST",__DIR__.DIRECTORY_SEPARATOR."image_estampage.jpg");
ParamManager::getInstance()-
>add("IMAGE_DEFAULT_PHOTO",__DIR__.DIRECTORY_SEPARATOR."image_photo.jpg");
ParamManager::getInstance()-
>add("IMAGE_DEFAULT_PLANO",__DIR__.DIRECTORY_SEPARATOR."image_plano.jpg");

// CONFIGURATION OF THE EXTERNAL DATA STORAGE
//#####
// ACTIVATE EFA API
ParamManager::getInstance()->add("EFA_API","0");
// URL OF THE JSON API FOR THE EFA RESSOURCES
ParamManager::getInstance()->add("MISSIONS_API","");
ParamManager::getInstance()->add("MANIFESTATIONS_API","");
ParamManager::getInstance()->add("CHRONIQUE_API","");
// URL OF THE ONIX FOR THE PUBLICATIONS
ParamManager::getInstance()->add("PUBLICATIONS_API","");
// Key to access the API Data export
ParamManager::getInstance()->add("DATA_API_TOKEN","");

// URL OF THE IDREF API

```

```
ParamManager::getInstance()->add("IDREF_API","https://www.idref.fr");

// URL FOR THE PUBLIC PUBLICATIONS CATALOG
// DATACITE API CONFIGURATION
ParamManager::getInstance()->add("DATACITE_API", "https://api.test.datacite.org");
// "https://api.datacite.org"
ParamManager::getInstance()->add("DATACITE_BASE_URL", "https://handle.test.datacite.org/");
// "https://doi.org/"
ParamManager::getInstance()->add("DATACITE_HOSTED_PAGES",
"https://doi.test.datacite.org/does/");
// "https://doi.datacite.org/does/"
ParamManager::getInstance()->add("DATACITE_PREFIX", "");
ParamManager::getInstance()->add("DATACITE_USER", "");
ParamManager::getInstance()->add("DATACITE_PASSWORD", "");
ParamManager::getInstance()->add("DATACITE_EFE", "");
ParamManager::getInstance()->add("DATACITE_SUFFIX", "");
ParamManager::getInstance()->add("DATACITE_EMAIL", "");
ParamManager::getInstance()->add("DATACITE_DEFAULT_AUTHOR", "");

// SET A TEMPLATE FOR THE PUBLIC SITE -> exact dir name in the Archimage2/template/ dir
//ParamManager::getInstance()->add("TEMPLATE_STATIC_HTML","TEMPLATE_NAME");

// SET URL FOR THE ANALYTICS (MATOMO SUPPORT)
ParamManager::getInstance()->add("MATOMO_URL","");
ParamManager::getInstance()->add("MATOMO_ID","");
//#####

// CONFIGURATION OF THE MAPS BY LEAFLET OPTIONS
ParamManager::getInstance()->add("LEAFLET_HEIGHT","400");
ParamManager::getInstance()->add("LEAFLET_MAX_ZOOM","19");
ParamManager::getInstance()->add("LEAFLET_DEFAULT_ZOOM","6");
ParamManager::getInstance()->add("LEAFLET_DEFAULT_CENTER_X","37.39");
ParamManager::getInstance()->add("LEAFLET_DEFAULT_CENTER_Y","25.26");
```

```
ParamManager::getInstance()->add("LEAFLET_GEO_COLOR","#6B82AC");
ParamManager::getInstance()->add("LEAFLET_GEO_WEIGHT","1");
ParamManager::getInstance()->add("LEAFLET_GEO_OPACITY","0.1");
ParamManager::getInstance()->add("LEAFLET_MARKER_PRIVATE_TOO_LARGE","100000");
ParamManager::getInstance()->add("LEAFLET_MARKER_PRIVATE_LARGE","50000");
ParamManager::getInstance()->add("LEAFLET_MARKER_PRIVATE_MEDIUM","10000");
ParamManager::getInstance()->add("LEAFLET_MARKER_PRIVATE_SMALL","500");
ParamManager::getInstance()->add("LEAFLET_MARKER_PRIVATE_VERY_SMALL","50");
ParamManager::getInstance()->add("LEAFLET_MARKER_PUBLIC_TOO_LARGE","10000");
ParamManager::getInstance()->add("LEAFLET_MARKER_PUBLIC_LARGE","3000");
ParamManager::getInstance()->add("LEAFLET_MARKER_PUBLIC_MEDIUM","500");
ParamManager::getInstance()->add("LEAFLET_MARKER_PUBLIC_SMALL","100");
ParamManager::getInstance()->add("LEAFLET_MARKER_PUBLIC_VERY_SMALL","10");
ParamManager::getInstance()->add("LEAFLET_RESEARCH_HEIGHT","600");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_0","#6B82AC");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_0_W","1");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_0_0","0.1");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_1","#6B82AC");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_1_W","1");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_1_0","0.1");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_2","#A2D5CD"); // 6EECD7 98B6B1
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_2_W","8");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_2_0","0.5");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_3","#74C796"); // 74C796 629677
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_3_W","5");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_3_0","0.7");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_4","#495D63");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_4_W","1");
ParamManager::getInstance()->add("LEAFLET_SECTEUR_LVL_4_0","1");
```

```
#####
```

```
//
```

```
//          END LOCAL PARAM
```

```
//
```

```
#####
```

```
#####
```

```
//
```

```
//          Visualization Options
```

```

//
//#####

//Show Period open ? =>
ParamManager::getInstance()->add("FICHE_PUBLIQUE_PERIODES_EXPAND","1"); // Opened => 1 //
Closed => 0
//Show Period link ? =>
ParamManager::getInstance()->add("FICHE_PUBLIQUE_PERIODES_LIENS","2"); // nothing => 0 // full
url=> 1 // just ico =>2
// is Sector expanded
ParamManager::getInstance()->add("FICHE_PUBLIQUE_SECTEURS_EXPAND","1"); // Opened => 1 //
Closed => 0
//
// ARCHIVES MANUSCRITES
ParamManager::getInstance()->add("AM_LABEL","BOTH"); // REFERENCE LEGENDE BOTH
ParamManager::getInstance()->add("AM_TYPE","NONE"); // NORMAL NONE
ParamManager::getInstance()->add("AM_TREE_FULL","1"); // 1 #all tree in fiche

// Show author form
ParamManager::getInstance()->add("AUTEUR_FORME","NORMAL"); // NORMAL IDREF

// DESCRIPTION FIELDS OPTIONS
//ParamManager::getInstance()->add("desc1","Example field name"); // label to replace desc1
//ParamManager::getInstance()->add("desc1Type","Text"); // Type : Int // Text // TextArea
// etc to ... 20
//ParamManager::getInstance()->add("desc2","Example field name"); // label que l'on veut
//ParamManager::getInstance()->add("desc2Type","Int"); // Int // Text // TextArea

//

// DC OPTIONS
ParamManager::getInstance()->add("DC_SOURCE","Institution Archive department");
ParamManager::getInstance()->add("DC_PUBLISHER","Institution Publisher");
ParamManager::getInstance()->add("DC_DEFAULT_LANGUAGE","en"); // fre ....

// EAD OPTIONS
ParamManager::getInstance()->add("EAD_CONTRIBUTOR","Institution contributor");
ParamManager::getInstance()->add("EAD_TITLE","Institution Archive department catalog");
ParamManager::getInstance()->add("EAD_HEADER_SITE_TITLE","");
ParamManager::getInstance()->add("EAD_HEADER_PROFILE_DESC","");

```

```
ParamManager::getInstance()->add("EAD_IDENTIFIER","");
ParamManager::getInstance()->add("EAD_COUNTRY_CODE","");
ParamManager::getInstance()->add("EAD_REPOSITORY_CODE","");
ParamManager::getInstance()->add("EAD_CORPNAME","");
ParamManager::getInstance()->add("EAD_SOURCE","");
ParamManager::getInstance()->add("EAD_SOURCE_SUBJECT","");
ParamManager::getInstance()->add("EAD_AUTH_NUMBER","");
ParamManager::getInstance()->add("EAD_ADDRESS_STREET","");
ParamManager::getInstance()->add("EAD_ADDRESS_CODE_CITY","");
ParamManager::getInstance()->add("EAD_ADDRESS_COUNTRY","");
ParamManager::getInstance()->add("EAD_ADDRESS_PHONE","");
ParamManager::getInstance()->add("EAD_ADDRESS_EMAIL","");
ParamManager::getInstance()->add("EAD_ACCESS_RESTRICT",""); // link allowed <extref
href="https://link.com\" show="new\">for more informations ...</extref>
ParamManager::getInstance()->add("EAD_CREATION_PROFILE_1","");
ParamManager::getInstance()->add("EAD_CREATION_PROFILE_2","");
ParamManager::getInstance()->add("EAD_DEFAULT_LANGUAGE_ISO","en");
ParamManager::getInstance()->add("EAD_DEFAULT_LANGUAGE_LABEL","");
ParamManager::getInstance()->add("EAD_GENREFORM_TYPE","");
ParamManager::getInstance()->add("EAD_GENREFORM_LABEL","");
ParamManager::getInstance()->add("EAD_GEOGNAME_ROLE","");
ParamManager::getInstance()->add("EAD_SITE_CORPNAME_ORIGINATION","");
ParamManager::getInstance()->add("EAD_SITE_SCOPE_CONTENT","");
ParamManager::getInstance()->add("EAD_SITE_ACCRUALS","");
ParamManager::getInstance()->add("EAD_SITE_MISSION_PREFIX","");
ParamManager::getInstance()->add("EAD_SITE_DECENNIE_PREFIX","");
ParamManager::getInstance()->add("EAD_SITE_ANNEE_PREFIX","");
ParamManager::getInstance()->add("EAD_SITE_ARRANGEMENTS","");
ParamManager::getInstance()->add("EAD_SITE_URL_REPOSITORY","");
ParamManager::getInstance()->add("EAD_SITE_GENREFORM_LABEL","");
ParamManager::getInstance()->add("EAD_DEFAULT_DATE_NOT_SET","_Date_not_set");
ParamManager::getInstance()->add("EAD_DEFAULT_MISSION_NOT_SET","mission_not_specified");
ParamManager::getInstance()->add("EAD_DEFAULT_SECTEUR_NOT_SET","sector_not_specified");

// LICENCE USED
ParamManager::getInstance()->add("LICENCE_DESCRIPTIONS","Licence....");

// ACTIVATE LIASSES For IFA0
ParamManager::getInstance()->add("ACTIVATE_LIASSES","0"); // 0 disable or 1 activated
```



```

//          STYLE OPTIONS DOR ADMIN PANEL
//
#####
StyleManager::getInstance()->main_colour="#6B82AC";
StyleManager::getInstance()->colour_2="#003459";
StyleManager::getInstance()->colour_3="#007EA7";
StyleManager::getInstance()->font_colour_1="";
StyleManager::getInstance()->font_colour_2="";
StyleManager::getInstance()->link_colour_1="";
StyleManager::getInstance()->link_colour_1_hover="";
StyleManager::getInstance()->link_colour_2="";
StyleManager::getInstance()->link_colour_2_hover="";

#####
//
//          CACHE OPTIONS REDIS
//
#####
// REDIS CAN BE USED AS CACHE TO ALLOW A BOOST IN PERFORMANCE
//ParamManager::getInstance()->redis_hostname='';
//ParamManager::getInstance()->redis_port='';
//ParamManager::getInstance()->redis_username='';
//ParamManager::getInstance()->redis_password='';
//ParamManager::getInstance()->redis_dbindex='';
//ParamManager::getInstance()->redis_timeout='';
//ParamManager::getInstance()->redis_read_timeout='1.5';
//ParamManager::getInstance()->redis_retry_interval='';

// A IIIF CACHE can be set For Performance
//ParamManager::getInstance()-
>add("IIIF_CACHE_DIRECTORY","/var/www/archimage_dir/iiif_cache/");

// ACTIVATE the FranceArchives page with the OAI_PMH connector
//ParamManager::getInstance()->add("FranceArchives","0"); // 0 disable or 1 activated

// SET IMAGE PROVIDER -> Default imagick see documentation
ParamManager::getInstance()->add("IMAGE_ENGINE","vips"); /* vips,imagick,gd */

ParamManager::getInstance()->add("LANGUAGES","fr"); // fr,en,es,gr,it

```

```
ParamManager::getInstance()->add("DEFAULT_LANG","fr"); /* auto (default) or set one language
*/

// set route identifier in url
KRoute::overrideKrouteIdentifier("r");
```

Problème pouvant survenir ...

- Problème de configuration des sessions

```
PHP Notice: session_start(): ps_files_cleanup_dir: opendir(/var/lib/php/session) failed: Permission denied (13)
```

Ce problème peut survenir sur les distributions sous Debian.

```
sudo chown www-data:www-data /var/lib/php/sessions/ -Rf
```

- Problème d'espace lors des transformations des images VIPS

```
libvips error: wbuffer_write: write failed system error: No space left on device  
wbuffer_write: write failed system error
```

Le répertoire /tmp utilisé par défaut pour la conversion des fichiers images est trop petit.

Pour cela on peut demander à VIPS d'utiliser plus de RAM ou bien d'utiliser un autre dossier ayant plus d'espace disponible

Pour cela dans le fichier apache.conf ou bien pour FPM le fichier [www.conf](#) veuillez utiliser ces options :

```
# Garder en Ram les fichiers plus petit que 500M  
env[VIPS_DISC_THRESHOLD] = 500m
```

Lancement de la partie paramétrage

Se rendre sur l'URL spécifié lors de la configuration du serveur Web : dans notre exemple site-archimage.com

La réussite de l'affichage de la page d'installation validera votre configuration de votre serveur Web.

L'installation consistera en 4 étapes:

1. Vérification de l'installation de PHP et des extensions

Archimage- Installation V 26.5

1\ PHP INSTALLATION VERIFICATION

✓ 1) PHP

PHP version installed is 8.5.4

✓ 2) PHP RUNNING

is module PHP RUNNING => fpm-fcgi

✓ 3) PHP MODULES

INSTALLED => bcmath | php8.5-bcmath
INSTALLED => bz2 | php8.5-bz2
INSTALLED => standard | php8.5-common
INSTALLED => gd | php8.5-gd
INSTALLED => igbinary | php8.5-igbinary
INSTALLED => imagick | php8.5-imagick
INSTALLED => intl | php8.5-intl
INSTALLED => mbstring | php8.5-mbstring
INSTALLED => mysqli | php8.5-mysql
INSTALLED => zend opcache | php8.5-opcache
INSTALLED => readline | php8.5-readline
INSTALLED => xml | php8.5-xml
INSTALLED => zip | php8.5-zip
INSTALLED => curl | php8.5-curl

-> Next step

2. Vérification des permissions des dossiers

2\ CONFIG VERIFICATION

✓ 1) DIRECTORY PERMISSION

```
WEB : /var/www/html/archimage_26.5/Archimage2/www  
ROOT : /var/www/html/archimage_26.5/Archimage2  
CACHE : /var/www/html/archimage_26.5/Archimage2/cache  
REPOSITORY : /var/www/archimage_dir/repository  
UPLOAD DIR : /var/www/archimage_dir/tmp_upload/  
LOG DIR : /var/www/archimage_dir/logs/  
EMAIL LOG DIR : /var/www/archimage_dir/mails/
```

Folders rights are correct!

✓ 2) CHECK URL OF THE APPLICATION

Uri set in the config.php file =>http://192.168.11.133/

Uri detected by the script =>http://192.168.11.133/

The url of the application is the same of the current URL domain

-> Next step

<- Back to step 1

3. Vérification des accès et mise en place de la base de données

3\ DB CONFIG VERIFICATION

✓ 1) TEST FRAMEWORK

Framework loaded

✓ 2) TEST DATABASE

Connection is established

Host : localhost

User : myuser

Database : mydatabase

✓ 3) DATABASE STRUCTURE

Database imported

✓ 4) DATABASE TABLES CHECK

ALL TABLES ARE CORRECT

► Details

✓ 5) DATABASE DATA IMPORT

Database imported

-> Next step

<- Back to step 2

4. Création du compte administrateur

4\ ADMIN CREATION

✓ 1) USER ADMIN CREATION

User created in the DB with email => error@email.com // adminArchimage

The configuration is completed! Please remove the install.php file and remove the inclusion in the index.php

Then go to index.php .

<- Back to step 3

À cette étape il faudra supprimer le fichier install.php situé dans le repertoire actif du site web :

```
sudo rm /var/www/html/archimage_26.5/Archimage2/www/install.php
```

Puis modifier les premières lignes du fichier index pour commenter ou supprimer la ligne d'inclusion du fichier install.php

```
sudo nano /var/www/html/archimage_26.5/Archimage2/www/index.php
```

de cette façon :

```
<?php declare(strict_types=1);  
  
//INSTALL REMOVE THIS  
require_once("install.php");  
#####
```

en

```
<?php declare(strict_types=1);  
  
//INSTALL REMOVE THIS  
//require_once("install.php");  
#####
```

Enregistrer avec Ctrl O puis Ctrl X pour quitter.

Vous pouvez cliquer maintenant sur l'index.php.

Et vous rendre sur la suite de la configuration.

Paramètres avancées du fichier de configuration