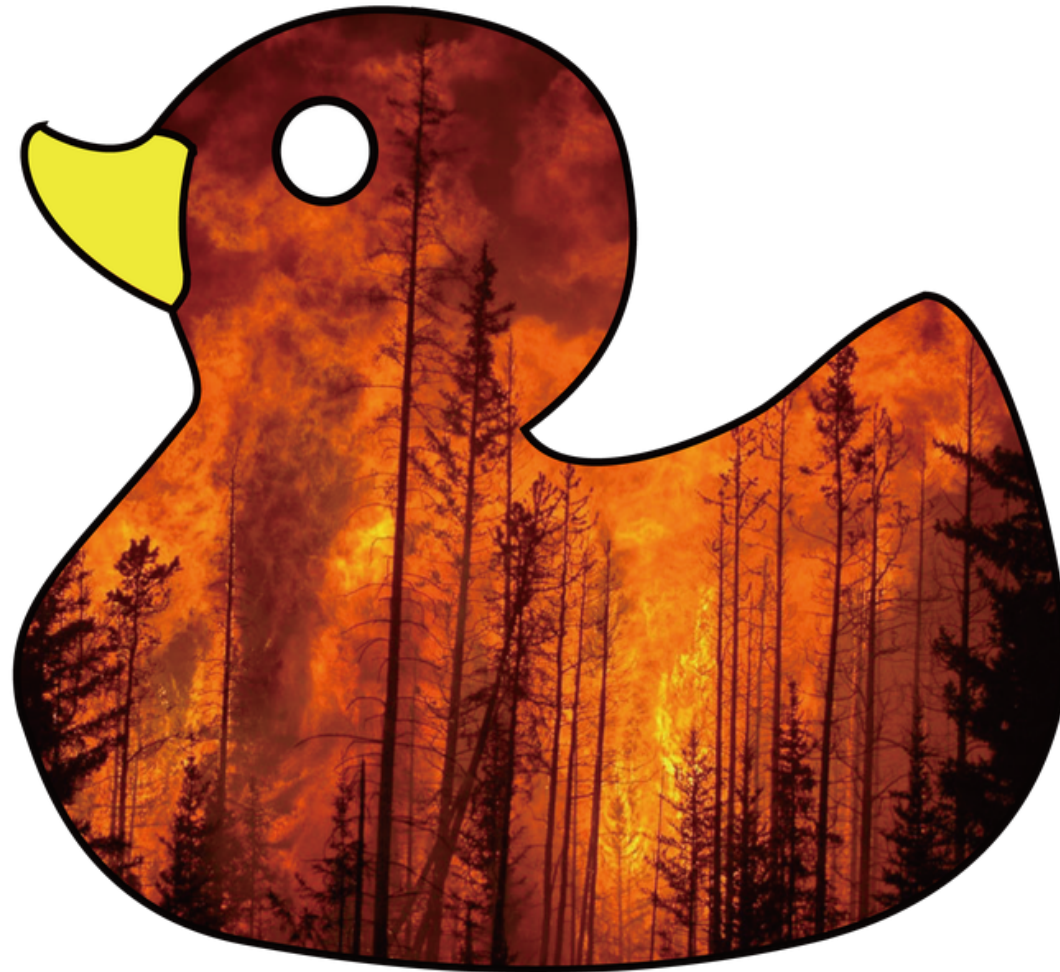# Ahiruyaki monitored by Zabbix in part 2

ABOUT ME

Name is Kaz (inaba@Kazsansan).
Born in Japan which is far from here.

I work as a system engineer, mainly creating IT infrastructure.

I really like Zabbix, and this is the 4th conference for me.

I want to go overseas if I have a chance.

Agenda

1. What is "Ahiruyaki" ?

2. What is the Ahiruyaki system?

OK!
You remember ?

Do you know "Ahiruyaki" ?

This is the story I explained last year here !

You've already forgot ?

Let's go over !

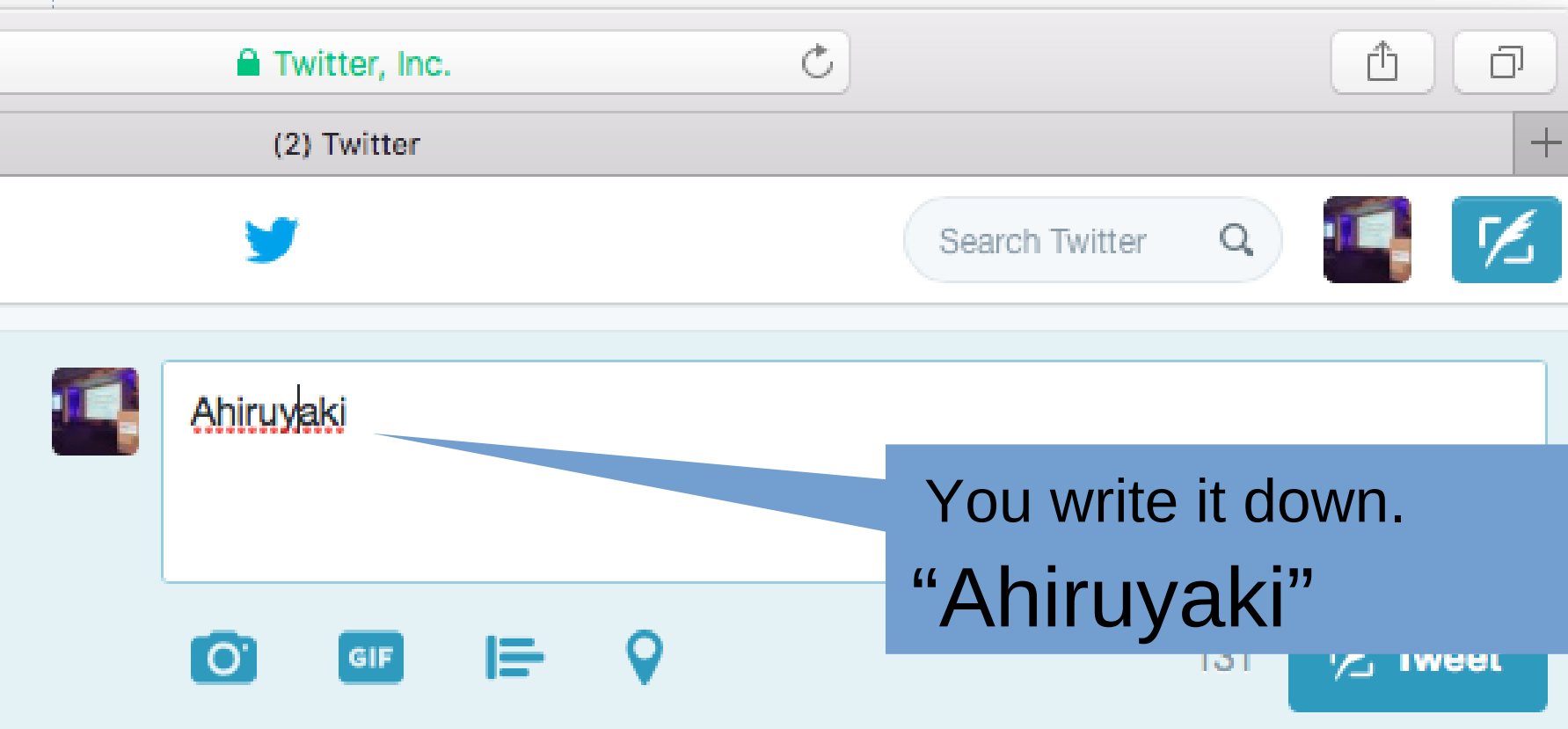(First listener, I would like to listen carefully.)

What is "Ahiruyaki?"

"Ahiruyaki" is a word that means messages, but also burned duck in Japanese.

We will get many messages and pictures of ducks if we would search for the term ("Ahiruyaki") on Twitter.

So, this is an example from Twitter.

You write it down.
"Ahiruyaki"

So, Twitter returns posts with ducks and kinds of Japanese messages.

●●●●● SoftBank   4G   21:53   ☾ ➔ ⏰ 100% ▬▬▬ ⚡

‹   **Tweet**   🔍 ✍

In reply to @InabaKazsansan

人間性.exe
@ahiru3net

@InabaKazsansan テンション上がりすぎて灰になっちまったぜ

🌐 Translate from Japanese

9/9/15, 21:53

↩   ♻   ★   •••

Reply to 人間性.exe

🏠   🔔   ✉   👤

Kinds of messages

"Ahiru" means duck and male in Japanese, and "yaki" means burned.

The word "Ahiruyaki" is often used to make fun and jokes.

It's popular in Nagoya and Tokyo on twitter around the Japanese open source communities Tokaido Linux User Group ,"Tokaidolug".
http://tokaidolug.colorfultime.net/

Sometimes when searching for the word you will get this picture in the results, the picture.

The writing in Japanese closely says: "Please take me away from here".

Zabbix is monitoring the number of times people search for the term.

Zabbix is monitoring "Ahiruyaki".

The software is called "Ahiruyaki counter", made in Nagoya area by persons Mr. Ahiru and Mr.Tubouchi, using python and ruby.

The term "Ahiruyaki" is very popular.
Oh boy!

Mostly messages like this:

わたしに火をつけてしまったようだな？
So, it seems to be burned more.

おう、火力足んねぇぞ！
Hey, gives me firepower.

And lots of messages

You get this picture!
You might have seen this before.

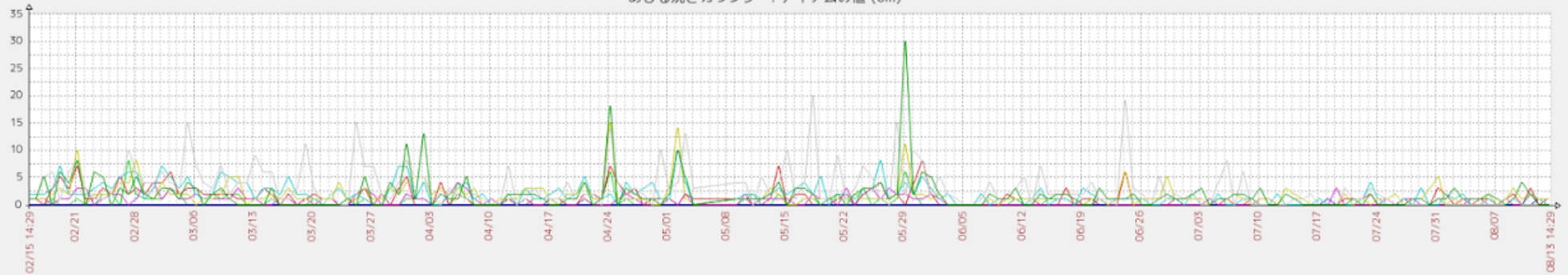# About "Ahiruyaki Counter" in details

Zabbix counts the number of times Ahiruyaki is mentioned every day.

So the program made a graph in using the data.

We can watch the graph displaying the current updates on Twitter.

Lets watch this.

あひる焼きカウンター: アイテムの値 (6m)

		最新値	最小	平均	最大
■ [日次]@2box2bo	[平均]	0	0	0.483	8
■ [日次]@ahiru3net	[平均]	1	0	1.24	8
■ [日次]@ahiru3net_dev	[平均]	1	0	0.017	1
■ [日次]@Akkiesoft	[平均]	1	0	0.7216	4
■ [日次]@hashimom	[平均]	0	0	1.86	10
■ [日次]@Masa_B_Kondo	[平均]	1	0	1.72	15
☐ [日次]@mforce4	[平均]	0	0	3.07	20
■ [日次]@shimadah	[平均]	0	0	1.85	30

Users to be continued

24 hours a day, this is a new one,
in all about 500 user accounts and over 13,000
postings for the time being.
So, let us search for the term "Ahiruyaki" from over
the world!
That's it.

What is the Ahiruyaki system ?

About the Ahirykaki system,
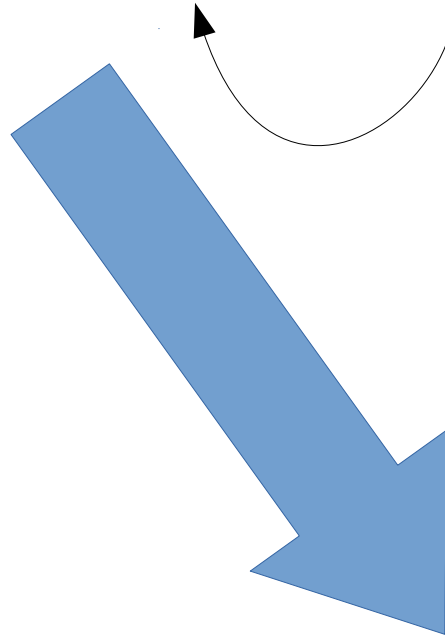take a look at this !
It is composed of three parts.

1. Mikutter plugin (Ahiru_yakuna)

2. Zabbix_Sender in "Ahiruyaki Counter"

3. Zabbix monitoring!

This is the whole picture of the system.

"Ahiruyaki"
term on Twitter

(Returned kinds of messages)

By Mikutter Plugin
Ahiru_yakuna

By python Ahiruyaki Counter
based on Zabbix_Sender

ZABBIX

Mikutter plugin which means based on ruby programs returns like a similar kinds of messages on twitter.

"Ahiruyaki" term on Twitter

(Returned kinds of Messages made of ruby program)

By Mikutter Plugin Ahiru_yakuna

You need to install one of the twitter client software of the "Mikutter" to use Mikutter plugin.
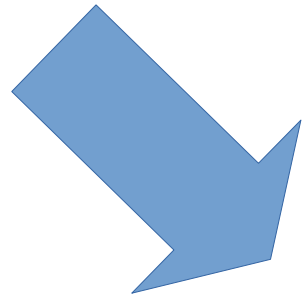
Mikutter sites
http://yuzuki.hachune.net/wiki/MikutterInstallBattle

Zabbix changes lots of returned messages on twitter into the graph of the statistics by python "Ahiruyaki Counter" based on Zabbix_Sender.

kinds of returned messages on Twitter

By python Ahiruyaki Counter based on Zabbix_Sender

Mikkuter Plugin in "Ahiru_yakuna" are as follows.

- ahiru_yakuna.rb
  → main part
- config.yml
  → returned messages
- .mikutter.yml
  → configuration file

"ahiru_yakuna.rb" sources are like this in detail.

```ruby
1   # -*- coding: utf-8 -*-
2
3   Plugin.create(:ahiru_yakuna) do
4
5     DEFINED_TIME = Time.new.freeze
6
7     begin
8       replyArray = YAML.load_file(File.join(File.dirname(__FILE__),"config.yml"))
9     rescue LoadError
10      notice "\"config.yml\" not found."
11    end
12
13    on_appear do |ms|
14      ms.each do |m|
15        if m.message.to_s =~ /Ahiruyaki/ and m[:created] > DEFINED_TIME and !m.retweet?
16          replySentence = replyArray.sample
17          Service.primary.post(:message => "#{"@" + m.user.idname + ' ' + replySentence}", :replyto => m)
18          m.message.favorite(true)
19        end
20      end
21    end
22  end
```

You can change the key word not "Ahiruyaki" but the term you would like.

ahiruyaki_counter.py is like this !

```python
# coding: UTF-8
import os
import sys
import json
import re
import urllib2
import datetime
import time
import ConfigParser
import socket
import struct
import string
import tweepy
```

- class ZabbixSender:
  - → ZabbixSender Part

- class ZabbixAPI(object):
  - → Setting property

- if __name__ == '__main__':
  - → Main Part

Source sites
(you can download and customize)

- Mikutter Plugin (ahiru_yakuna)
https://github.com/Na0ki/ahiru_yakuna

- Ahiruyaki Counter
https://github.com/2bobo/ahiruyaki_counter

Zabbix References

- Zabbix API manual
https://www.zabbix.com/documentation/2.2/manual/api

- Python Zabbix API
https://github.com/baniuyao/ZabbixPythonApi
https://github.com/gescheit/scripts/tree/master/zabbix
https://github.com/lukecyca/pyzabbix
https://github.com/gnetsman/zabbix_api

Slide Share

The overview and reference
(you are able to watch in Japanese
 and watch the sources in detail.)

http://www.slideshare.net/yoshitakatsubouchi/pythonzabbix-api
http://www.slideshare.net/ahiru3/2015osclt

So, everybody can customize them using these sources, and change the key word from "Ahiruyaki" to the term you would like.
You can make software like the Ahiruyaki system in your country monitored by Zabbix.

You are able to experience such wonderful things like "Ahiruyaki" on twitter enjoyably.

Why don't we do that in your country?

There is an extra.
"Ahiruyaki sticker" we made.
I have some with me now.
If you would like some , please come to me.
Please don't hesitate to ask.

Thank-you.