

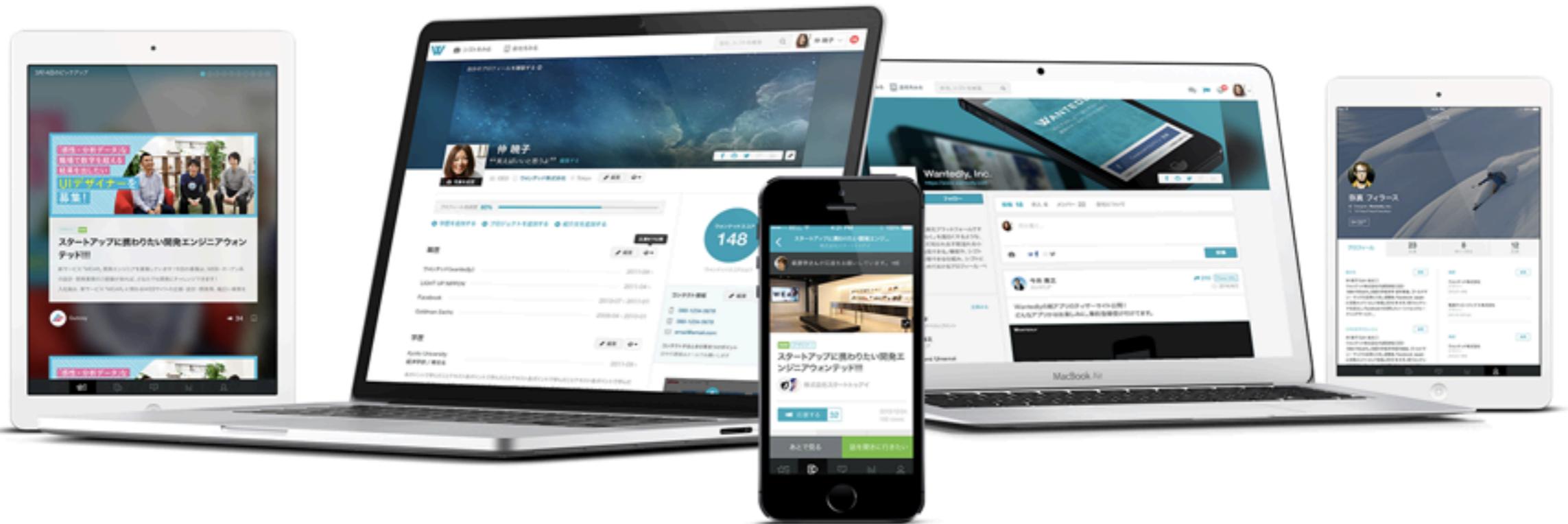
NGINX
IMAGE
SERVER

SEIGO UCHIDA



@spesnova

WANTEDLY



今日の話

nginx_small_light

の利用事例

利用箇所と導入した経緯

募集ページ (リサイズ)

日本での「GitHub」活用を促進させるGitHubberをウォンテッド! - GitHubの求人 - Wantedly

W 募集をみる 会社をみる フィードをみる ユーザーや会社、募集を検索 ★気になるリスト

中途採用 > 日本 > セールス

セールス

日本での「GitHub」活用を促進させるGitHubberをウォンテッド!

 GitHub

埋め込む いいね! 64 Tweet 95 Bookmark 4



🕒 2015/01/17 👤 社員とあなたの共通の友達 (12) +7 👁 4916 🗨 応援する 63

会社アイコン（上下に余白）

ヤフー株式会社の最新情報 - Wantedly

募集をみる 会社をみる フィードをみる

ユーザーや会社、募集を検索

★気になるリスト

 ヤフー株式会社
<http://www.yahoo.co.jp/>

フォローする 64人のフォロワー

ヤフー株式会社で働いています

Tweet いいね! 9

社員とあなたの共通の友達  + 156

設立年月 1996年1月 社員数 4514人

会社について 投稿 募集 (11) メンバー (134) 統計情報

ヤフー株式会社の募集

ヤフー地図の革新をあなたの手

会社アイコン（上下に余白）



プロフィール背景 (ブレンダー)

The image shows a screenshot of a user profile on the Wantedly website. The profile background is a blurred image of a person's face. Two red arrows point from the blurred background towards the 'プロフィール' (Profile) tab, indicating the blur effect. The profile information includes the name '内田 誠悟' (Uchida Makiko), a quote 'Just Do It', and the job title 'エンジニア' (Engineer) at 'Wantedly Inc.'. The profile has 77 connections and 23 introductions. The 'スキル・特徴' (Skills & Features) section lists 'オシャレエンジニア' (30), 'Hubot' (28), and 'Docker' (26). The 'ソーシャル' (Social) section shows icons for Facebook, Twitter, and LinkedIn. A 'Wantedly Score' of 90 is displayed in a blue circle.

内田 誠悟 プロフィール - Wantedly

募集をみる 会社をみる フィードをみる ユーザーや会社、募集を検索 ★気になるリスト

自分のプロフィールを編集する

うっちーさんの優しさで、心のインフラを整えてもらいたいです。

内田 誠悟
“Just Do It”
エンジニア Wantedly Inc.

プロフィール 77 つながり 23 紹介文

スキル・特徴

- 30 オシャレエンジニア
- 28 Hubot
- 26 Docker

ソーシャル

フォンテッド・スコア
90

会社ページ背景（ブレンダー）

Wantedly, Inc.の最新情報 - Wantedly

募集をみる 会社をみる フィードをみる ユーザーや会社、募集を検索 ★気になるリスト

Wantedly, Inc.
http://site.wantedly.com

フォローする 471人のフォロワー +社員を招待 Tweet いいね! 290

社員とあなたの共通の友達 (422) + 416

会社について 投稿 募集 (16) メンバー (42) 統計情報

ここに書く...

写真を選択する Twitter Facebook 投稿する

なにを投稿すればよいですか?

私たちについて

「シゴトでココロオドル人をふやす」というミッションを掲げ、シゴトSNSのWantedly（ウォンテッドリー）を展開しています。Wantedlyには、シゴト仲間とつながり、つながりを管理する機能や、自分のシゴトに関する情報をまとめておけるプロフィールページの他、会社に遊びにいける機能があります。

モバイル (WebP)



※ 2015/02/18 時点でAppStore, Google Play に申請中

通信帯域により取得サイズを変更

Quality	File Size
良い	100KB
悪い	25KB
すごく悪い	6KB (16分の1)

37 of 45

20,640 views

iOS 通信のパフォーマンス改善 ・ iOSオールスターズ登壇資料

Youhei Sugigami (4 SlideShares) , エンジニア at Wantedly
+ Follow

nginx_small_light 導入の経緯

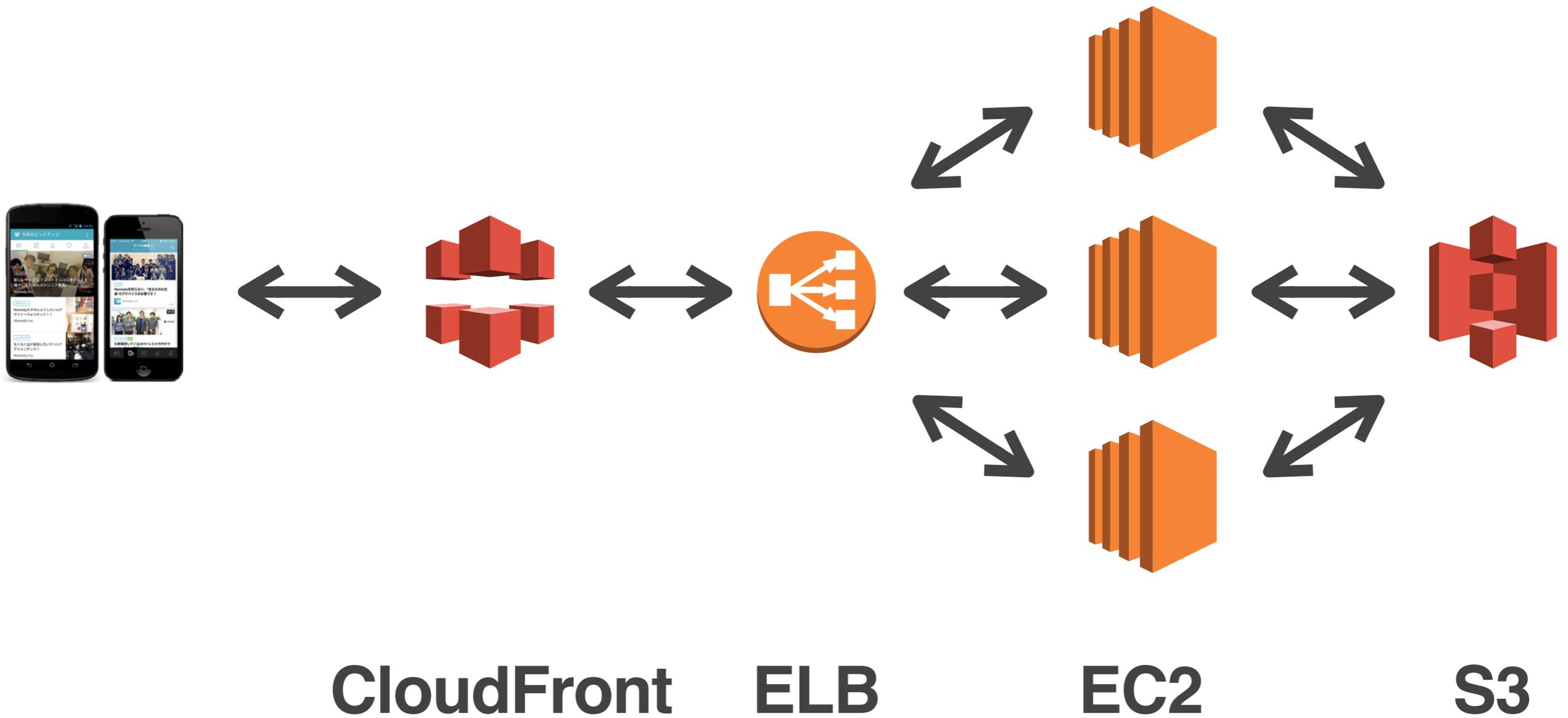
- バックグラウンドジョブ
- 時間かかる
- 動的にリサイズしたい

WebP 導入の経緯

- **Wantedly 海外進出**
- **ネットワーク環境の違い**
- **通信量の改善**
- **モバイルチームの支援**

サーバ構成

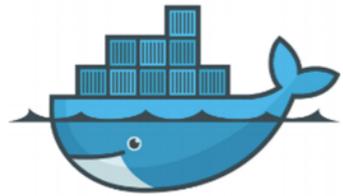
NGINX IMAGE SERVER



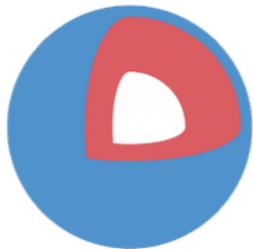
サーバ構成



Nginx コンテナ



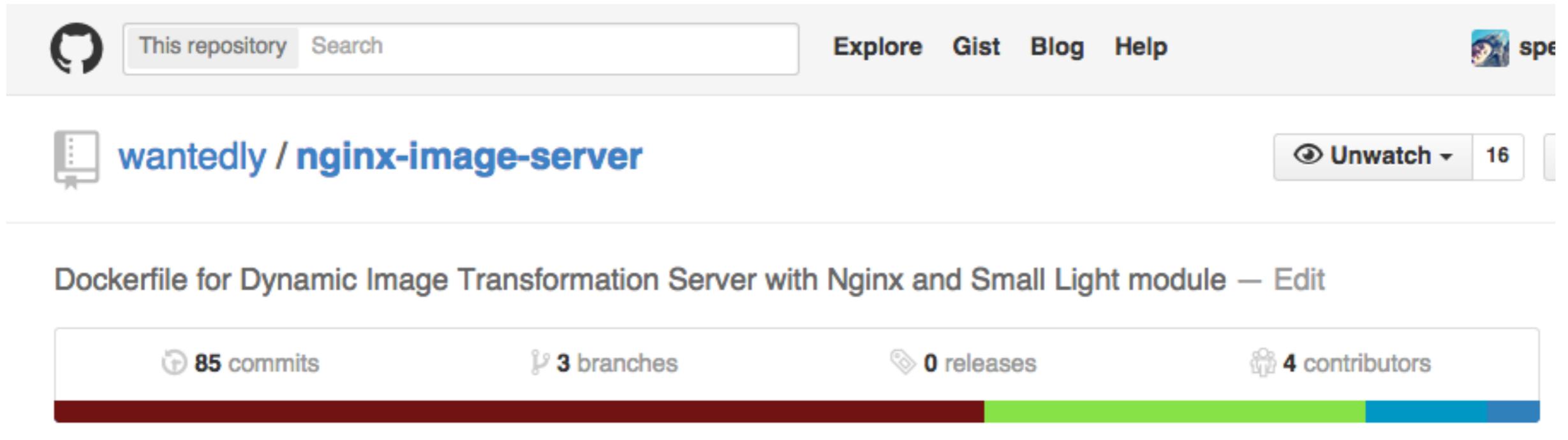
Docker デーモン



CoreOS サーバ

画像サーバの構築と運用

GitHub Flow



1. Vagrant で CoreOS VM の起動
2. Dockerfile や nginx.conf の編集
3. ビルドとテスト
4. Pull Request

コンテナのCI (infrataster)

The screenshot shows the Wercker CI interface for a build. The browser window title is "wercker". The breadcrumb navigation is "HOME / APPS / WANTEDLY / NGINX-IMAGE-SERVER / #2FEDDF5". A green banner at the top indicates "Build passed on 1 nginx_small_light-v0.6.4" with a "Deploy to" button. Below this, it says "BY SPESNOVA, ABOUT A MONTH AGO" and "TOTAL TIME OF 17 MIN 27 SEC". The "Commit" section shows a commit with message "#2feddf5 Use nginx_small_light v0.6.4 to fix semaphore error" and a link to a GitHub pull request. The "Build steps" section lists four steps, all successful: "get code" (0 sec), "setup environment" (1 min 9 sec), "environment variables" (2 sec), and "Check docker version" (1 sec). A help icon is visible in the bottom right corner.

wercker

HOME / APPS / WANTEDLY / NGINX-IMAGE-SERVER / #2FEDDF5

✓ Build passed on 1 nginx_small_light-v0.6.4 [Deploy to](#)

BY SPESNOVA, ABOUT A MONTH AGO ⌚ TOTAL TIME OF 17 MIN 27 SEC

Commit [View changes »](#)

#2feddf5 Use nginx_small_light v0.6.4 to fix semaphore error
See https://github.com/cubicdaiya/nginx_small_light/pull/20 for more about
v0.6.4 - *Seigo Uchida*

Build steps [Refresh](#)

- ✓ get code 0 sec [Expand](#)
- ✓ setup environment 1 min 9 sec [Expand](#)
wercker-labs/docker defined in wercker.yml.
- ✓ environment variables 2 sec [Expand](#)
- ✓ Check docker version 1 sec [Expand](#)

?

Merge => Quay.io をフック

The screenshot shows a GitHub Pull Request interface for the repository 'wantedly/nginx-image-server'. The title of the pull request is 'Use ngx_small_light v0.6.4 #16'. It is marked as 'Merged' and was merged by 'awakia' on Jan 15. The pull request description includes a comment from 'spesnova' asking for a review, and a commit message 'Use ngx_small_light v0.6.4 to fix semaphore error'. The interface also shows navigation options like 'Conversation', 'Commits', and 'Files changed', along with repository statistics like 'Watch', 'Star', and 'Fork'.

GitHub

This repository Search

Explore Features Enterprise Blog

Sign up Sign In

wantedly / nginx-image-server

Watch 16 Star 31 Fork 0

Use ngx_small_light v0.6.4 #16

Merged awakia merged 1 commit into master from ngx_small_light-v0.6.4 on Jan 15

Conversation 2 Commits 1 Files changed 2 +2 -2

spesnova commented on Jan 15 Owner

WHY

To fix semaphore error
See [cubicdaiya/nginx_small_light#20](#) for more about v0.6.4 and the error.

Use ngx_small_light v0.6.4 to fix semaphore error 2feddf5

dtan4 was assigned by spesnova on Jan 15

spesnova commented on Jan 15 Owner

@dtan4 Please review this :)
CC: @awakia

awakia commented on Jan 15 Owner

Labels
None yet

Milestone
No milestone

Assignee
dtan4

3 participants

Quay.io で自動ビルド

The screenshot displays the Quay.io web interface for a repository named 'wantedly/nginx-image-server'. The page title is 'Build History'. A green button labeled '+ New Dockerfile Build' is visible in the top right corner. The main content area shows a list of build IDs on the left: e029f7c, cc42ae4 (selected), 21cf6a8, 977c7bb, and 8437459. A light blue box indicates the build was 'Triggered by: Push to GitHub repository wantedly/nginx-image-server'. Below this, a status bar shows 'Dockerfile build completed and pushed' with a 'Build Package' icon and 'Started: 15 days ago'. A large black box contains the build log, which includes the following steps and commands:

- Priming cache for build
- Pulling base image
- Building image from Dockerfile
 - FROM quay.io/wantedly/buildpack-deps:14.04
 - ENV NGINX_VERSION 1.6.2
 - ENV NGX_SMALL_LIGHT_VERSION 0.6.4
 - COPY files/nginx.conf /etc/nginx/nginx.conf
 - COPY files/mime.types /etc/nginx/mime.types
 - COPY files/validator.pm /opt/nginx/perl/lib/validator.pm
- Pushing image built from Dockerfile

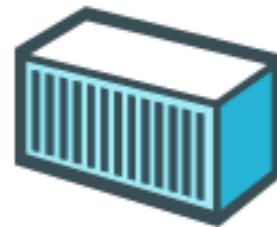
At the bottom left of the log area is a 'Run Build Again' button. At the bottom right, the 'Build ID: 08c0e4ca-19ac-47e7-a55b-e690c0ad4f9e' is displayed. The bottom of the page features a 'Contact us!' button with a plus sign.

デプロイ



Build

Develop an app using Docker containers with any language and any toolchain.



Ship

Ship the "Dockerized" app and dependencies anywhere - to QA, teammates, or the cloud - without breaking anything.

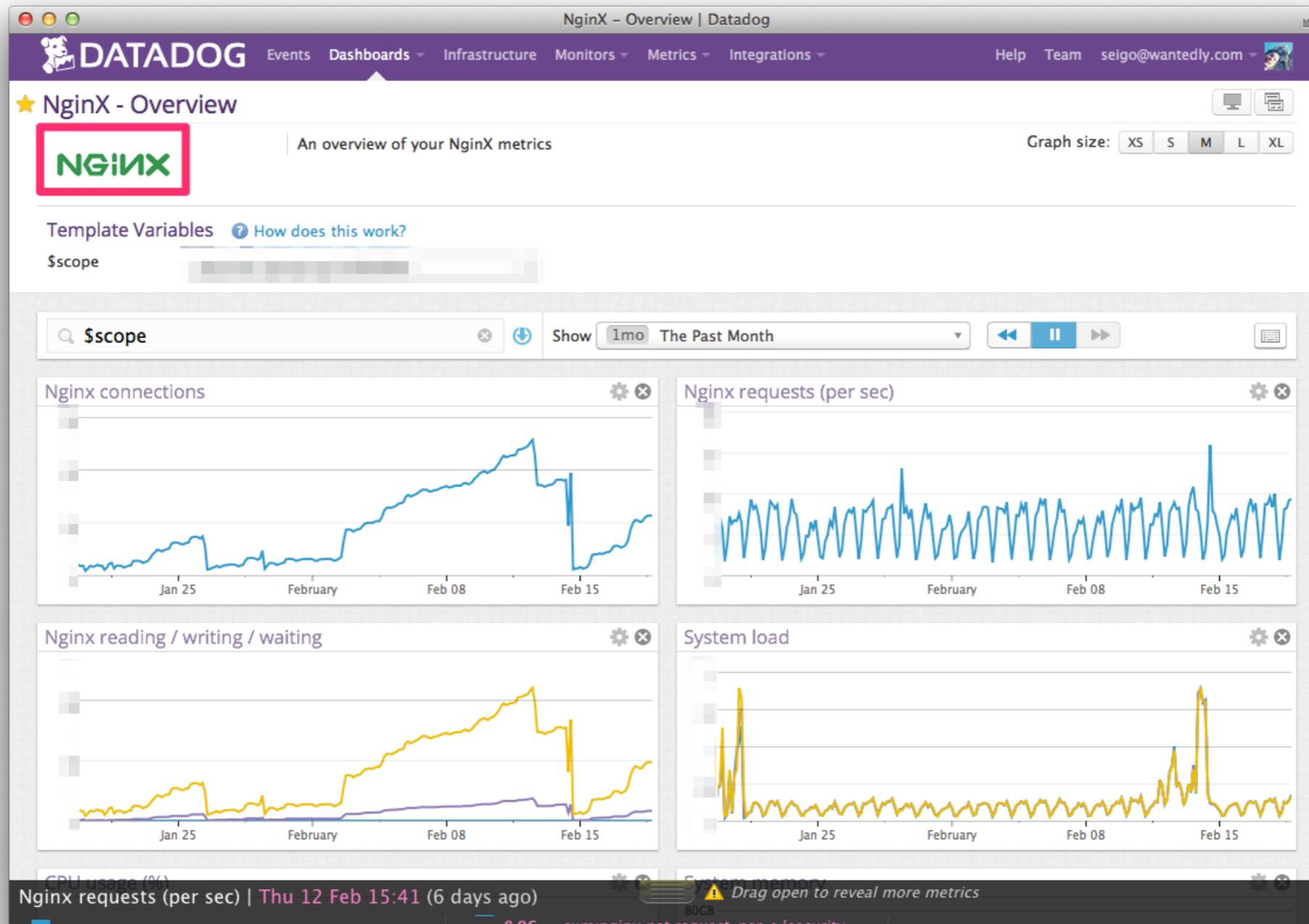


Run

Scale to 1000s of nodes, move between data centers and clouds, update with zero downtime and more.

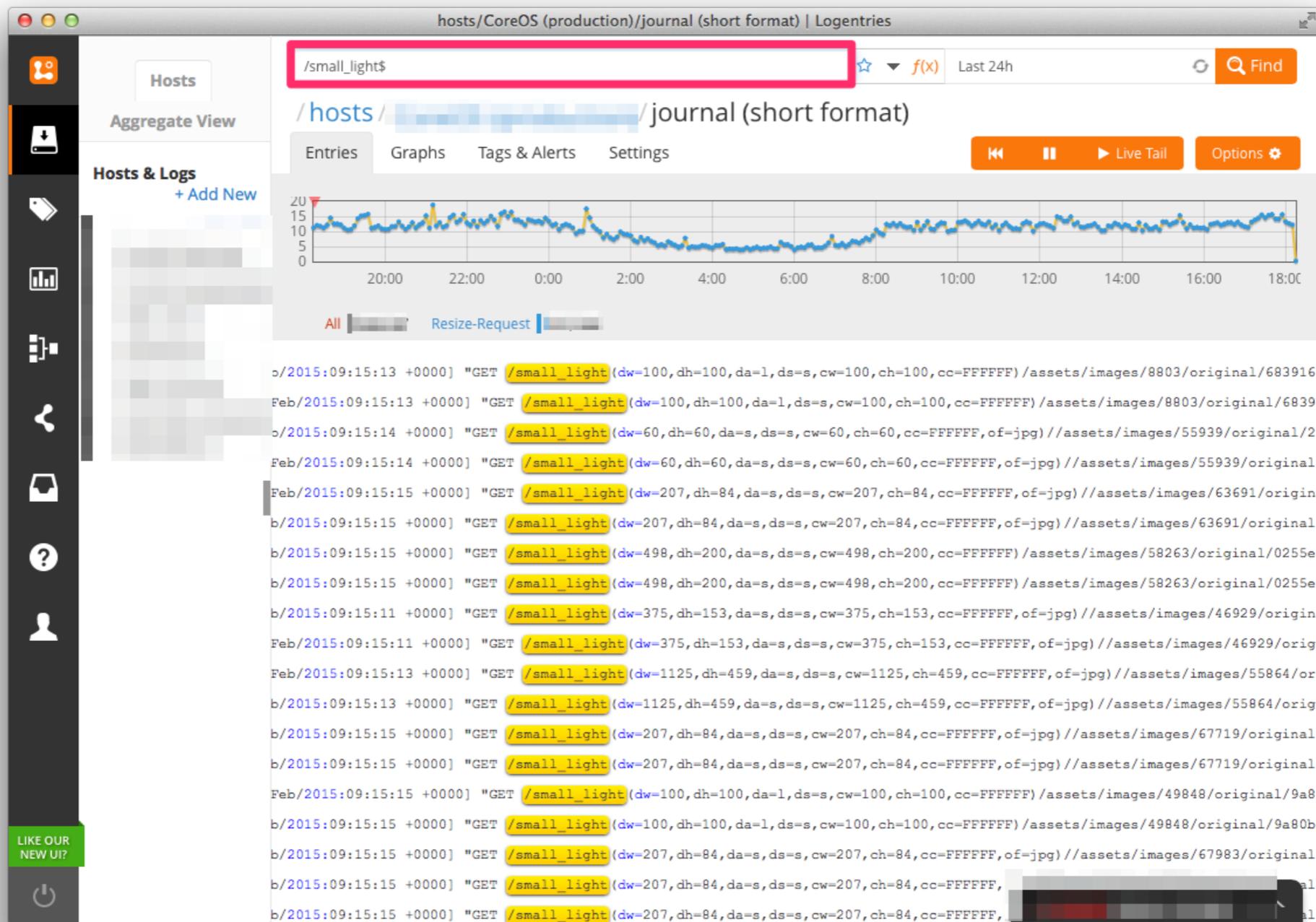
1. **CoreOS(EC2) インスタンスの追加**
2. **cloud-config でプロビジョニング**
3. **systemd unit としてコンテナが起動**
4. **古いインスタンスの削除**

モニタリング



Datadog で Docker/EC2/Nginx を見る

ログ



systemd **journal** を全て **Logentries** に送る
必要に応じてフィルタリングして見る

遭遇した問題

WebP の変換がおかしい

WebP の変換がおかしい



The screenshot shows a Twitter post from Issei Naruta (@mirakui) dated December 22, 2014, at 6:40 PM. The user's profile picture is a small robot character. The post text discusses ImageMagick's WebP conversion issues, mentioning version 6.8.x and improvements in 6.8.5, including memory leak fixes. A link to the ImageMagick changelog is provided. The post has 3 favorites and a 'Following' button is visible.

 **Issei Naruta**
@mirakui Following

@spesnova ImageMagick の ChangeLog 見ると分かるんですが、6.8.x でいろいろ webp まわりの改善があるので 6.8.5系には上げたほうがいいです。あとメモリリークの修正とかもあるので...
imagemagick.org/script/changel...

[View translation](#)

← ↻ ★ I ...

FAVORITES
3 

6:40 PM - 22 Dec 2014

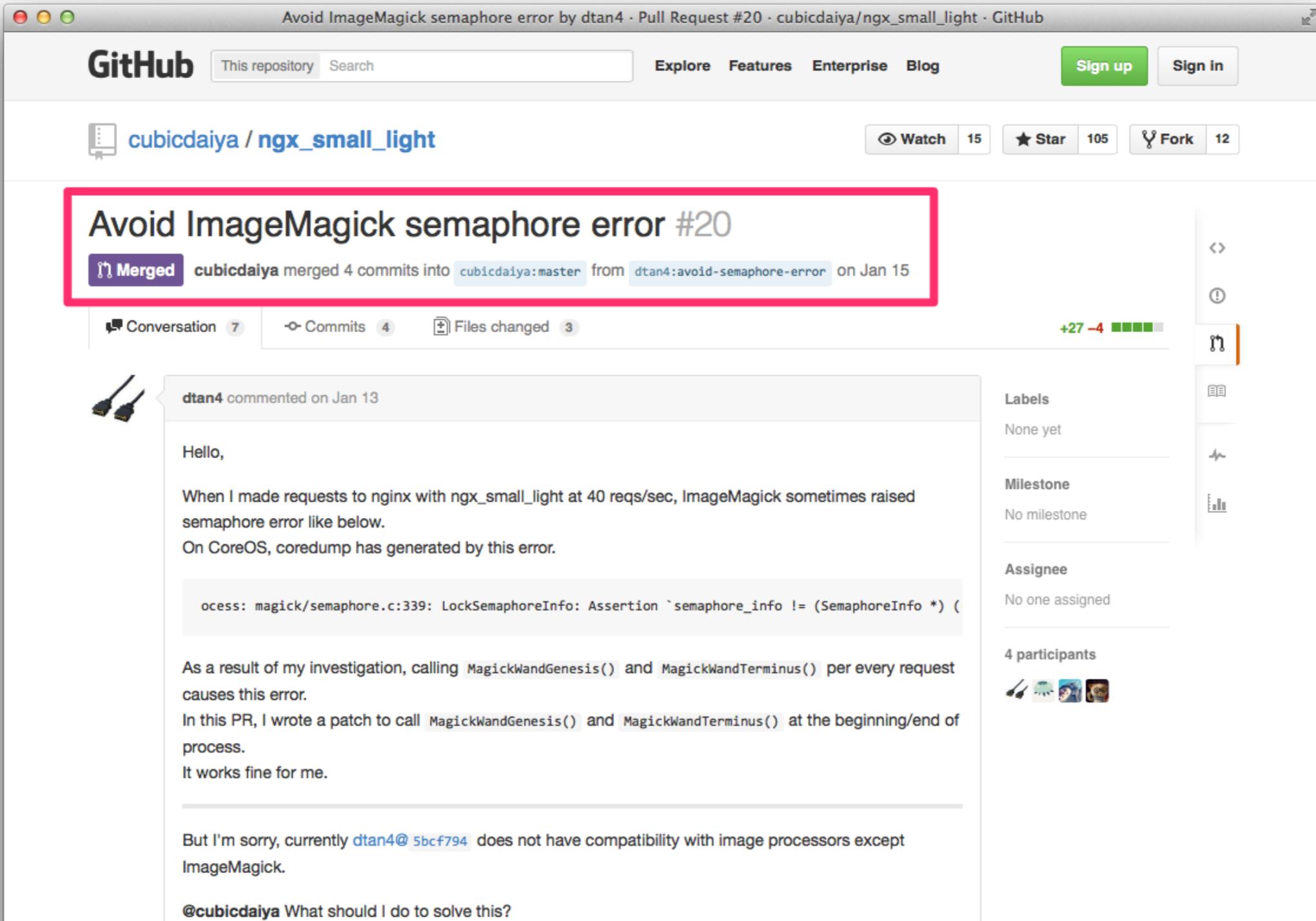
WebP の変換がおかしい

ImageMagick のバージョンが悪かった

⇒ ちゃんと **CHANGELOG** 見よう

nginx が coredump 吐く

Nginx が coredump 吐く



Avoid ImageMagick semaphore error by dtan4 · Pull Request #20 · cubicdaiya/nginx_small_light · GitHub

GitHub This repository Search Explore Features Enterprise Blog Sign up Sign In

cubicdaiya / ngx_small_light Watch 15 Star 105 Fork 12

Avoid ImageMagick semaphore error #20

Merged cubicdaiya merged 4 commits into cubicdaiya:master from dtan4:avoid-semaphore-error on Jan 15

Conversation 7 Commits 4 Files changed 3 +27 -4

dtan4 commented on Jan 13

Hello,

When I made requests to nginx with ngx_small_light at 40 reqs/sec, ImageMagick sometimes raised semaphore error like below.
On CoreOS, coredump has generated by this error.

```
rocess: magick/semaphore.c:339: LockSemaphoreInfo: Assertion `semaphore_info != (SemaphoreInfo *) (
```

As a result of my investigation, calling `MagickWandGenesis()` and `MagickWandTerminus()` per every request causes this error.
In this PR, I wrote a patch to call `MagickWandGenesis()` and `MagickWandTerminus()` at the beginning/end of process.
It works fine for me.

But I'm sorry, currently dtan4@5bcf794 does not have compatibility with image processors except ImageMagick.

@cubicdaiya What should I do to solve this?

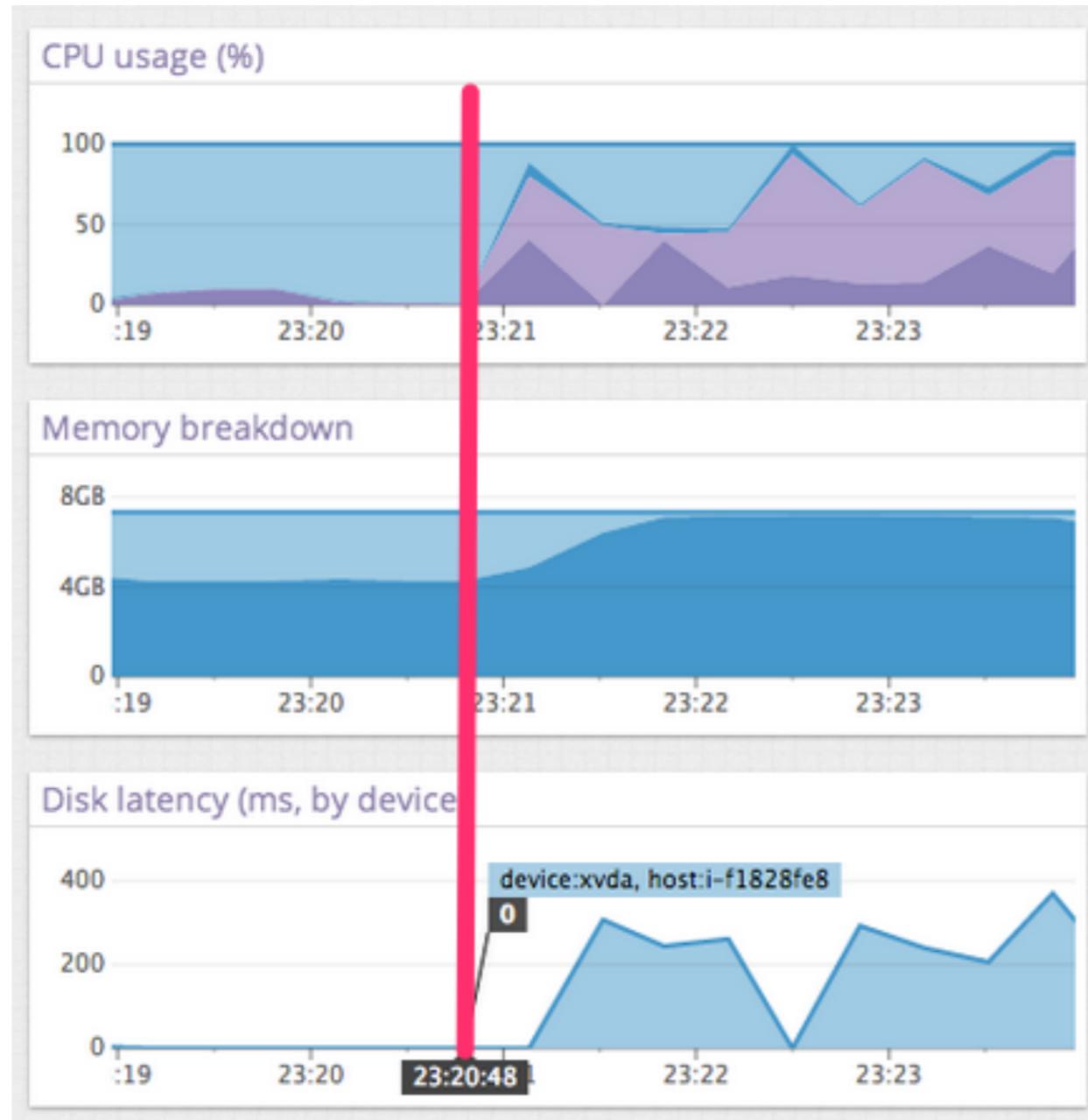
Labels: None yet
Milestone: No milestone
Assignee: No one assigned
4 participants

nginx が coredump 吐く

nginx-image-serve の ImageMagick 初期化
のタイミングの問題だった

⇒ ユーザ **フィードバック** する

Nginx が異常に高負荷になる



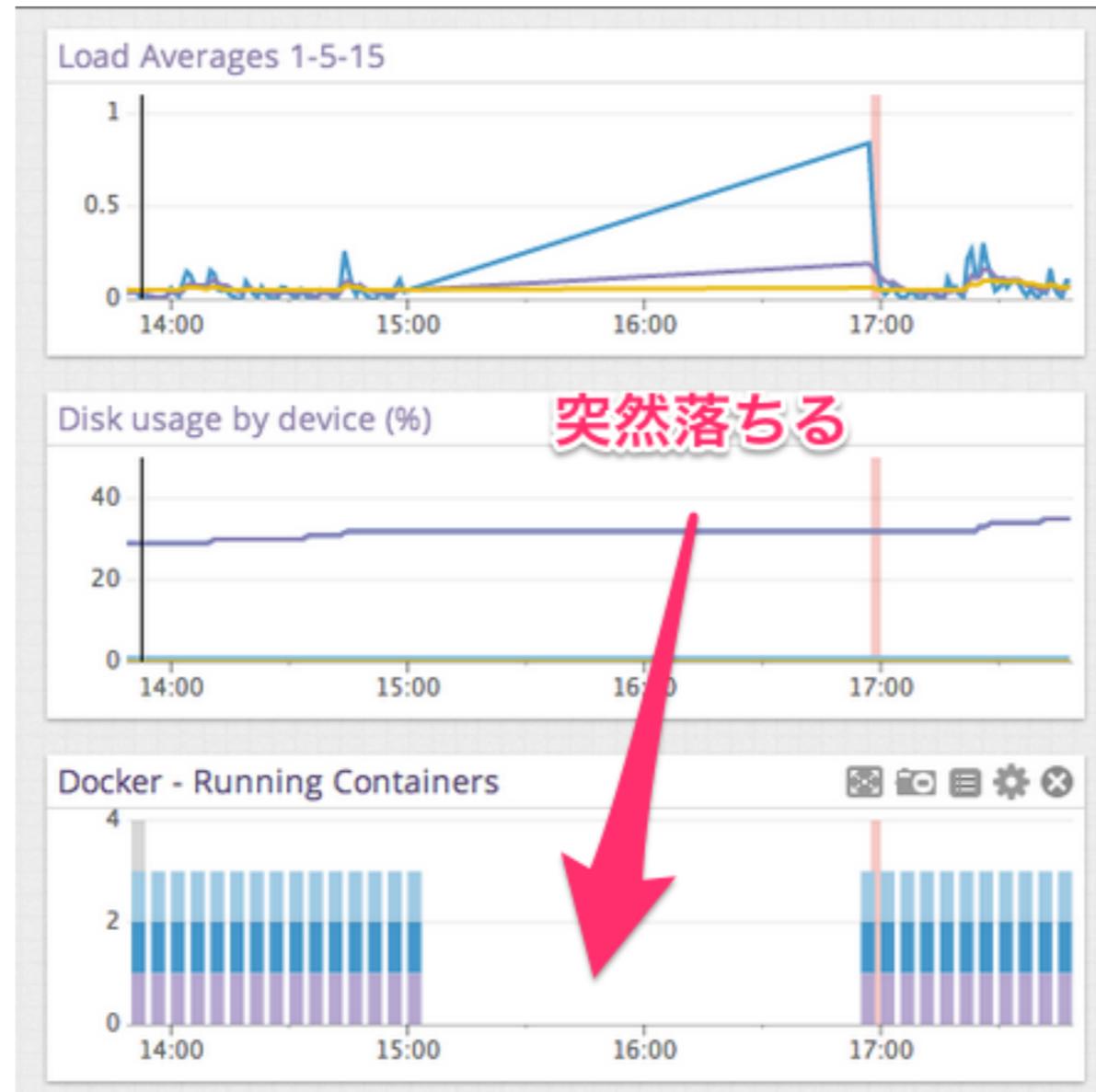
Nginx が異常に高負荷になる

異常に大きいサイズがリクエストされてた

⇒ 画像サーバ側でサイズ制限した

⇒ ログとサーバメトリクス同時に見る

AWS 上で CoreOS がクラッシュ



AWS 上で CoreOS がクラッシュ

The screenshot shows a GitHub issue page for the repository 'coreos/bugs'. The issue title is 'CoreOS crash on AWS with (many versions) #204', which is highlighted with a red box. The issue is marked as 'Closed' and was opened by 'jonboulle' on Dec 11, 2014, with 65 comments. The issue description, also by 'jonboulle', describes a problem with CoreOS 444.5.0 stable on EC2 instances, where cluster machines randomly crash. A log snippet is provided: "ERROR reconcile.go:58: Unable to determine agent's desired state: timeout reached". The issue is labeled 'bug' and 'os'. The right sidebar shows 23 watchers, 18 stars, and 5 forks. There are 12 participants listed at the bottom of the sidebar.

GitHub

This repository Search

Explore Features Enterprise Blog

Sign up Sign In

coreos / bugs

Watch 23 Star 18 Fork 5

New Issue

CoreOS crash on AWS with (many versions) #204

Closed jonboulle opened this issue on Dec 11, 2014 · 65 comments

jonboulle commented on Dec 11, 2014 Owner

From @i0n on October 30, 2014 11:23

Hey there chaps. Experiencing some very strange behaviour using CoreOS 444.5.0 stable on ec2. Cluster boots fine and I am able to schedule services with fleet (which come up and start working), but then after a random length of time machines in the cluster will crash forcing me to restart the VM in question to recover. Only clue in the logs is:

"ERROR reconcile.go:58: Unable to determine agent's desired state: timeout reached"

Has anyone else run into this? I have raised this as a fleet issue as the log hints at that, but I guess it could be etcd?

Copied from original issue: [coreos/fleet#1017](#)

Labels

bug

os

Milestone

No milestone

Assignee

No one assigned

12 participants

jonboulle commented on Dec 11, 2014 Owner

From @bcwaldon on October 30, 2014 15:40

@i0n What do you mean by "machines in the cluster will crash"? Are your VMs just going away? Are services crashing? Any info in dmesg?

AWS 上で CoreOS がクラッシュ

kernel のバグだった

⇒ **継続的なOSのアップデート**

まとめ

まとめ

- `ngx_small_light` 重宝しています！
- `ngx_http_secure_link_module` 導入したい
- ImageMagick のビルド、一度動いたらイメージに焼いてしまいたい
- Docker で全部同じフローでデプロイできる