
SesDashboard

Release v1.1.0

Nikeev

Jun 04, 2022

CONTENTS:

- 1 Installation 1**
 - 1.1 AWS Marketplace 1
 - 1.2 Docker installation 1
 - 1.3 Regular installation 2
- 2 Configuration 3**
 - 2.1 1.a. New AWS SES Console v2 (preferable) 3
 - 2.2 1.b. AWS SES Console v1 8
 - 2.3 2. AWS SNS Configuration step 8
- 3 Upgrades 11**
- 4 Commands 13**
 - 4.1 Clear old emails data 13
 - 4.2 Create admin user 13
- 5 About 15**
- 6 Indices and tables 19**
- Index 21**

INSTALLATION

There are several ways to install app.

- AWS Marketplace
- Docker installation
- Regular installation

1.1 AWS Marketplace

There is an AWS Marketplace prebuild app: <https://aws.amazon.com/marketplace/pp/Nikeev-SesDashboard/B08DQ5CY6T>

1.2 Docker installation

- Git clone <https://github.com/Nikeev/sesdashboard.git>
- Copy `.env` file to `.env.local`
- Fill database parameters in `.env.local` with your MySQL credentials
- Run

```
$ docker-compose up -d
$ docker exec -it sesdashboard-php-fpm composer install
$ docker exec -it sesdashboard-php-fpm ./bin/console doctrine:migrations:migrate -n
```

- To create Admin user run

```
$ docker exec -it sesdashboard-php-fpm ./bin/console app:create-user --admin
```

- Go to <http://your-ip/login> or <http://localhost/login>

1.3 Regular installation

- Download an app (download zip or git clone) to your web directory so your webserver should use /public/index.php
- Copy .env file to .env.local
- Fill database parameters in .env.local with your MySQL credentials

```
$ composer install
$ ./bin/console doctrine:migrations:migrate -n
```

- To create Admin user run

```
$ ./bin/console app:create-user --admin
```

- (Optionally) If your server webroot is not /public directory you could create symlink to it. For example, if your server configured for /public_html directory, run

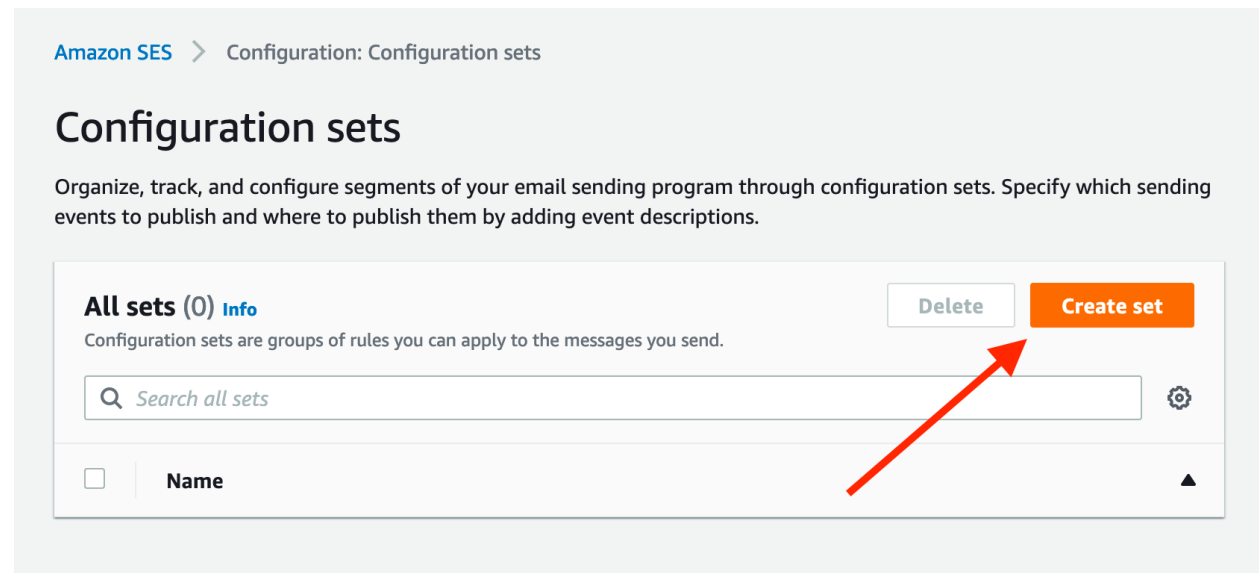
```
$ ln -s ~/sesdashboard/public ~/sesdashboard/public_html
```

- Go to <http://your-ip/login> or <http://localhost/login>

CONFIGURATION

2.1 1.a. New AWS SES Console v2 (preferable)

- If none created yet, create a new Configuration Set. Log in into Amazon Simple Email Service console.
- Go to Configuration sets menu item under Configuration section and click Create set.



- Fill Configuration set name and create set.

[Amazon SES](#) > [Configuration: Configuration sets](#) > Create set

Create set

A *configuration set* is a group of rules you can apply to the messages you send through Amazon SES.

General details

Configuration set name

64 character limit. Only letters, numbers, underscores, and dashes are permitted.

Sending IP pool [Info](#)

When you send email using this configuration (config) set, messages will be sent from the dedicated IPs in the assigned pool.

Tracking options [Info](#)


Use your own redirect domain to handle open and click tracking for this configuration set. To enable tracking, you must add an event destination.

☐ Use a custom redirect domain

► Advanced delivery options

Reputation options

Reputation metrics

Enable Amazon SES to track bounce and complaint metrics in CloudWatch for messages sent using this configuration set. [Additional charges](#)  will apply.

☐ Enabled

Suppression settings

Choose whether you'd like Amazon SES to handle automatic suppressions at the account level or at the configuration set level according to custom suppression settings.

☒ Account-level

☐ Configuration set-level

Tags - optional [Info](#)

You can add one or more tags to help manage and organize your resources, including configuration sets.

No tags associated with the resource.

You can add 50 more tags.

Cancel

Create set

- At Event configuration page click Event destinations and Add destination.

Amazon SES > Configuration: Configuration sets > Tracking

Tracking

Overview | **Event destinations**

All destinations (0) [Info](#) [Delete](#) [Add destination](#)

<input type="checkbox"/>	Name ▲	Destination ▼	Event types ▼	Event publishing ▼
--------------------------	--------	---------------	---------------	--------------------

- Chose Event types you wish to track and click Next. (Note: Not all events supported yet.)

Amazon SES > Configuration: Configuration sets > Tracking > Add event destination

Step 1
Select event types

Step 2
Specify destination

Step 3
Review

Select event types

Email sending events are metrics relating to your sending activity that you can measure using Amazon SES. Choose which types of sending events you'd like Amazon SES to publish to your event destination.

Event types [Deselect all](#)

Sending and delivery

- ☒ **Sends**
The call was successful and Amazon SES will attempt to deliver the message to the recipient's mail server.
- ☒ **Rendering failures**
The message wasn't sent because of a template rendering issue.
- ☒ **Rejects**
Amazon SES accepted the message, but determined that it contained a virus and didn't attempt to deliver it to the recipient's mail server.
- ☒ **Deliveries**
Amazon SES successfully delivered the message to the recipient's mail server.
- ☒ **Hard bounces**
The recipient's mail server permanently rejected the message.
- ☒ **Complaints**
The message was successfully delivered to the recipient's mail server, but the recipient marked it as spam.
- ☒ **Delivery delays**
The message couldn't be delivered to the recipient's mail server because a temporary issue occurred.
- ☒ **Subscriptions**
The email was successfully delivered to the recipient. The recipient updated the subscription preferences by clicking List-Unsubscribe header or via the Unsubscribe webpage linked to the email footer.

Open and click tracking [Info](#)
Measure subscriber engagement by tracking open and click events for messages sent using this configuration set.

- ☒ **Opens**
- ☒ **Clicks**

Tracking options
To use a custom redirect domain, you must edit your tracking options at the configuration set level.

- Under Destination options choose Amazon SNS, fill destination Name. Next create new SNS topic or use existing.

Amazon SES > Configuration: Configuration sets > Tracking > Add event destination

Step 1
[Select event types](#)

Step 2
Specify destination

Step 3
[Review](#)

Specify destination

An event destination is an AWS service to which email sending events can be published. Choosing the appropriate destination depends on the level of detail you want to capture and how you want to receive the data.

Destination options

Destination type [Info](#)

☐ Amazon CloudWatch

☐ Amazon Kinesis Data Firehose

☐ Amazon Pinpoint

☒ Amazon SNS

Name

Name can include letters (A-Z), numbers (0-9), dashes (-), and hyphens (—). No spaces.

Event publishing

Amazon SES will publish the selected events to this event destination.

☒ Enabled

Amazon Simple Notification Service (SNS) topic

In Amazon SNS, a topic is a logical access point that acts as a communication channel.

[Create SNS topic](#)

SNS topic

Amazon SES will notify the selected topic when a message produces any of the chosen event types.

[Cancel](#) [Previous](#) [Next](#)

- Review and Add destination.
- Under Verified identities choose identity you wish to track. Go to Configuration step tab and click Edit.

Amazon SES > Configuration: Verified identities > [redacted]

[redacted].com Delete Send test email

Summary for [redacted]


Identity status ✔ Verified	Amazon Resource Name (ARN) [redacted]
-------------------------------	--

MAIL FROM domain | Notifications | Authorization | **Configuration set** | Tags

Default configuration set
By default, messages sent from this identity will use the assigned configuration set.

Default configuration set: [Tracking](#) | Sending IP pool: default

Edit Manage configuration sets



- Check Assign a default configuration set, select Default configuration set you recently created and save changes.

Amazon SES > Configuration: Verified identities > [redacted] > Edit

Edit [redacted].com

Default configuration set

☒ **Assign a default configuration set**
Enabling this option ensures that the assigned configuration set is applied to messages sent from this identity by default whenever a configuration set isn't specified at the time of sending.

Default configuration set
Tracking ▼

Cancel Save changes

- Go to 2. *AWS SNS Configuration step* paragraph below.

2.2 1.b. AWS SES Console v1

- Go to Amazon Simple Email Service (SES) console. There are 2 ways to configure events publishing. First is to create new Configuration Set. It allows you to track opens and clicks but requires you to pass specific email header X-SES-CONFIGURATION-SET. More about headers configuration: <https://docs.aws.amazon.com/ses/latest/DeveloperGuide/event-publishing-send-email.html> Second option doesn't require any changes in your existing app, but cannot track clicks and opens.
- First option: Select Configuration Sets menu. Click Create Configuration Set or edit your existing set. Add new SNS Destination, select events to track and create SNS topic.
- Second option: Under Identity Management select Domain or Email address and open Notifications tab. Click Edit Configuration and create or select SNS Topic for events you wish to track. Enable Include original headers.

2.3 2. AWS SNS Configuration step

- Next, navigate to Amazon Simple Notification Service (SNS).
- Click Topics section and select topic you created before.

Amazon SNS > Topics

Topics (1) Edit Delete Publish message Create topic

< 1 > ⚙

	Name ▲	Type ▼	ARN ▼
<input type="radio"/>	sns_track	Standard	[REDACTED]:sns_track

- Click Create subscription

Amazon SNS > Topics > sns_track

sns_track

Edit

Delete

Publish message

Details

Name

sns_track

Display name

-

ARN

arn:aws:sns:us-east-1:123456789012:sns_track

Topic owner

Type

Standard

Subscriptions

Access policy

Delivery retry policy (HTTP/S)

Delivery status logging

Encryption

Tags

Subscriptions (0)

Edit

Delete

Request confirmation

Confirm subscription

Create subscription

- Add new subscription with HTTP (or HTTPS protocol if configured) and paste WebHook url from /project/1/edit SesDashboard project page. Check Enable raw message delivery.

Amazon SNS > Subscriptions > Create subscription

Create subscription

Details

Topic ARN

arn:aws:sns:us-east-1:123456789012:sns_track

Protocol

The type of endpoint to subscribe

HTTP

Endpoint

A web server that can receive notifications from Amazon SNS.

http://mysite.com/webhook/eqU9MEkR8HjFz86lhiwuehf-NMdOXJDY8f-wefhJs7nkjwe-dsfhbeuhc-

☒ Enable raw message delivery

After your subscription is created, you must confirm it. [Info](#)

SesDashboard

Sign out

Dashboard

Activity

Reports TODO

SETTINGS

Projects

Send Test Mail

Account

Edit project (ID: 1)

Save

WebHook

Refresh

`http://mysite.com/webhook/eqU9MEkR8HjFz86lhiwuehf-NMd0XJDY8f-wefhjJs7nkjwe-dsfhbeuhc-BHGHhj3c-G3vjxhb-4JQVlA`

UPGRADES

To install new version follow these steps:

- Make backup
- Git pull or download new version
- If your app uses Docker run:

```
$ docker exec -it sesdashboard-php-fpm composer install
$ docker exec -it sesdashboard-php-fpm ./bin/console doctrine:migrations:migrate -n
$ docker exec -it sesdashboard-php-fpm ./bin/console cache:clear
$ docker exec -it sesdashboard-php-fpm ./bin/console cache:warmup
```

- For regular setup run:

```
$ composer install
$ ./bin/console doctrine:migrations:migrate -n
$ ./bin/console cache:clear
$ ./bin/console cache:warmup
```


COMMANDS

4.1 Clear old emails data

```
$ ./bin/console app:emails:cleanup --days=7
```

4.2 Create admin user

```
$ ./bin/console app:create-user --admin
```

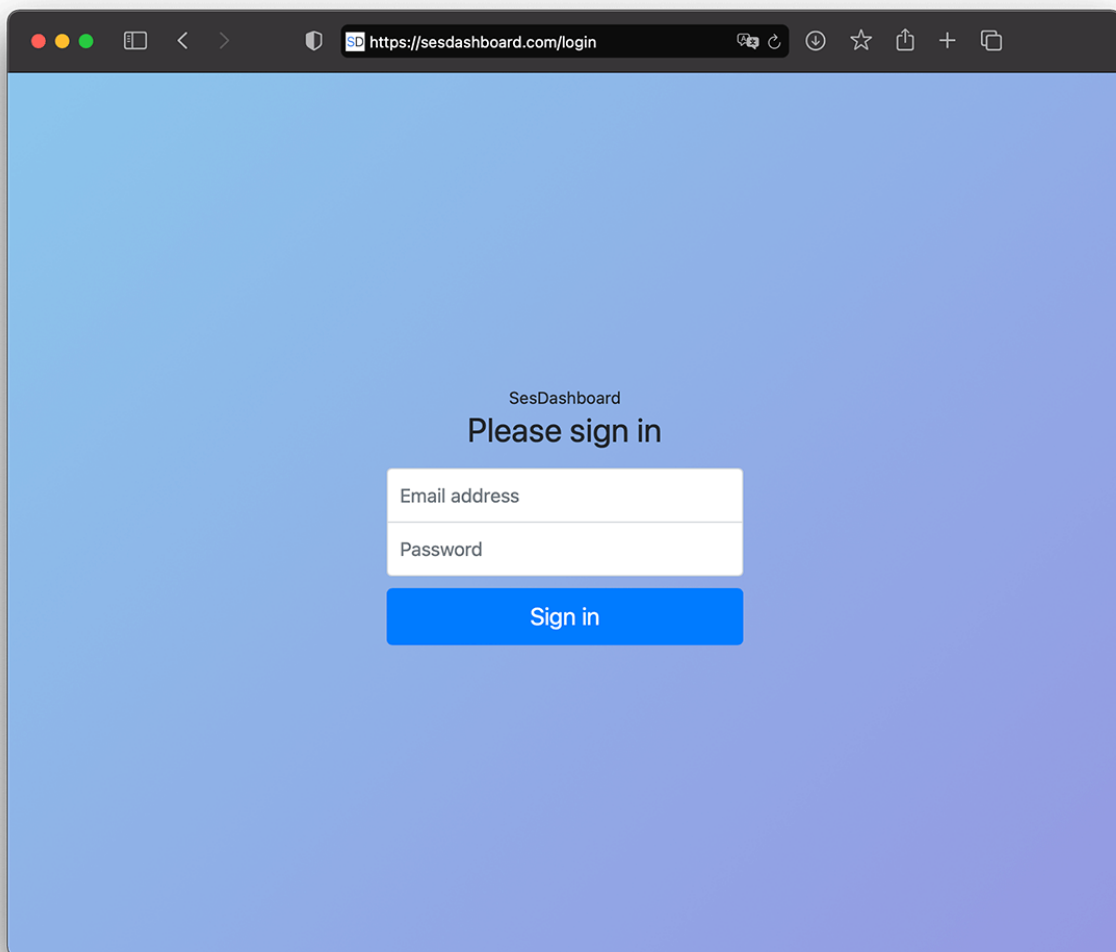

ABOUT

SesDashboard is an Analytics UI for Amazon Simple Email Service.

With activity tracking tool you could check which email was successfully delivered or there we any problems. Also you will be able to view detailed events log like mail opens and clicks info. Useful for transactional mails.

SesDashboard works as stand-alone app. No existing code needs to be changed.

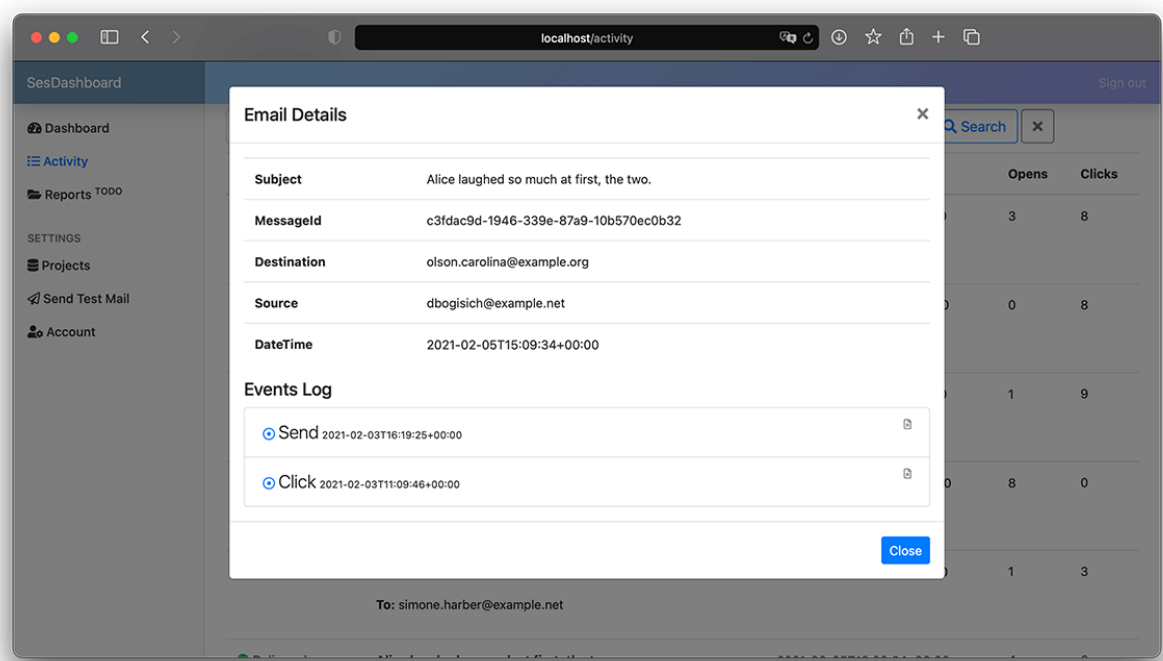
GitHub Project page: <https://github.com/Nikeev/sesdashboard>





The Activity page displays a list of email messages with the following columns: Status, Message, Sent at, Opens, and Clicks. The messages are filtered by 'Delivered' status.

Status	Message	Sent at	Opens	Clicks
Delivered	Caterpillar called after her. 'I've something. To: carole.larson@example.net	2021-02-05T21:13:52+03:00	3	8
Delivered	The Cat's head began fading away the moment she. To: farrell.myrna@example.org	2021-02-05T20:43:01+03:00	0	8
Delivered	FIT--" you never even spoke to Time!' 'Perhaps. To: angus61@example.com	2021-02-05T20:13:16+03:00	1	9
Delivered	Duchess asked, with another dig of her skirt. To: opaucek@example.net	2021-02-05T20:06:56+03:00	8	0
Delivered	Fish-Footman was gone, and the cool fountains. To: simone.harber@example.net	2021-02-05T18:37:32+03:00	1	3



INDICES AND TABLES

- `genindex`
- `modindex`
- `search`

INDEX

C

Commands, [11](#)

I

Installation, [1](#), [2](#)

U

Upgrades, [10](#)