



Welcome

edward.chen@analyticsservice.net

Our partner have

- Sensor devices

With different brands, also different specifications

- All are time series data

Sampling from 5 seconds to 1 minute

OPTIONS



OPENTSDB

opentsdb.net

Runs on Hadoop and HBase



elastic

elastic.co

...
...
...

others?

Then



influxdb.org

Came into our sight



An open-source, distributed, scalable, time series, events, and metrics database with no external dependencies.



InfluxDB features

- Distributed
- Scalable
- Consensus(raft)
- No external dependencies
- SQL-ish
- Builtin functions
- Continuous Queries
- Client libraries
- Schemaless
- Http native api
- *etc...*

Why we choose InfluxDB

- Activities
- Willing to try new things
- Easy to use

on Apr 1, 2014	v0.5.3 ...	767ba83	zip	tar.gz
on Mar 29, 2014	v0.5.2 ...	92a7d37	zip	tar.gz
on Mar 26, 2014	v0.5.1 ...	af7455d	zip	tar.gz
on Mar 25, 2014	v0.5.0 ...	a11a11e	zip	tar.gz
on Mar 21, 2014	v0.5.0-rc.6 ...	b01b6bd	zip	tar.gz
on Mar 12, 2014	v0.5.0-rc.5 ...	b5f68b7	zip	tar.gz
on Mar 8, 2014	v0.5.0-rc.4 ...	348d5b5	zip	tar.gz

[influxdb] Abridged summary of influxdb@googlegroups.com - 27 updates in 16 topics - influxdb...

[influxdb] Abridged summary of influxdb@googlegroups.com - 24 updates in 10 topics - influxdb...

[influxdb] Abridged summary of influxdb@googlegroups.com - 19 updates in 9 topics - influxdb@...

[influxdb] Abridged summary of influxdb@googlegroups.com - 4 updates in 3 topics - influxdb@g...

[influxdb] Abridged summary of influxdb@googlegroups.com - 11 updates in 9 topics - influxdb@...

[influxdb] Abridged summary of influxdb@googlegroups.com - 19 updates in 13 topics - influxdb...

[influxdb] Abridged summary of influxdb@googlegroups.com - 10 updates in 9 topics - influxdb@...

[influxdb] Abridged summary of influxdb@googlegroups.com - 8 updates in 5 topics - influxdb@g...

[influxdb] Abridged summary of influxdb@googlegroups.com - 14 updates in 9 topics - influxdb@...

[influxdb] Abridged summary of influxdb@googlegroups.com - 7 updates in 5 topics - influxdb@g...

[influxdb] Abridged summary of influxdb@googlegroups.com - 1 update in 1 topic - influxdb@goo...

[influxdb] Abridged summary of influxdb@googlegroups.com - 5 updates in 3 topics - influxdb@g...

[influxdb] Abridged summary of influxdb@googlegroups.com - 20 updates in 12 topics - influxdb...

[influxdb] Abridged summary of influxdb@googlegroups.com - 10 updates in 7 topics - influxdb@...

[influxdb] Abridged summary of influxdb@googlegroups.com - 14 updates in 7 topics - influxdb@...

[influxdb] Abridged summary of influxdb@googlegroups.com - 27 updates in 15 topics - influxdb...

[influxdb] Abridged summary of influxdb@googlegroups.com - 5 updates in 4 topics - influxdb@g...

[influxdb] Abridged summary of influxdb@googlegroups.com - 6 updates in 6 topics - influxdb@g...

[influxdb] Abridged summary of influxdb@googlegroups.com - 5 updates in 4 topics - influxdb@g...

[influxdb] Abridged summary of influxdb@googlegroups.com - 2 updates in 2 topics - influxdb@g...

[influxdb] Abridged summary of influxdb@googlegroups.com - 5 updates in 4 topics - influxdb@g...

[influxdb] Abridged summary of influxdb@googlegroups.com - 7 updates in 5 topics - influxdb@g...

[influxdb] Abridged summary of influxdb@googlegroups.com - 4 updates in 3 topics - influxdb@g...

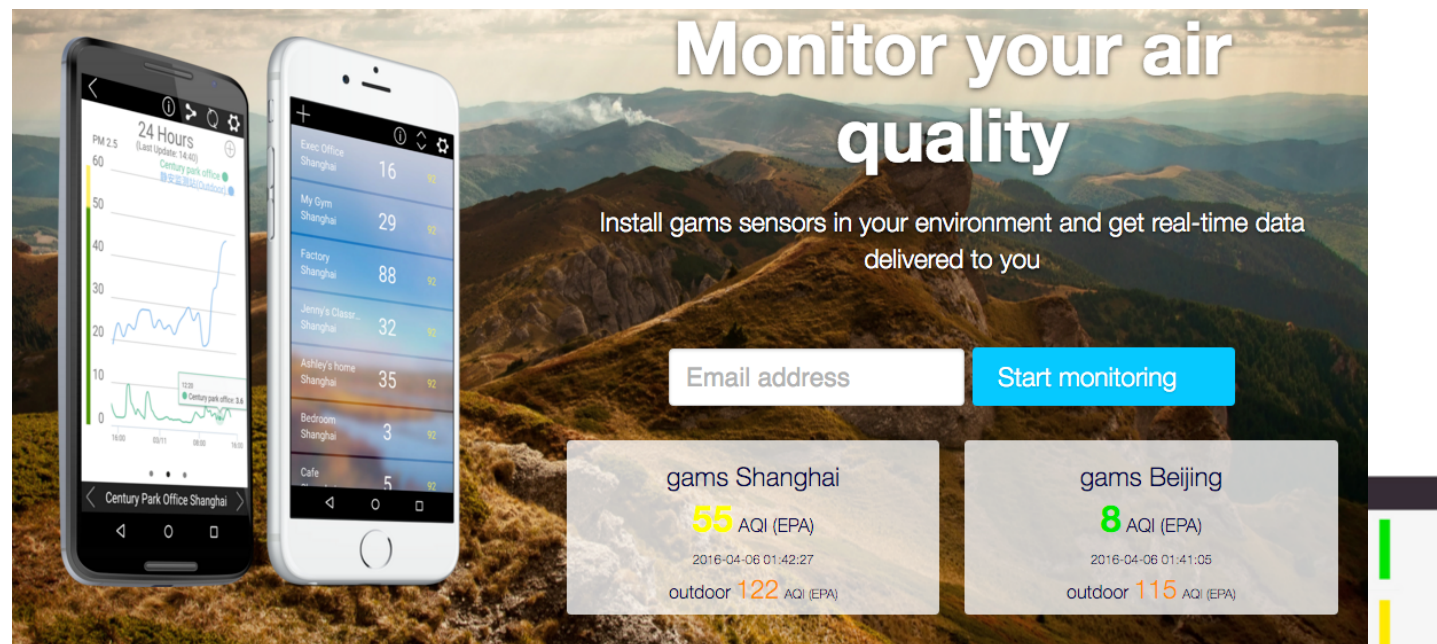
have accomplished



Sensor devices + White box

(prototype photos)

have accomplished



Monitor your air quality

Install gams sensors in your environment and get real-time data delivered to you

Email address

Location	AQI (EPA)	Timestamp	Outdoor AQI (EPA)
gams Shanghai	55	2016-04-06 01:42:27	122
gams Beijing	8	2016-04-06 01:41:05	115

Dashboard

Ideal for facility managers, keep track of multiple monitors across multiple locations, access all your devices' data and history to drive decision making.

Data display

Display your data across different medium (TV, tablet) and integrate the live measures in your website.



Basic Architecture

Sensor devices



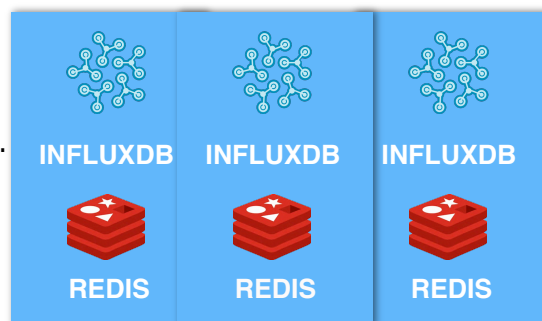
Sensor Data Receivers



standard net/http



Storage



NGINX

OAuth Provider



Restful APIs

Major Godeps:

codegangsta/martini
garyburd/redigo
influxdb/influxdb-go
rakyll/ticktock



Dashboard/Cpanel



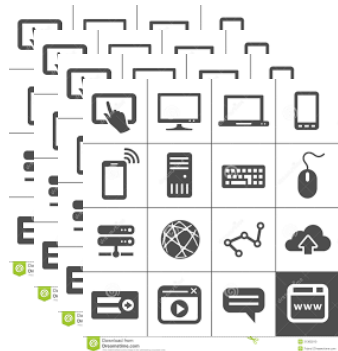
Century park office	46	
gams Beijing	57	
gams Data Center	76	
Exec office	87	
gams Shanghai	154	
Xujiahui office	193	

Third party integrations



Basic Architecture

Sensor devices



Sensor Data Receivers

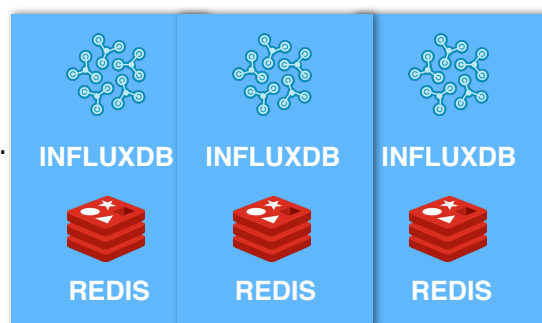


standard net/http

...



Storage



MySQL

NGINX

OAuth Provider



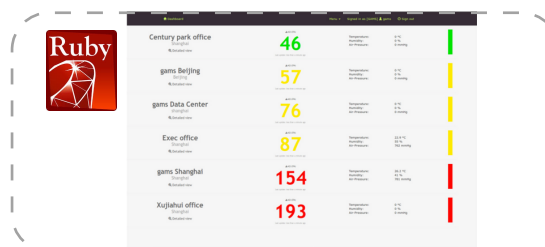
Restful APIS

Major Godeps:

codegangsta/martini
garyburd/redigo
influxdb/influxdb-go
rakyll/ticktock



Dashboard/Cpanel



Maybe next?

Caddy(light & lets encrypt)

fasthttp/gin/iris

ETCD/Consul

NSQ

CockroachDB/TIDB

Codis

Containers

GO IN GO

Thank you

edward.chen@analyticsservice.net

上海音智达信息技术有限公司
Shanghai Advanced Analytic Service Co.,Ltd.
上海市长宁区安西路100号
No. 100 Anxi Road Shanghai China 200050