

CleanAtlantic

Tackling Marine Litter
in the Atlantic Area

Marine Litter LOC-app

Installation manual

WP	5
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Installation manual

1. BACKGROUND

In the framework of CleanAtlantic project, the Technological Institute for the Marine Environment Monitoring of Galicia (INTECMAR) developed the mobile application *Marine Litter LOC-app* with the objective of facilitate and homogenize data collection of marine litter piled-up areas along the coast.

Marine Litter LOC-app allows geolocalize the zones of accumulation, their characteristics and dimensions, add pictures and comments, as well as collect specific information about the marine litter. *Marine Litter LOC-app* was created with the purpose of being used during managed monitoring sessions where a coordinator (with the profile of Administrator) must previously choose those sector that will be monitored and must assign each sector to whom will collect data (with the profile of User).

Marine Litter LOC-app has three help manuals and an annex:

- Installation Manual (content in this document).
- Administrator Manual.
- User Manual.
- Annex: Diagram of the data base .

2. MINIMUM SYSTEM REQUIREMENTS

ProcesSor:	1Core 2GHz	
RAM:	1GB	
OS:	Windows, Linux	
PostgreSQL:	9.5 or later	https://www.postgresql.org/
PostGIS:	2.2	https://postgis.net/
Apache:	2.0.x or later with <i>mod_proxy_ajp</i> Optional: <i>mod_ssl</i> , <i>mod_rewrite</i> for HTTPS	https://www.apache.org/

3. DATA BASE

1. Create the data base "**cleanatlantic**".
2. Create the user "**cleanatlantic**" with the password "**6p/edso7UYyvTK3wnoM=**".
3. Download the data base from the CleanAtlantic web.

4. WEB SERVER

1. Configure a VirtualHost with the chosen domain, for instance, *cleanatlantic.intecmar.gal* and the following configuration, indicating the IP and corresponding domains:

```
<VirtualHost x.x.x.x:80>
    ServerName cleanatlantic.intecmar.gal
    ProxyRequests Off
    ProxyPass / ajp://localhost:8009/ retry=0
    ProxyPassReverse / ajp://localhost:8009/

    Header set Access-Control-Allow-Origin "*"
    Header always set Access-Control-Allow-Headers "*"
</VirtualHost>
```

2. It is recommended to configure HTTPS as mandatory.

5. SERVICES

1. Depending on the OS, create the following folder, which from now on will be called *dir_inst*:
 - a. Linux: */var/cleanatlantic/*
 - b. Windows: *C:\path\to\folder\cleanatlantic*
2. Copy in *dir_inst* the following folders *web* and *api*.
3. Edit */dir_inst/api/application.yml* and configure the chosen domine in the line:

```
mail: # Modify parameters according to organization
  host: mailserver
  port: 25
  username: noreply@mailserver
  password: xxxx
  properties:
    mail.smtp.auth: true
    mail.smtp.starttls.enable: false

diskfilemanager:
  repositoryPath: /dir_inst/repository

cleanatlantic: # Modify parameters according to organization
  visor-url: http://path/to/viewer
  mail:
    from: '"Clean Atlantic App" <noreply@mailserver>'
    base-url: http://path/to/webapp
    organization:
      name: name
      description: Clean Atlantic Project
      address: address
      contact-info: email info
      email: email
```

logo-url: <http://path/to/logo/cleanatlantic.png>

4. Edit `/dir_inst/web.jar/application.yml` and configure:

```
server:
  # Define a free port on the machine
  port: ${port:8088}

spring:
  http:
    multipart:
      enabled: true
      location: /dir_inst/multipart

# Modify parameters according to organization
organizacion:
  proxy:
    enabled: true # ENABLE (true) ON ORGANIZACION DEPLOYMENT WITH PROXY
    forwarded-port: 80
    forwarded-host: path/to/webapp
```

5. Install the .jar web and api services and configure to start with the system.
6. Start the cleanatlantic-api and cleanatlantic-web services. It can be used from the application once it is updated with the new domain.

6. CONTACT INFORMATION

For further information, you can contact us through the following channels:

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