# **Djrill Documentation**

Release 1.4.0

**Djrill contributors (see AUTHORS.txt)** 

# Contents

1	Docu	umentation	:
	1.1	Djrill 1-2-3	1
	1.2	Installation	2
	1.3	Sending Mail	4
	1.4	Sending Template Mail	9
	1.5	Mixing Email Backends	1 :
	1.6	Mandrill Webhooks and Inbound Email	12
	1.7	Troubleshooting	13
		Contributing	
	1.9	Release Notes	15
2.	Thar	nks	1 (

# Version 1.4.0

Djrill integrates the Mandrill transactional email service into Django.

In general, Djrill "just works" with Django's built-in django.core.mail package. It includes:

- Support for HTML, attachments, extra headers, and other features of Django's built-in email
- Mandrill-specific extensions like tags, metadata, tracking, and MailChimp templates
- · Optional support for Mandrill inbound email and other webhook notifications, via Django signals
- An optional Django admin interface

Djrill is released under the BSD license. It is tested against Django 1.3–1.8 (including Python 3 with Django 1.6+, and PyPy support with Django 1.5+). Djrill uses semantic versioning.

Contents 1

2 Contents

# **Documentation**

# 1.1 Djrill 1-2-3

1. Install Djrill from PyPI:

```
$ pip install djrill
```

2. Edit your project's settings.py:

3. Now the regular Django email functions will send through Mandrill:

```
from django.core.mail import send_mail

send_mail("It works!", "This will get sent through Mandrill",
    "Djrill Sender <djrill@example.com>", ["to@example.com"])
```

You could send an HTML message, complete with custom Mandrill tags and metadata:

```
from django.core.mail import EmailMultiAlternatives

msg = EmailMultiAlternatives(
    subject="Djrill Message",
    body="This is the text email body",
    from_email="Djrill Sender <djrill@example.com>",
    to=["Recipient One <someone@example.com>", "another.person@example.com"],
    headers={'Reply-To': "Service <support@example.com>"} # optional extra headers
)

msg.attach_alternative("This is the HTML email body", "text/html")

# Optional Mandrill-specific extensions:
msg.tags = ["one tag", "two tag", "red tag", "blue tag"]
msg.metadata = {'user_id': "8675309"}

# Send it:
msg.send()
```

# 1.2 Installation

It's easiest to install Djrill from PyPI:

```
$ pip install djrill
```

If you decide to install Djrill some other way, you'll also need to install its one dependency (other than Django, of course): the requests library from Kenneth Reitz.

# 1.2.1 Configuration

In your project's settings.py:

1. Add djrill to your INSTALLED\_APPS:

```
INSTALLED_APPS = (
    ...
    "djrill"
)
```

2. Add the following line, substituting your own MANDRILL\_API\_KEY:

```
MANDRILL_API_KEY = "brack3t-is-awesome"
```

3. Override your existing EMAIL\_BACKEND with the following line:

```
EMAIL_BACKEND = "djrill.mail.backends.djrill.DjrillBackend"
```

Also, if you don't already have a DEFAULT\_FROM\_EMAIL in settings, this is a good time to add one. (Django's default is "webmaster@localhost", which won't work with Mandrill.)

# 1.2.2 Mandrill Webhooks (Optional)

Djrill includes optional support for Mandrill webhooks, including inbound email. See the Djrill *webhooks* section for configuration details.

# 1.2.3 Mandrill Subaccounts (Optional)

If you are using Mandrill's subaccounts feature, you can globally set the subaccount for all messages sent through Djrill:

```
MANDRILL_SUBACCOUNT = "client-347"
```

(You can also set or override the subaccount on each individual message, with Mandrill-specific sending options.)

New in version 1.0: MANDRILL\_SUBACCOUNT global setting

# 1.2.4 Admin (Optional)

Dirill includes an optional Django admin interface, which allows you to:

- · Check the status of your Mandrill API connection
- See stats on email senders, tags and urls

If you want to enable the Djrill admin interface, edit your base urls.py:

```
from django.contrib import admin

from djrill import DjrillAdminSite

admin.site = DjrillAdminSite()
admin.autodiscover()
...

urlpatterns = [
...
url(r'^admin/', include(admin.site.urls)),
]
```

If you are on **Django 1.7 or later**, you will also need to change the config used by the django.contrib.admin app in your settings.py:

```
INSTALLED_APPS = (
    # For Django 1.7+, use SimpleAdminConfig because we'll call autodiscover...
    'django.contrib.admin.apps.SimpleAdminConfig', # instead of 'django.contrib.admin'
    ...
    'djrill',
    ...
)
```

# 1.3 Sending Mail

Djrill handles all outgoing email sent through Django's standard django.core.mail package, including send mail(), send mass mail(), the EmailMessage class, and even mail admins().

If you'd like to selectively send only some messages through Mandrill, there is a way to use multiple email backends.

# 1.3.1 Django Email Support

Djrill supports most of the functionality of Django's EmailMessage and EmailMultiAlternatives classes. Some notes and limitations:

**Display Names** All email addresses (from, to, cc, bcc) can be simple ("email@example.com") or can include a display name ("Real Name <email@example.com>").

**CC** and **BCC** Recipients Dirill properly identifies "cc" and "bcc" recipients to Mandrill.

Note that you may need to set the Mandrill option preserve\_recipients to True if you want recipients to be able to see who else was included in the "to" list.

Changed in version 0.9: Previously, Djrill (and Mandrill) didn't distinguish "cc" from "to", and allowed only a single "bcc" recipient.

**HTML/Alternative Parts** To include an HTML version of a message, use attach alternative():

1.3. Sending Mail 5

Djrill allows a maximum of one attach\_alternative() on a message, and it must be mimetype="text/html". Otherwise, Djrill will raise NotSupportedByMandrillError when you attempt to send the message. (Mandrill doesn't support sending multiple html alternative parts, or any non-html alternatives.)

**Attachments** Djrill will send a message's attachments. (Note that Mandrill may impose limits on size and type of attachments.)

Also, if an image attachment has a Content-ID header, Djrill will tell Mandrill to treat that as an embedded image rather than an ordinary attachment. (For an example, see test\_embedded\_images() in tests/test\_mandrill\_send.py.)

New in version 0.3: Attachments

Changed in version 0.4: Special handling for embedded images

**Headers** Dirill accepts additional headers and passes them along to Mandrill:

```
msg = EmailMessage( ...
    headers={'Reply-To': "reply@example.com", 'List-Unsubscribe': "..."}
)
```

Changed in version 0.9: In earlier versions, Djrill only allowed Reply-To and X-\* headers, matching previous Mandrill API restrictions.

Changed in version 1.4: Djrill also supports the reply\_to param added to EmailMessage in Django 1.8. (If you provide *both* a 'Reply-To' header and the reply\_to param, the header will take precedence.)

# 1.3.2 Mandrill-Specific Options

Most of the options from the Mandrill messages/send API message struct can be set directly on an EmailMessage (or subclass) object:

#### important

Boolean: whether Mandrill should send this message ahead of non-important ones.

New in version 0.7.

#### track opens

Boolean: whether Mandrill should enable open-tracking for this message. Default from your Mandrill account settings.

```
message.track_opens = True
```

#### track clicks

Boolean: whether Mandrill should enable click-tracking for this message. Default from your Mandrill account settings.

**Note:** Mandrill has an option to track clicks in HTML email but not plaintext, but it's *only* available in your Mandrill account settings. If you want to use that option, set it at Mandrill, and *don't* set the track\_clicks attribute here.

# auto\_text

Boolean: whether Mandrill should automatically generate a text body from the HTML. Default from your Mandrill account settings.

#### auto html

Boolean: whether Mandrill should automatically generate an HTML body from the plaintext. Default from your Mandrill account settings.

#### inline css

Boolean: whether Mandrill should inline CSS styles in the HTML. Default from your Mandrill account settings.

New in version 0.4.

# url\_strip\_qs

Boolean: whether Mandrill should ignore any query parameters when aggregating URL tracking data. Default from your Mandrill account settings.

# preserve\_recipients

Boolean: whether Mandrill should include all recipients in the "to" message header. Default from your Mandrill account settings.

## view\_content\_link

Boolean: set False on sensitive messages to instruct Mandrill not to log the content.

New in version 0.7.

## tracking\_domain

str: domain Mandrill should use to rewrite tracked links and host tracking pixels for this message. Useful if you send email from multiple domains. Default from your Mandrill account settings.

#### signing domain

str: domain Mandrill should use for DKIM signing and SPF on this message. Useful if you send email from multiple domains. Default from your Mandrill account settings.

#### return\_path\_domain

str: domain Mandrill should use for the message's return-path.

New in version 0.7.

# merge\_language

str: the merge tag language if using merge tags – e.g., "mailchimp" or "handlebars". Default from your Mandrill account settings.

New in version 1.3.

#### global\_merge\_vars

dict: merge variables to use for all recipients (most useful with *Mandrill Templates*).

```
message.global_merge_vars = {'company': "ACME", 'offer': "10% off"}
```

Merge data must be strings or other JSON-serializable types. (See *Formatting Merge Data* for details.)

# merge\_vars

dict: per-recipient merge variables (most useful with *Mandrill Templates*). The keys in the dict are the recipient email addresses, and the values are dicts of merge vars for each recipient:

```
message.merge_vars = {
    'wiley@example.com': {'offer': "15% off anvils"},
    'rr@example.com': {'offer': "instant tunnel paint"}
}
```

Merge data must be strings or other JSON-serializable types. (See Formatting Merge Data for details.)

#### tags

list of str: tags to apply to the message, for filtering reports in the Mandrill dashboard. (Note that Mandrill prohibits tags longer than 50 characters or starting with underscores.)

```
message.tags = ["Order Confirmation", "Test Variant A"]
```

1.3. Sending Mail 7

#### subaccount

str: the ID of one of your subaccounts to use for sending this message. (The subaccount on an individual message will override any global MANDRILL SUBACCOUNT setting.)

New in version 0.7.

#### google\_analytics\_domains

list of str: domain names for links where Mandrill should add Google Analytics tracking parameters.

```
message.google_analytics_domains = ["example.com"]
```

#### google\_analytics\_campaign

str or list of str: the utm\_campaign tracking parameter to attach to links when adding Google Analytics tracking. (Mandrill defaults to the message's from\_email as the campaign name.)

# metadata

dict: metadata values Mandrill should store with the message for later search and retrieval.

```
message.metadata = {'customer': customer.id, 'order': order.reference_number}
```

Mandrill restricts metadata keys to alphanumeric characters and underscore, and metadata values to numbers, strings, boolean values, and None (null).

#### recipient\_metadata

dict: per-recipient metadata values. Keys are the recipient email addresses, and values are dicts of metadata for each recipient (similar to merge\_vars)

Mandrill restricts metadata keys to alphanumeric characters and underscore, and metadata values to numbers, strings, boolean values, and None (null).

#### async

Boolean: whether Mandrill should use an async mode optimized for bulk sending.

New in version 0.7.

# ip\_pool

str: name of one of your Mandrill dedicated IP pools to use for sending this message.

New in version 0.7.

#### send at

datetime or date or str: instructs Mandrill to delay sending this message until the specified time. (Djrill allows timezone-aware Python datetimes, and converts them to UTC for Mandrill. Timezone-naive datetimes are assumed to be UTC.)

New in version 0.7.

These Mandrill-specific properties work with *any* EmailMessage-derived object, so you can use them with many other apps that add Django mail functionality.

If you have questions about the python syntax for any of these properties, see DjrillMandrillFeatureTests in tests/test\_mandrill\_send.py for examples.

# 1.3.3 Mandrill Response

A mandrill\_response property is added to each EmailMessage that you send. This allows you to retrieve message ids, initial status information and more.

For an EmailMessage that is successfully sent to one or more email addresses, mandrill\_response will be set to a list of dict, where each entry has info for one email address. See the Mandrill docs for the messages/send API for full details.

For example, to get the Mandrill message id for a sent email you might do this:

For this example, msg.mandrill\_response might look like this:

If an error is returned by Mandrill while sending the message then mandrill\_response will be set to None.

New in version 0.8: mandrill\_response available for sent messages

# 1.3.4 Exceptions

New in version 0.3: Djrill-specific exceptions

# exception djrill.NotSupportedByMandrillError

If the email tries to use features that aren't supported by Mandrill, the send call will raise a NotSupportedByMandrillError exception (a subclass of ValueError).

# exception djrill.MandrillAPIError

If the Mandrill API fails or returns an error response, the send call will raise a MandrillAPIError exception (a subclass of requests.HTTPError). The exception's status\_code and response attributes may help explain what went wrong. (Tip: you can also check Mandrill's API error log to view the full API request and error response.)

# 1.4 Sending Template Mail

# 1.4.1 Mandrill Templates

New in version 0.3: Mandrill template support

To use a *Mandrill* (MailChimp) template stored in your Mandrill account, set a template\_name and (optionally) template\_content on your EmailMessage object:

If template\_name is set, Djrill will use Mandrill's messages/send-template API, and will ignore any body text set on the EmailMessage.

All of Djrill's other *Mandrill-specific options* can be used with templates.

# **Formatting Merge Data**

If you're using dates, datetimes, Decimals, or anything other than strings and integers, you'll need to format them into strings for use as merge data:

```
product = Product.objects.get(123)  # A Django model
total_cost = Decimal('19.99')
ship_date = date(2015, 11, 18)

# Won't work -- you'll get "not JSON serializable" exceptions:
msg.global_merge_vars = {
    'PRODUCT': product,
    'TOTAL_COST': total_cost,
    'SHIP_DATE': ship_date
}

# Do something this instead:
msg.global_merge_vars = {
    'PRODUCT': product.name, # assuming name is a CharField
    'TOTAL_COST': "%.2f" % total_cost,
    'SHIP_DATE': ship_date.strftime('%B %d, %Y') # US-style "March 15, 2015"
}
```

These are just examples. You'll need to determine the best way to format your merge data as strings.

Although floats are allowed in merge vars, you'll generally want to format them into strings yourself to avoid surprises with floating-point precision.

Technically, Djrill will accept anything serializable by the Python json package – which means advanced template users can include dicts and lists as merge vars (for templates designed to handle objects and arrays). See the Python <code>json.JSONEncoder</code> docs for a list of allowable types.

# How To Use Default Mandrill Subject and From fields

To use default Mandrill "subject" or "from" field from your template definition (overriding your EmailMessage and Django defaults), set the following attrs: use\_template\_subject and/or use\_template\_from on your EmailMessage object:

```
msg.use_template_subject = True
msg.use_template_from = True
msg.send()
```

# use\_template\_subject

If True, Djrill will omit the subject, and Mandrill will use the default subject from the template.

New in version 1.1.

#### use template from

If True, Djrill will omit the "from" field, and Mandrill will use the default "from" from the template.

New in version 1.1.

# 1.4.2 Django Templates

To compose email using *Django* templates, you can use *Django*'s render\_to\_string() template shortcut to build the body and html.

Example that builds an email from the templates message\_subject.txt, message\_body.txt and message\_body.html:

# 1.5 Mixing Email Backends

Since you are replacing Django's global EMAIL\_BACKEND, by default Djrill will handle all outgoing mail, sending everything through Mandrill.

You can use Django mail's optional connection argument to send some mail through Mandrill and others through a different system.

This could be useful, for example, to deliver customer emails with Mandrill, but send admin emails directly through an SMTP server:

You can supply a different connection to Django's <code>send\_mail()</code> and <code>send\_mass\_mail()</code> helpers, and in the constructor for an <code>EmailMessage</code> or <code>EmailMultiAlternatives</code>.

(See the django.utils.log.AdminEmailHandler docs for more information on Django's admin error logging.)

# 1.6 Mandrill Webhooks and Inbound Email

Mandrill webhooks are used for notification about outbound messages (bounces, clicks, etc.), and also for delivering inbound email processed through Mandrill.

Djrill includes optional support for Mandrill's webhook notifications. If enabled, it will send a Django signal for each event in a webhook. Your code can connect to this signal for further processing.

New in version 0.5: Webhook support

# Warning: Webhook Security

Webhooks are ordinary urls—they're wide open to the internet. You must take steps to secure webhooks, or anyone could submit random (or malicious) data to your app simply by invoking your webhook URL. For security:

- Your webhook should only be accessible over SSL (https). (This is beyond the scope of Djrill.)
- Your webhook must include a random, secret key, known only to your app and Mandrill. Djrill will verify calls to your webhook, and will reject calls without the correct key.
- You can, optionally include the two settings <code>DJRILL\_WEBHOOK\_SIGNATURE\_KEY</code> and <code>DJRILL\_WEBHOOK\_URL</code> to enforce webhook signature checking

# 1.6.1 Configuration

To enable Djrill webhook processing you need to create and set a webhook secret in your project settings, include the Djrill url routing, and then add the webhook in the Mandrill control panel.

1. In your project's settings.py, add a DJRILL\_WEBHOOK\_SECRET:

```
DJRILL_WEBHOOK_SECRET = "<create your own random secret>"
```

substituting a secret you've generated just for Mandrill webhooks. (Do *not* use your Mandrill API key or Django SECRET\_KEY for this!)

An easy way to generate a random secret is to run the command below in a shell:

```
$ python -c "from django.utils import crypto; print crypto.get_random_string(16)"
```

2. In your base urls.py, add routing for the Djrill urls:

- 3. Now you need to tell Mandrill about your webhook:
  - For receiving events on sent messages (e.g., bounces or clickthroughs), you'll do this in Mandrill's web-hooks control panel.
  - For setting up inbound email through Mandrill, you'll add your webhook to Mandrill's inbound settings under "Routes" for your domain.
  - And if you want both, you'll need to add the webhook in both places.

In all cases, the "Post to URL" is https://yoursite.example.com/djrill/webhook/?secret=your-secret substituting your app's own domain, and changing your-secret to the secret you created in step 1.

(For sent-message webhooks, don't forget to tick the "Trigger on Events" checkboxes for the events you want to receive.)

Once you've completed these steps and your Django app is live on your site, you can use the Mandrill "Test" commands to verify your webhook configuration. Then see the next section for setting up Django signal handlers to process the webhooks.

Incidentally, you have some control over the webhook url. If you'd like to change the "djrill" prefix, that comes from the url config in step 2. And if you'd like to change the *name* of the "secret" query string parameter, you can set DJRILL\_WEBHOOK\_SECRET\_NAME in your settings.py.

For extra security, Mandrill provides a signature in the request header X-Mandrill-Signature. If you want to verify this signature, you need to provide the settings <code>DJRILL\_WEBHOOK\_SIGNATURE\_KEY</code> with the webhook-specific signature key that can be found in the Mandrill admin panel and <code>DJRILL\_WEBHOOK\_URL</code> where you should enter the exact URL, including that you entered in Mandrill when creating the webhook.

# 1.6.2 Webhook Notifications

Once you've enabled webhooks, Djrill will send a djrill.signals.webhook\_event custom Django signal for each Mandrill event it receives. You can connect to this signal for further processing. Examples:

```
from djrill.signals import webhook_event
from django.dispatch import receiver
@receiver(webhook_event)
def handle_bounce(sender, event_type, data, **kwargs):
    if event_type == 'hard_bounce' or event_type == 'soft_bounce':
        print "Message to %s bounced: %s" % (
            data['msg']['email'],
            data['msg']['bounce_description']
        )
@receiver (webhook_event)
def handle_inbound(sender, event_type, data, **kwargs):
    if event_type == 'inbound':
        print "Inbound message from %s: %s" % (
            data['msg']['from_email'],
            data['msg']['subject']
        )
```

Note that your webhook\_event signal handlers will be called for all Mandrill webhook callbacks, so you should always check the event\_type param as shown in the examples above to ensure you're processing the expected events.

Mandrill batches up multiple events into a single webhook call. Djrill will invoke your signal handler once for each event in the batch.

The available fields in the data param are described in Mandrill's documentation: sent-message webhooks and inbound webhooks.

# 1.7 Troubleshooting

Djrill throwing errors? Not sending what you want? Here are some tips...

# 1.7.1 Figuring Out What's Wrong

• Check the error message: Look for a Mandrill error message in your web browser or console (running Django in dev mode) or in your server error logs. As of v1.4, Djrill reports the detailed Mandrill error when something

goes wrong. And when the error is something like "invalid API key" or "invalid email address", that's probably 90% of what you'll need to know to solve the problem.

- Check the Mandrill API logs: The Mandrill dashboard includes an *incredibly-helpful* list of your recent API calls and you can click into each one to see the full request and response. Check to see if the data you thought you were sending actually made it into the request, and if Mandrill has any complaints in the response.
- · Double-check common issues:
  - Did you set your MANDRILL\_API\_KEY in settings.py?
  - Did you add 'djrill' to the list of INSTALLED\_APPS in settings.py?
  - Are you using a valid from address? Django's default is "webmaster@localhost", which won't cut
    it. Either specify the from\_email explicitly on every message you send through Djrill, or add
    DEFAULT\_FROM\_EMAIL to your settings.py.
- Try it without Djrill: Try switching your EMAIL\_BACKEND setting to Django's File backend and then running your email-sending code again. If that causes errors, you'll know the issue is somewhere other than Djrill. And you can look through the EMAIL\_FILE\_PATH file contents afterward to see if you're generating the email you want.

# 1.7.2 Getting Help

If you've gone through the suggestions above and still aren't sure what's wrong, the Djrill community is happy to help. Djrill is supported and maintained by the people who use it – like you! (We're not Mandrill employees.)

You can ask in either of these places (but please pick only one per question!):

**Ask on StackOverflow** Tag your question with **both** Django and Mandrill to get our attention. Bonus: a lot of questions about Djrill are actually questions about Django itself, so by asking on StackOverflow you'll also get the benefit of the thousands of Django experts there.

**Open a GitHub issue** We do our best to answer questions in GitHub issues. And if you've found a Djrill bug, that's definitely the place to report it. (Or even fix it – see *Contributing*.)

Wherever you ask, it's always helpful to include the relevant portions of your code, the text of any error messages, and any exception stack traces in your question.

# 1.8 Contributing

Djrill is maintained by its users. Your contributions are encouraged!

The Djrill source code is on github. See AUTHORS.txt for a list of some of the people who have helped improve Djrill.

# 1.8.1 Bugs

You can report problems or request features in Djrill's github issue tracker.

We also have some *Troubleshooting* information that may be helpful.

# 1.8.2 Pull Requests

Pull requests are always welcome to fix bugs and improve support for Mandrill and Django features.

- Please include test cases.
- We try to follow the Django coding style (basically, PEP 8 with longer lines OK).
- By submitting a pull request, you're agreeing to release your changes under under the same BSD license as the rest of this project.

# 1.8.3 Testing

Dirill is tested on Travis against several combinations of Django and Python versions. (Full list in .travis.yml.)

Most of the included tests verify that Djrill constructs the expected Mandrill API calls, without actually calling Mandrill or sending any email. So these tests don't require a Mandrill API key, but they *do* require mock and six (pip install mock six).

To run the tests, either:

```
python -Wall setup.py test
```

or:

```
python -Wall runtests.py
```

If you set the environment variable MANDRILL\_TEST\_API\_KEY to a valid Mandrill test API key, there are also a handful of integration tests which will run against the live Mandrill API. (Otherwise these live API tests are skipped.)

# 1.9 Release Notes

Dirill practices semantic versioning. Among other things, this means that minor updates (1.x to 1.y) should always be backwards-compatible, and breaking changes will always increment the major version number (1.x to 2.0).

# 1.9.1 Upcoming Changes in Djrill 2.0

Djrill 2.0 is under development and will include some breaking changes. Although the changes won't impact most Djrill users, the current version of Djrill (1.4) will try to warn you if you use things that will change. (Warnings appear in the console when running Django in debug mode.)

## **Djrill Admin site**

Djrill 2.0 will remove the custom Djrill admin site. It duplicates information from Mandrill's dashboard, most Djrill users are unaware it exists, and it has caused problems tracking Django admin changes.

Drill 1.4 will report a DeprecationWarning when you try to load the DjrillAdminSite. You should remove it from your code.

Also, if you changed Django's INSTALLED\_APPS setting to use 'django.contrib.admin.apps.SimpleAdminConfig', you may be able to switch that back to 'django.contrib.admin' and let Django handle the admin.autodiscover() for you.

# Dates in merge data and other attributes

Djrill automatically converts <code>send\_at</code> date and datetime values to the ISO 8601 string format expected by the Mandrill API.

Unintentionally, it also converts dates used in other Mandrill message attributes (such as merge\_vars or metadata) where it might not be expected (or appropriate).

1.9. Release Notes

Dirill 2.0 will remove this automatic date formatting, except for attributes that are inherently dates (currently only send\_at).

To assist in detecting code relying on the (undocumented) current behavior, Djrill 1.4 will report a DeprecationWarning for date or datetime values used in any Mandrill message attributes other than <code>send\_at</code>. See *Formatting Merge Data* for other options.

#### **DjrillMessage class**

The DjrillMessage class has not been needed since Djrill 0.2. You can simply set Djrill message attributes on any Django EmailMessage object. Djrill 1.4 will report a DeprecationWarning if you are still using DjrillMessage.

# **DjrillBackendHTTPError**

The DjrillBackendHTTPError exception was replaced in Djrill 0.3 with djrill.MandrillAPIError. Djrill 1.4 will report a DeprecationWarning if you are still importing DjrillBackendHTTPError.

# 1.9.2 Change Log

#### Version 1.4:

- · Django 1.8 support
- Support new Django 1.8 EmailMessage reply\_to param. (Specifying a *Reply-To header* still works, with any version of Django, and will override the reply\_to param if you use both.)
- Include Mandrill error response in str(MandrillAPIError), to make errors easier to understand.
- More-helpful exception when using a non-JSON-serializable type in merge\_vars and other Djrill message attributes
- Deprecation warnings for upcoming 2.0 changes (see above)

## Version 1.3:

- Use Mandrill secure https API endpoint (rather than http).
- Support merge\_language option (for choosing between Handlebars and Mailchimp templates).

## Version 1.2:

- Support Django 1.7; add testing on Python 3.3, 3.4, and PyPy
- · Bug fixes

# Version 1.1:

- Allow use of Mandrill template default "from" and "subject" fields, via use\_template\_from and use\_template\_subject.
- Fix UnicodeEncodeError with unicode attachments

#### Version 1.0:

• Global MANDRILL\_SUBACCOUNT setting

# Version 0.9:

- Better handling for "cc" and "bcc" recipients.
- Allow all extra message headers in send. (Mandrill has relaxed previous API restrictions on headers.)

#### Version 0.8:

• Expose Mandrill Response on sent messages

## Version 0.7:

• Support for Mandrill send options async, important, ip\_pool, return\_path\_domain, send\_at, subaccount, and view\_content\_link

#### Version 0.6:

· Support for signed webhooks

#### Version 0.5:

- · Support for incoming mail and other Mandrill webhooks
- Support for Mandrill send options auto\_html, tracking\_domain and signing\_domain.

#### Version 0.4:

- Attachments with a Content-ID are now treated as embedded images
- New Mandrill inline\_css option is supported
- Remove limitations on attachment types, to track Mandrill change
- Documentation is now available on djrill.readthedocs.org

#### Version 0.3:

- Attachments are now supported
- Mandrill templates are now supported
- A bcc address is now passed to Mandrill as bcc, rather than being lumped in with the "to" recipients. Multiple bcc recipients will now raise an exception, as Mandrill only allows one.
- Python 3 support (with Django 1.5)
- Exceptions should be more useful: <a href="mailto:djrill.NotSupportedByMandrillError">djrill.MandrillAPIError</a> replaces DjrillBackendHTTPError, and is now derived from requests.HTTPError. (New exceptions are backwards compatible with old ones for existing code.)

#### Version 0.2:

- MANDRILL\_API\_URL is no longer required in settings.py
- Earlier versions of Djrill required use of a DjrillMessage class to specify Mandrill-specific options. This is no longer needed Mandrill options can now be set directly on a Django EmailMessage object or any subclass. (Existing code can continue to use DjrillMessage.)

1.9. Release Notes

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# **Thanks**

Thanks to the MailChimp team for asking us to build this nifty little app, and to all of Djrill's contributors. Also thanks to James Socol on Github for his django-adminplus library that got us off on the right foot for the custom admin views. Oh, and, of course, Kenneth Reitz for the awesome requests library.

20 Chapter 2. Thanks

A async, 8 auto_html, 6	signing_domain, 7 subaccount, 7
auto_text, 6	T tags, 7 track_clicks, 6
djrill.MandrillAPIError, 9 djrill.NotSupportedByMandrillError, 9	track_opens, 6 tracking_domain, 7
G	U
global_merge_vars, 7 google_analytics_campaign, 8 google_analytics_domains, 8	url_strip_qs, 7 use_template_from, 10 use_template_subject, 10
I	V
important, 6 inline_css, 6 ip_pool, 8	view_content_link, 7
M	
MANDRILL_API_KEY setting, 4 MANDRILL_SUBACCOUNT setting, 4 merge_language, 7 merge_vars, 7 metadata, 8	
P	
preserve_recipients, 7	
R	
recipient_metadata, 8 return_path_domain, 7	
S	
send_at, 8 setting MANDRILL_API_KEY, 4 MANDRILL_SUBACCOUNT 4	