# **Django Dmarc Documentation**

Release 0.7.0

**Alan Hicks** 

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### Managing DMARC aggregate and feedback reports

Designed to quickly and easily manage DMARC aggregate and feedback reports.

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#### 1.1 Documentation

#### Managing DMARC aggregate and feedback reports

Designed to quickly and easily manage DMARC aggregate and feedback reports.

#### 1.1.1 Description

This Django DMARC project aims to ease implementating DMARC "Domain-based Message Authentication, Reporting & Conformance" and ongoing monitoring by importing aggregate and feedback reports about messages that pass and/or fail DMARC evaluation into a more easily digested format.

Perhaps one of the main reasons DMARC is gaining traction amongst organisations of all sizes is a desire to protect their people, brand and reputation. By defining and implementing a DMARC policy, an organization can help combat phishing, protect users and their reputation.

At beta stage, the application is stable, with most efforts on improving usability and documentation.

Choosing Django was an easy choice as it offers an easily built import mechanism and transformation from xml to database through to presentation.

Although it has options for importing either xml or email files, zero maintenance is achieved by fully automating import of feedback and reports.

#### 1.1.2 Quick start

- 1. Install the app
- 2. Add "dmarc" to your INSTALLED\_APPS setting:

```
INSTALLED_APPS = (
    ...
    'dmarc',
)
```

3. Add dmarc.urls to your urls:

```
from dmarc import urls as dmarc_urls
urlpatterns = [
    ...
    url(r"^dmarc/", include(dmarc_urls)),
]
```

- 4. Run 'python manage.py migrate' to create the database models.
- 5. Import a report with:

```
python manage.py importdmarcreport --email
```

6. See your aggregated feedback reports from the Admin page at admin/dmarc

#### 1.1.3 **Usage**

python manage.py importdmarcreport -email

You can choose to import an xml or email file, alternatively with "-email -" you can pipe an email and it will do the right thing.

#### 1.1.4 Installation

Install the app

#### Configuration

Add "dmarc" to your INSTALLED\_APPS setting:

Add dmarc.urls to your urls:

```
from dmarc import urls as dmarc_urls

urlpatterns = [
    ...
    url(r"^dmarc/", include(dmarc_urls)),
]
```

DMARC reports are namespaced so if you're using django version 1.8 you will need to add the namespace 'dmarc':

```
urlpatterns = [
    ...
    url(r"^dmarc/", include(dmarc_urls, namespace='dmarc')),
]
```

#### Install tables

Run 'python manage.py migrate' to create the database tables.

#### Import feedback report

Import an email DMARC aggregate report with:

```
python manage.py importdmarcreport --email
```

Alternatively the xml report can be imported with:

```
python manage.py importdmarcreport --xml
```

The process of importing DMARC aggregate reports can be fully automated. At Persistent Objects we use Exim and the configuration couldn't be easier.

Router:

```
dmarcreports:
    driver = accept
    condition = ${if eq{$local_part}{dmarc_report}}
    transport = trans_dmarcreports
```

#### Transport:

```
trans_dmarcreports:
    driver = pipe
    command = "/usr/local/bin/python2.7 /path/to/manage.py importdmarcreport --email -
    "
    freeze_exec_fail = true
    return_fail_output = true
```

Congratulations, you have django-dmarc installed and ready to import DMARC aggregate feedback reports and start implementing DMARC and protecting your emails.

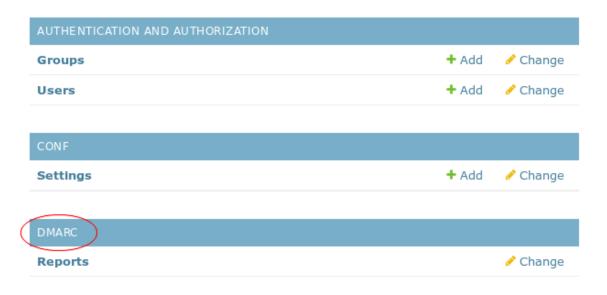
### 1.1.5 DMARC reporting

Aggregated feedback reports are available from the Admin page at admin/dmarc.

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## Django administration

#### Site administration



From the DMARC dashboard at 'Site administration/DMARC' where the intention is to highlight a summary of recent reports, there is one report 'DMARC feedback reports' and is available to any user with staff members authorization.



This is an example report, it can also be downloaded as a csv file suitable for importing into your favourite spreadsheet.

#### Django administration

Home > DMARC > DMARC feedback reports

DMARC aggregate feedback report

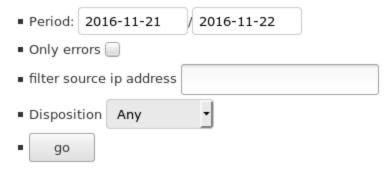
#### DMARC aggregate feedback filter: Date: 2016-11-21 - 2016-11-22;

Download csv.											
ORGANISATION	D	S	P	PCT	SOURCE	COUNT	DISPOSITION	DKIM	SPF	REASON TYPE	COMMENT
google.com	r	r	quarantine	100	76.10.85.218	1	quarantine	fail	fail		
google.com	r	r	quarantine	100	96.47.152.228	1	quarantine	fail	fail		
google.com	r	r	quarantine	100	173.230.60.230	1	quarantine	fail	fail		
google.com	r	r	quarantine	100	178.174.255.26	1	quarantine	fail	fail		
google.com	r	r	quarantine	100	66.253.176.158	1	quarantine	fail	fail		
xs4all.nl	r	r	quarantine	100	189.122.134.74/32	1	none	fail	fail	other	
qq.com	r	r	quarantine	100	113.107.161.69/32	1	quarantine	fail	fail		
Microsoft Corp.	r	r	quarantine	100	83.209.32.185	1	quarantine	fail	fail		
Microsoft Corp.	r	r	quarantine	100	80.229.143.200	1	none	pass	pass		
Microsoft Corp.	r	r	quarantine	100	69.36.213.197	1	quarantine	fail	fail		
Microsoft Corp.	r	r	quarantine	100	68.180.75.58	9	quarantine	fail	fail		
Microsoft Corp.	r	r	quarantine	100	24.181.178.57	16	quarantine	fail	fail		
Microsoft Corp.	r	r	quarantine	100	211.10.132.52	1	quarantine	fail	fail		
Microsoft Corp.	r	r	quarantine	100	173.239.8.28	1	quarantine	fail	fail		
Mail.Ru	r	r	quarantine	100	77.53.56.22	1	quarantine	fail	fail		
xs4all.nl	r	r	quarantine	100	36.229.194.181	1	none	fail	fail	other	
qq.com	r	r	quarantine	100	68.190.167.162	1	quarantine	fail	fail		
Yahoo! Inc.	r	r	quarantine	100	67.210.106.56	1	quarantine	fail	fail		
Yahoo! Inc.	r	r	quarantine	100	65.20.0.12	1	none	pass	fail		
Yahoo! Inc.	r	r	quarantine	100	37.59.93.104	1	quarantine	fail	fail		
Yahoo! Inc.	r	r	quarantine	100	206.51.144.102	1	quarantine	fail	fail		

The report can be filtered by clicking on the filter and changing any of the reporting period, only showing errors/failures, disposition (quarantine, rejection or any) and by source ip address/reporting organisation.

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#### DMARC aggregate feedback report filter



These reports can help ease any DMARC implementation.

#### 1.1.6 Maintenance

Although there is usually no need to remove old records, access to the report table is offered to allow for record deletion.

#### 1.1.7 Dependencies

• Django 2.2+

#### 1.1.8 Resources

- DMARC
- Django
- Google gmail DMARC
- Download from PyPI

#### 1.1.9 Support

To report a security issue, please send an email privately to ahicks@p-o.co.uk. This gives us a chance to fix the issue and create an official release prior to the issue being made public.

For general questions or comments, please contact ahicks@p-o.co.uk.

Project website

Communications are expected to conform to the Django Code of Conduct.

### 1.2 Change Log

#### Managing DMARC aggregate and feedback reports

Designed to quickly and easily manage DMARC aggregate and feedback reports.

#### 1.2.1 Change Log

#### Version 0.7.0 (2021-07-16)

Report default set to two days TypeError: string argument expected, got 'bytes' fixed Copyright updated to 2021

#### Version 0.6.0 (2020-06-10)

Updated for Django 2.2 Dropped support for Python 2.7 Updated test script Updated Copyright to 2020

#### Version 0.5.2 (2018-06-19)

Updated for Django 2.0 Updated Copyright to 2018 Updated links for tls Changed report icon font from glyphicons to fontawesome

#### Version 0.5.1 (2017-02-10)

Updated documentation

#### Version 0.5.0 (2017-01-19)

Added capturing of feedback reports Updated Copyright to 2017

#### Version 0.4.7 (2016-11-30)

Added Glossary and FAQ's

#### Version 0.4.6 (2016-11-24)

Order report Fix date filtering

#### Version 0.4.5 (2016-11-23)

Add colour\_code and dkim/spf domain columns thanks to Edward Newman

#### Version 0.4.4 (2016-11-22)

Fix SQL typo (remove public.) and add back domain (Edward Newman)

#### Version 0.4.3 (2016-11-22)

Update documentation

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#### Version 0.4.2 (2016-11-22)

Add sql filtering checks Add filtering by Disposition suggestion from Edward Newman

Show and filter by organisation name Version 0.4.1 (2016-11-22)

Show and filter by organisation name

#### Version 0.4.0 (2016-11-21)

Create prototype admin dashboard Create admin Report model editing Update report to use ajax load Create Download report option Database agnostic filter Use base admin templates

#### Version 0.3.3 (2016-11-05)

Add csv export

#### Version 0.3.2 (2016-09-13)

Improve mimepart debug message

#### Version 0.3.1 (2016-09-08)

Add application/gzip

#### Version 0.3.0 (2016-09-07)

- Bump version to 0.3.0
- · Add gzip handling
- Refactor to use argparse
- · Refactor code

Note change to arguments requiring email or xml and either can be - for stdin

#### Version 0.2.2 (2016-08-31)

- Bump version to 0.2.2
- · Remove dependency on django.conf.urls.patterns

#### Version 0.2.1 (2016-08-31)

- Bump minimum Django version to 1.8
- · Improve processing descriptions

#### Version 0.2.0 (2016-08-03)

Add error checking and saving for bad zipfile

#### Version 0.1.10 (2015-04-22)

- Added reference to Bootstrap styles (Thanks Jan (linjan))
- · Add sample report

#### Version 0.1.9 (2015-03-28)

Fix AttributeError: 'Element' object has no attribute 'getroot'

#### Version 0.1.8 (2015-03-27)

- Fix reference before assignment
- Add save original XML report

#### Version 0.1.7 (2015-03-17)

- Save XML with test
- Add Logging
- Supress email errors

#### Version 0.1.6 (2015-03-13)

Fix missing self (Lukas Pühringer)

#### Version 0.1.5 (2015-03-11)

• Optimise prefetch

#### Version 0.1.4 (2015-03-10)

• Fix report closing tags

#### Version 0.1.3 (2015-03-07)

• Allow duplicate Records

#### Version 0.1.2 (2015-03-03)

• Added a dmarc report

#### Version 0.1.1 (2015-03-01)

· Improved documentation

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#### Version 0.1.0 (2015-02-28)

· Project created

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## Contributors

This list is not complete and not in any useful order, but I would like to thank everybody who contributed in any way, with code, hints, bug reports, ideas, moral support, endorsement, or even complaints... You have made django-dmarc what it is today.

Thank you, Alan Hicks

- Alan Hicks
- Edward Newman

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