

Sentry

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Sentry

Sentry search query or message id Tableau de bord Flux Projets Compte

Projets / Default Tout queries messages exceptions

Nettoyer le flux Stopper le flux Trier par: Dernier vu Depuis: 3 jours < >

MARQUE-PAGES

Tous les événements Seulement les marque-pages

STATUS

Any Unresolved Resolved

LOGGER

Any foo foo.bar root sentry.errors.javascript sentry.plugins

LEVEL

Any debug

3 hours ago ✓
Client 'raven-python/1.5.0' raised API error:
root

2 hours ago ✓
Error processing 'post_process' on 'instancemethod': error(61, 'Connection refused')
sentry.plugins

2 months ago ✓
Error processing widget() on "<class 'sentry.plugins.sentry_sites.models.SiteGroupPanel'>"
sentry.plugins

2 months ago ✓
Error processing widget() on "<class 'sentry.plugins.sentry_urls.models.ServerUrlsPanel'>"
sentry.plugins

2 months ago ✓
Error processing widget() on "<class 'sentry.plugins.sentry_servers.models.ServerGroupPanel'>"
sentry.plugins

2 months ago ✓
Error processing panels() on "<class 'sentry.plugins.sentry_sites.models.SiteGroupPanel'>"
sentry.plugins

3 hours ago ✓
Error processing 'post_process' on 'instancemethod': error(61, 'Connection refused')
root

Qu'est-ce que Sentry ?

- Logs applicatifs
- Pile d'exécution Python
- Client (Raven) / Serveur (Sentry)
- Centralisé

Historique

- Développé pour Disqus
- 250 serveurs
- 4 milliards de pages / mois
- Mises en production perpétuelles

Environnement

- Sites Django
- Scripts Python
- Sites Flask
- Autre langages:
 - PHP
 - Java

Architectures

- Un serveur, plusieurs sites
- Un site, plusieurs serveurs
- Des scripts isolés

Avant

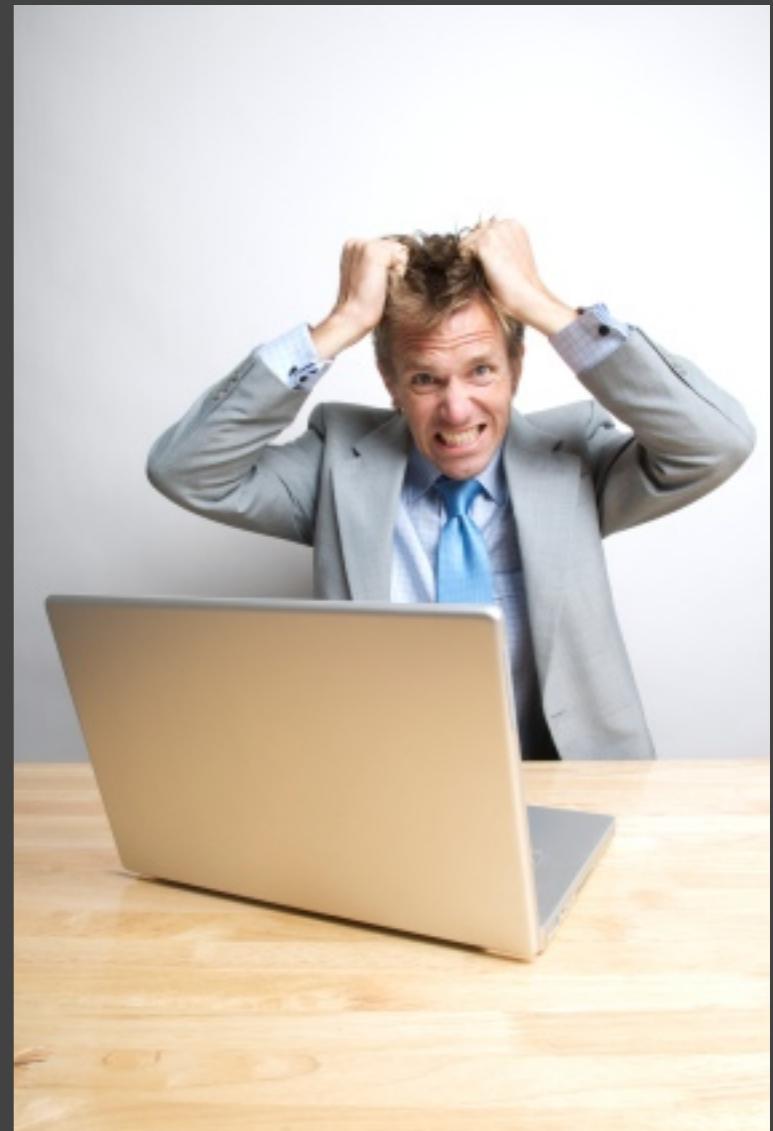
Django permet l'envoi de mails :

Traceback (most recent call last):

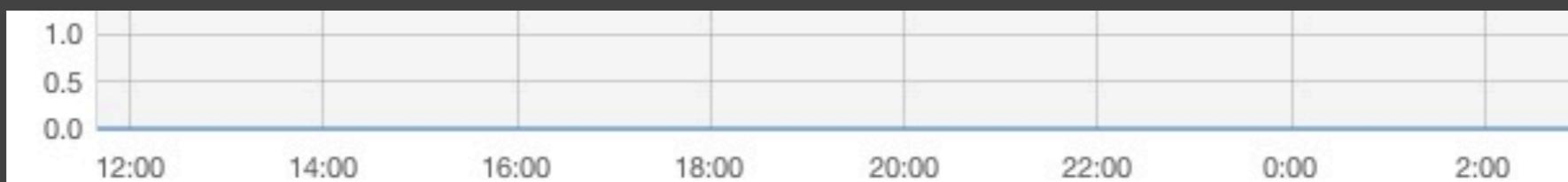
```
File "[..]/django/core/handlers/base.py", line 111, in get_response
    response = callback(request, *callback_args, **callback_kwargs)
```

```
File "/sentry_talk/views.py", line 9, in demo
    total = array1[i]*array2[i]
```

IndexError: list index out of range



Avec Sentry



Stacktrace

`django/core/handlers/base.py` in `get_response`

```
168.             receivers = signals.got_request_exception.send(sender=self._
```

► Local vars

sentry_talk/views.py in demo

```
9.      total = array1[i]*array2[i]
```

Vocal vars

array1 (1, 2, 3, 4, 5)

array2 (10, 11, 12)

i 3

request "<WSGIRequest>\nGET:<QueryDict: {}>, \nPOST:<QueryDict: {}>, \nCOOKIES: {}>"



Problèmes résolus par Sentry

- Des fichiers de logs tronqués
- Des problèmes difficilement reproductibles
- Un centraliseur de logs à mettre en place (complexité, services différents).

Les atouts

- Gestion par projet
- Filtrages
- Plugins

Projets

Sentry select a project to enable search

Projets ▾ Compte ▾

Select a project to view the stream of events...

Default



occasion

Linovia



test



Filtres

Nettoyer le flux Stopper le flux Trier par: Dernier vu Depuis: 3 jours ◀ ▶

2 **sentry_talk.views.demo** 7 hours ago ✓
IndexError: list index out of range root ❤

◀ ▶

MARQUE-PAGES

- Tous les événements
- Seulement les marque-pages

STATUS

- Any
- Unresolved
- Resolved

LOGGER

- Any

LEVEL

- Any
- debug
- info
- warning
- error
- fatal

Plugins

- Lors d'un évènement :
 - Mails
 - Messageries instantanées
- Analyse post mortem :
 - Création d'un bug dans votre outil

Utiliser Sentry

- Installation
- Mise en place avec :
 - Django
 - Python
 - Logging

Installer Sentry

- \$ pip install sentry
 - \$ sentry start
- ou
- <http://www.getsentry.com/>

Raven

- \$ pip install raven
- Créer un projet sur sentry
- Noter le DSN du projet / serveur
- \$ raven test <DSN>

Django

Editez votre settings.py :

```
# Set your DSN value
SENTRY_DSN = 'http://xxxx:yyyy@host:8000/5'

# Add raven to the list of installed apps
INSTALLED_APPS = INSTALLED_APPS + (
    # ...
    'raven.contrib.django',
)
```

Scripts Python

```
from raven import Client

client = Client('http://public:secret@example.com/1')

try:
    1/0
except ZeroDivisionError:
    ident = client.get_ident(client.captureException())
    print "Exception caught; reference is %%s" %% ident
```

Intégration avec logging

```
import logging
from raven.handlers.logging import SentryHandler

# Setup logging
handler = SentryHandler('http://public:secret@example.com/1')
base_logger = logging.getLogger()
base_logger.addHandler(handler)
```

Logs de base

```
# Log  
logger = logging.getLogger('demo')  
logger.warning('log de base')
```

Projets / Default / log de base

1	log de base	2 minutes ago ✓
	log de base	demo ❤
Details		Événements Serveurs URLs Sites Actions ▾
Données supplémentaires		
filename	'<stdin>'	
funcName	'<module>'	
lineno	1	
message	'log de base'	
module	'<stdin>'	
pathname	'<stdin>'	
process	12233	
processName	'MainProcess'	
thread	140735116110176	
threadName	'MainThread'	

RASSEMBLER LES DÉTAILS

Logger: demo
Level: warning
Statut: Non Résolu
Premier vu: 2 minutes ago
Dernier vu: 2 minutes ago
Durée moyenne n/a
Les deux mots de passes ne sont pas égaux.
ba48856a44c40c4295c0bc19e6ebcf7

SERVEURS

1 iMac-de-Xavier-Ordoquy.local

Logs avec pile

```
# Log
logger = logging.getLogger('demo')
logger.warning('log avec pile 2', extra={'stack': True})
```

The screenshot shows a log entry from a monitoring platform. The log entry is a warning message from a logger named 'demo' at level 'warning'. The message text is 'log avec pile'. The log was created 6 minutes ago. The 'extra' field contains a 'stack' key with the value 'True'. The interface includes tabs for 'Details', 'Événements', 'Serveurs', 'URLs', and 'Sites', and an 'Actions' dropdown. A 'Raw' button is available for the stacktrace. The 'Stacktrace' section shows '<stdin> in <module> at line 1' and a 'Local vars' link. The 'Données supplémentaires' section lists various log parameters. On the right, a sidebar titled 'RASSEMBLER LES DÉTAILS' provides summary information about the log entry, including the logger, level, status, and timestamps. It also includes a note about the stack trace being present in both passes and a unique identifier. The 'SERVEURS' section shows one server: '1 iMac-de-Xavier-Ordoquy.local'.

filename	'<stdin>'
funcName	'<module>'
lineno	1
message	'log avec pile'
module	'<stdin>'
pathname	'<stdin>'
process	12233
processName	'MainProcess'
thread	140735116110176
threadName	'MainThread'