

STREET VOICE 街聲

**From Windows/ASP
to Linux/Python**

by @tzangms

about me

musician

CTO of StreetVoice

@tzangms

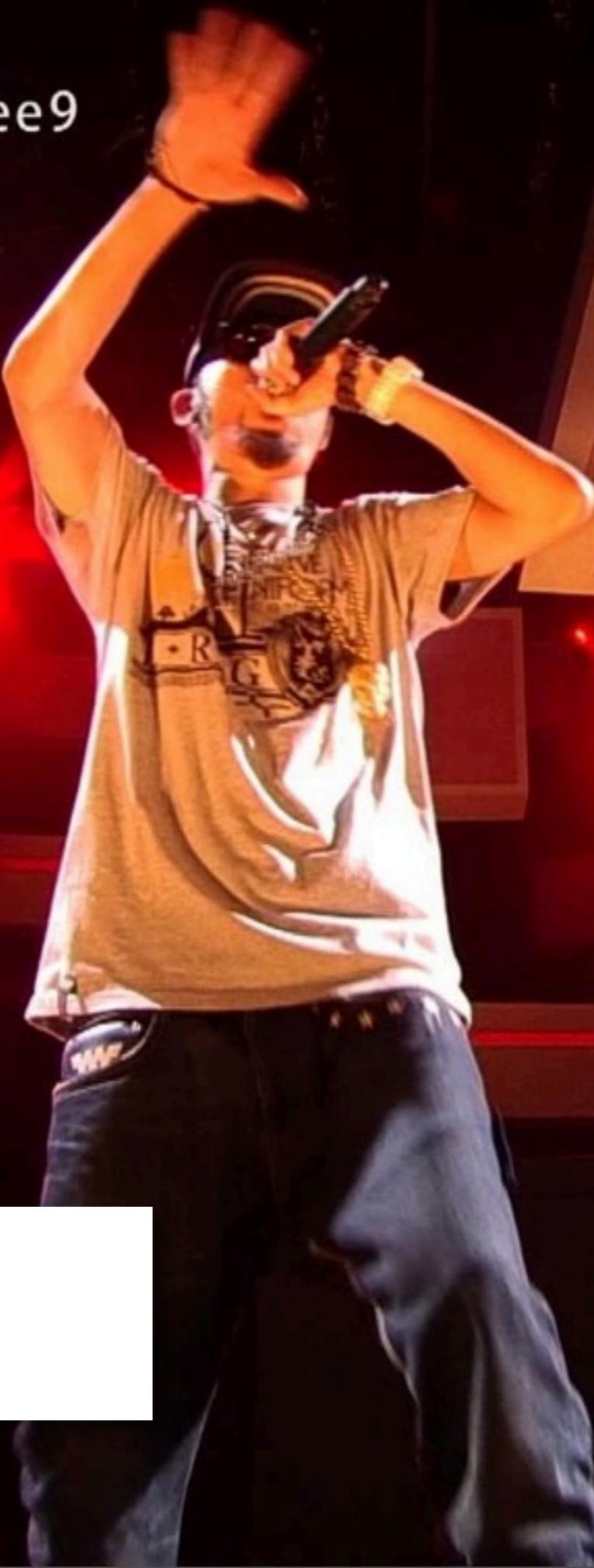


What we do at StreetVoice

Online.Offline

THE
NEXT
BIG
THING
見證大團

熱狗 MC HotDog & Free9



TV Shows

Events

每場 300 人的微型革命
由你發起，改變世界對音樂的態度



THE NEXT BIG THING
2011見證大團誕生系列



Campus tours

Website, of course!

STREETVOICE 音樂 創意 現場 消息 徵選 ✓ Like 35k (A) 🔍 i ⌂ LALABA

THE NEXT BIG THING
2011 街聲大衛生系列之年終回顧場

Fri. 12/23 [年终回顾场]
Doodle/ 血肉果汁機/ 那我懂你意思了/ Hush

STREETVOICE 手機版
街聲不離手，好聽音樂不錯過

24hr 即時熱門歌曲

- 01 沒有人在乎你在乎...
by 那我懂你意思了
- 02 很幼稚嗎？
by 那我懂你意思了
- 03 獻給總是美麗的妳
by 那我懂你意思了
- 04 遺忘不是我們的專...
by 那我懂你意思了
- 05 該說再見了朋友們
by 那我懂你意思了
- 06 格子城市
by 那我懂你意思了
- 07 該說再見了朋友們
by 那我懂你意思了
- 08 我打工的咖啡廳
by 那我懂你意思了
- 09 酒店關門後
by 那我懂你意思了
- 10 該說再見了朋友們
by 那我懂你意思了

獻給總是美麗的妳
by 那我懂你意思了 1 小時前

13 轉貼

3205 留下你的訊息...

唱片插圖
by LALABA 6 小時前

53 留言完成！

FORMOSA ROMANCE
ROCKANDROLLERS IN SHIT ISLAND

Crispy

Problems when I join StreetVoice

Chaos

Not Scalable

'/' 應用程式中發生伺服器錯誤。

文化特性 'zh-Hans' 是中性文化特性。其不能用於格式 (Formatting) 或剖析 (Parsing)，因此也不能設定為執行緒目前的文化特性。

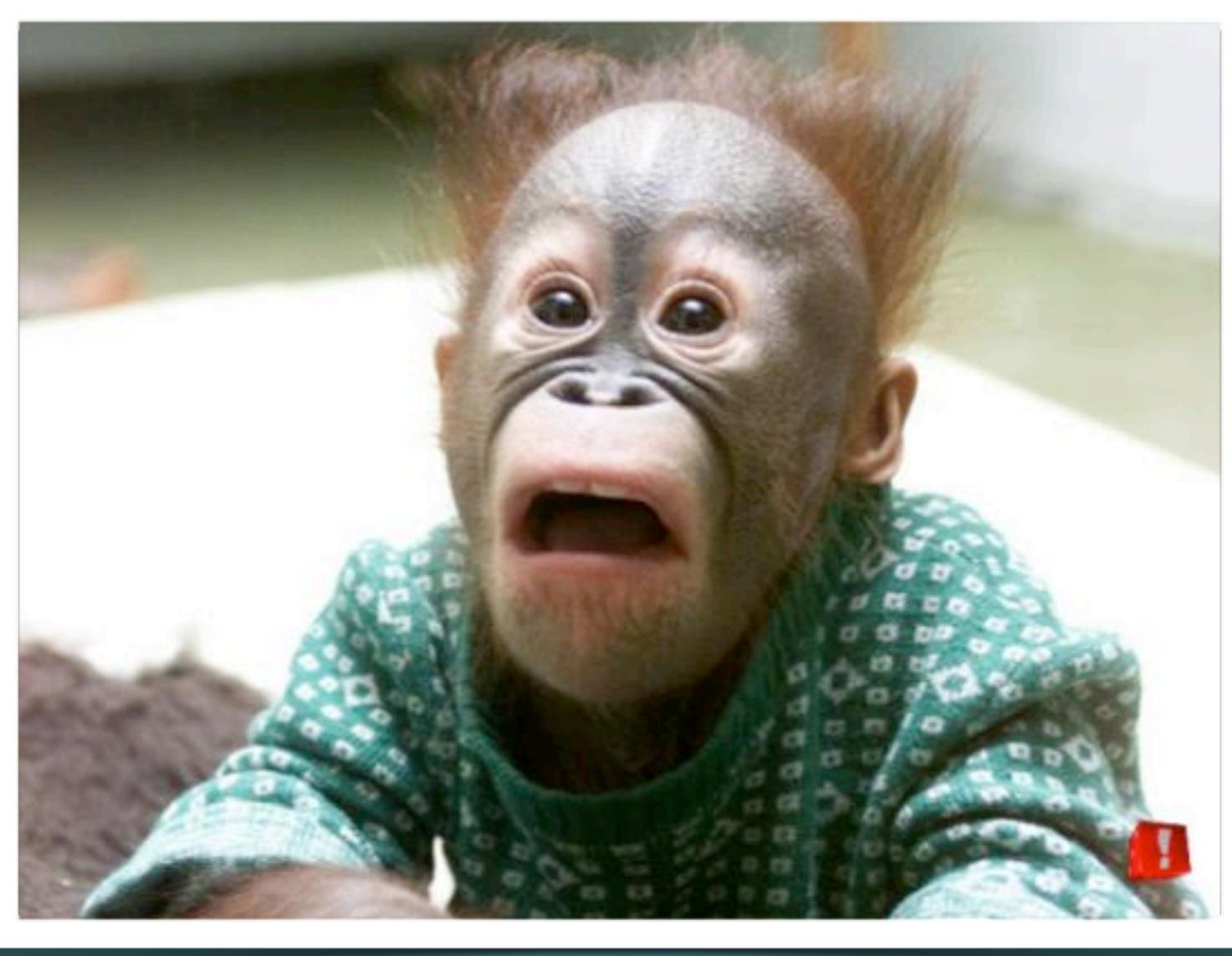
ASP is too old
not even ASP.net

堆疊追蹤:

```
[NotSupportedException: 文化特性 'zh-Hans' 是中性文化特性，其不能用於格式 (Formatting) 或剖析 (Parsin
System.Globalization.CultureInfo.CheckNeutral(CultureInfo culture) +7484386
System.Threading.Thread.set_CurrentCulture(CultureInfo value) +42
System.Web.ThreadContext.SetRequestLevelCulture(HttpContext context) +8782180
System.Web.ThreadContext.Enter(Boolean setImpersonationContext) +247
System.Web.HttpApplication.OnThreadEnterPrivate(Boolean setImpersonationContext) +42
System.Web.ApplicationStepManager.ResumeSteps(Exception error) +120
```

Windows Update
REBOOT

your server



Automatically!

Poor Database performance

Wrong File structures

/profile/1/image.jpg

/profile/2/image.jpg

/profile/3/image.jpg

•

•

•

/profile/999999/image.jpg

And we do
everything

MUSIC VIDEO WRITING
PHOTOGRAPHY DNA DESIGN
微選活動 街頭情報

etc ...

**with just 3 developers
at that time**

How do I
convince
my boss to use
python?

Google



mozilla
FOUNDATION

DISQUS



Pinterest

rdic™

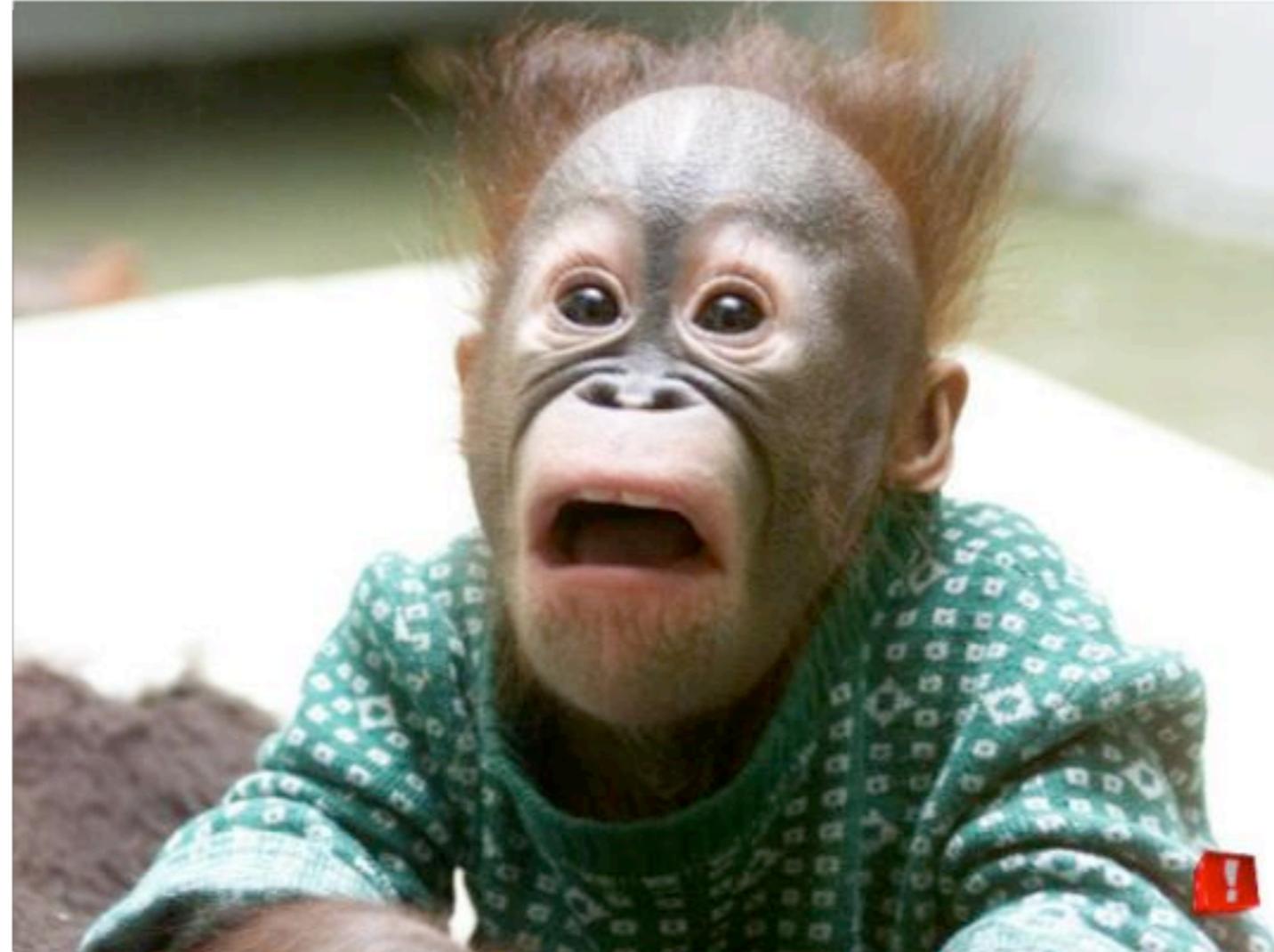


阿怪：音樂人就該用 Django



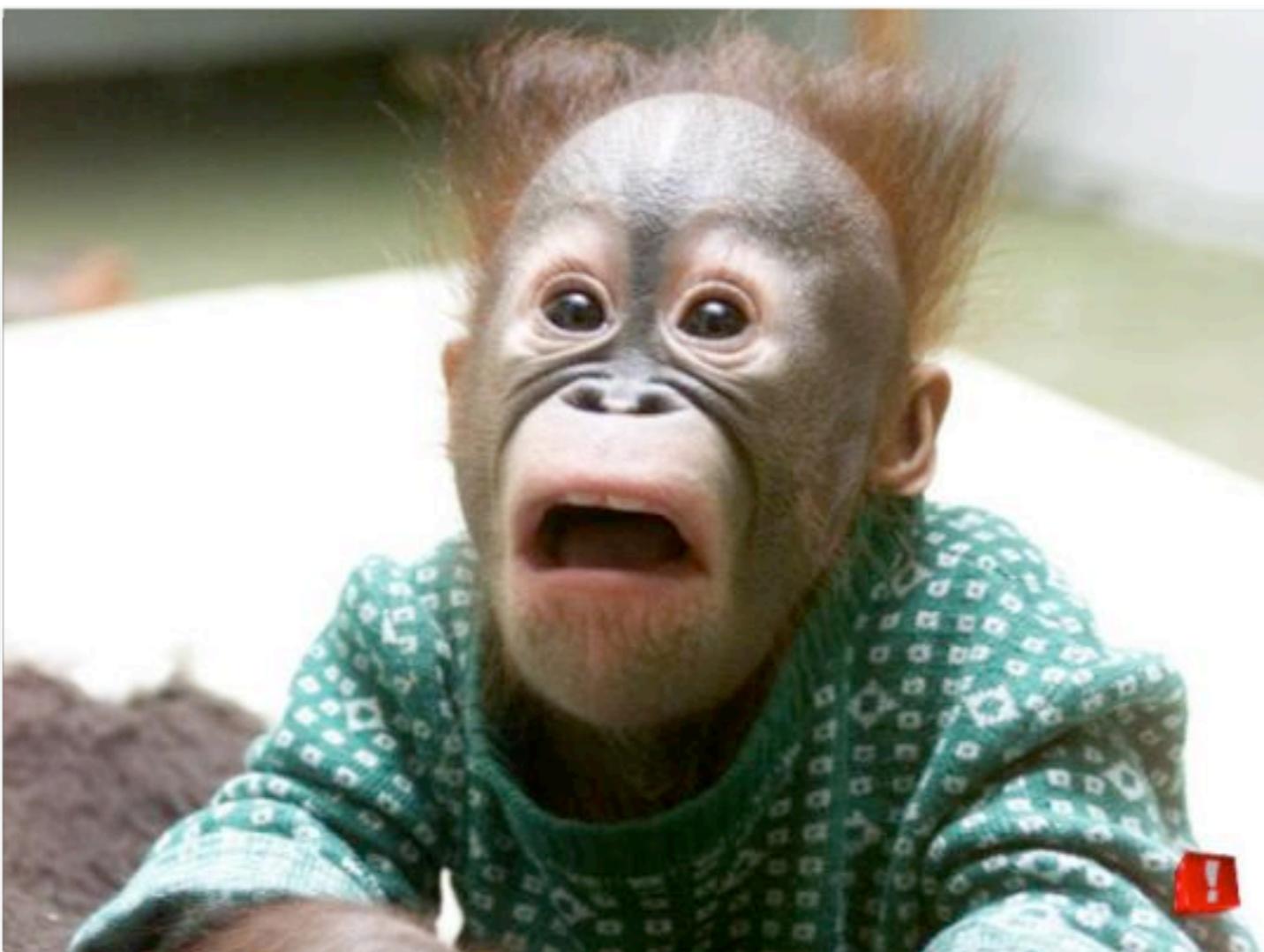
但其實說服老闆

我是用唬爛的



因為我當時根本不會寫
Python 阿！

Migrate



I have to run
Django / ASP
at the same time!

I port User data first

Single sign on

to make both Django/ASP login at the same time

NGINX

/music/*

/account/*

/anything not ported

django

ASP Active
Server Pages



Migrate database

from Microsoft SQL Server 2000 to MySQL

Migrate file structure

I have to move lots of files, and update database

/profile/1/image.jpg
/profile/2/image.jpg
/profile/3/image.jpg

•
•
•

/profile/999999/image.jpg

**Since StreetVoice has been
running for 3 years, so ..**

There are so many data



It's Hell ...

I repeated all these
steps, again and again

After 1.5 year

we finally
killed
Windows / ASP

What took me so long?

**lots of cases
and support**

like...



WE ARE YOUNG,
SHOULD BE **WILD.**



2012 簡單生活節



**and there are cases
I don't even want to talk**

Training people

everyone knows nothing about open source stuff

**From no VCS, then
Mercurial, now Git**

What we use now?

 python
django

Linux™




Database



Memcache: johnny-cache

Message Queue: Celery + RabbitMQ

C Celery

```
from celery import task  
  
@task()  
def encode_audio(song_id, bitrate):  
    ...
```

Celery: Distributed Task Queue



Celery is an asynchronous task queue/job queue based on distributed message passing. It is focused on real-time operation, but supports scheduling as well.

The execution units, called tasks, are executed concurrently on a single or more worker servers using multiprocessing, Eventlet, or gevent. Tasks can execute asynchronously (in the background) or synchronously (wait until ready).

Celery is used in production systems to process millions of tasks a day.

Fulltext search: Haystack + Solr



Haystack
Modular search for django

More Like This
Faceting
Spatial
Stored (non-indexed) fields
Highlighting
Spelling Suggestions
Boost

Find the needle you're looking for.

 Download

 Documentation

Search doesn't have to be hard. Haystack lets you write your search code once and choose the search engine you want it to run on. With a familiar API that should make any Djangonaut feel right at home and an architecture that allows you to swap things in and out as you need to, it's how search ought to be.

Haystack is [BSD licensed](#), plays nicely with third-party apps without needing

Haystack 1.2.7

Posted on 2012/04/06 by Daniel

The final release of the Haystack 1.X series, v1.2.7, has been released & pushed to PyPI. This release features a number of bugfixes as well as incorporating the addition of the `.values()`/`.values_list()` methods. This release is

Exception Logging: Sentry

Pricing Docs Blog Sign in

Sentry

Ship with confidence.

Sentry notifies you when your users experience errors in your web and mobile apps.

[See plans and pricing](#)

The screenshot shows the Sentry web interface. At the top, there are tabs for 'Sentry', 'Events', and 'Team'. Below the tabs, there's a search bar and some filter options like 'Resolve Feed', 'Pause Updates', 'Sort by: Last Seen', and a date range from 'Since Jan 17th'. On the right side, there are several dropdown filters for 'BOOKMARKS' (set to 'All Events'), 'STATUS' (set to 'Select a status'), 'BROWSER' (set to 'Select a browser'), 'LEVEL' (set to 'Select a level'), 'LOGGER' (set to 'Select a logger'), 'OS' (set to 'Select a os'), and 'SERVER NAME'. The main area displays a list of error events. Each event has a colored circular badge indicating its count: 144 (grey), 21 (red), 970 (orange), 2.5k (brown), and 3 (blue). The first event is a 'SyntaxError' with the message 'foo must come before bar'. The second is a 'ValueError' with 'baz is not a valid choice'. The third is a 'TypeError' with 'NoneType cannot be coerced to bar'. The fourth is another 'TypeError' with the same message. The fifth is a 'TypeError' with 'NoneType cannot be coerced to bar'.

We even open source now just get started

The screenshot shows a GitHub profile page for the organization "StreetVoice". The profile header features the "STREET VOICE" logo. The top navigation bar includes links for "Explore", "Gist", "Blog", and "Help". The user's profile picture is shown next to their name, "tzangms". A search bar and a gear icon are also present.

The main content area displays four repository cards:

- HysteriaPlayer**: iOS AVPlayer class for remote media only. Last updated 2 days ago. Language: Objective-C. Stars: 65. Forks: 10.
- streetvoice-dev-bootstrap**: Last updated 4 months ago. Language: Ruby. Stars: 4. Forks: 1.
- django-cloudfront**: CloudFront private content signing for Django. Last updated 6 months ago. Language: Python. Stars: 2. Forks: 0.
- streetvoice-celery-email**: Last updated 6 months ago. Language: Python. Stars: 1. Forks: 0.

At the bottom left, the profile summary shows:
5 public repos 15 private repos 12 members

持續徵人

Python, Frontend, iOS, Sys admin

Mail me
tzangms@streetvoice.com

Any Questions?