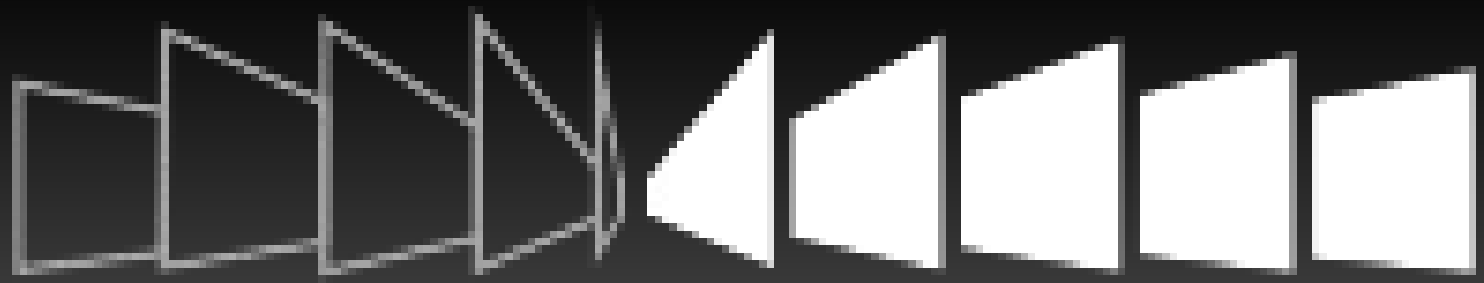

OPENSHIFT™

PaaS by Red Hat® Cloud

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Red Hat, Inc.

October 27, 2011

What Is

OpenShift

???

OpenShift is designed for anyone that develops and/or uses web applications.

SOURCE

BUILD

CERTIFY

DISTRIBUTE

INFRASTRUCTURE

PROVISION

SECURE

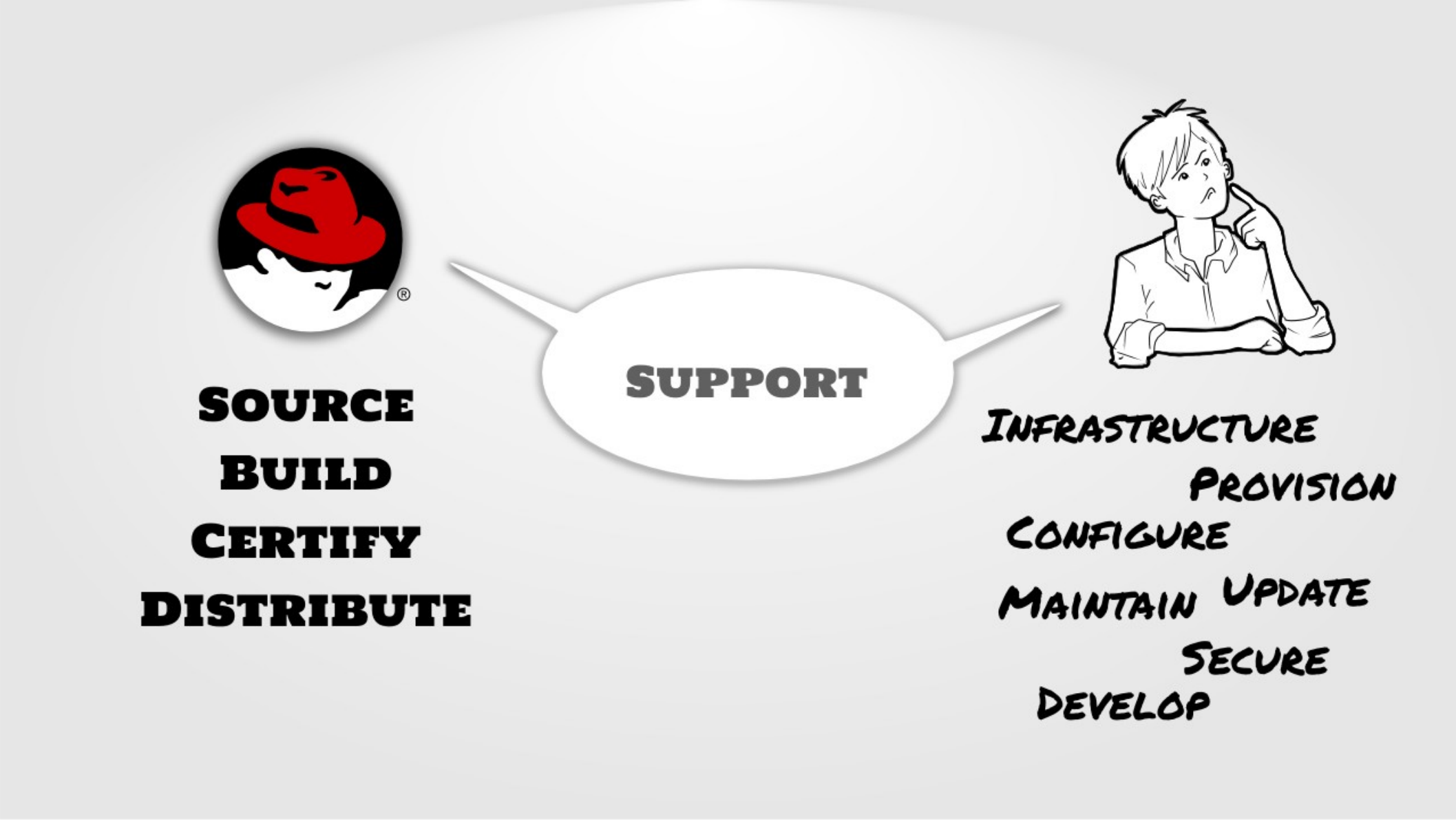
MAINTAIN

DEVELOP

CONFIGURE

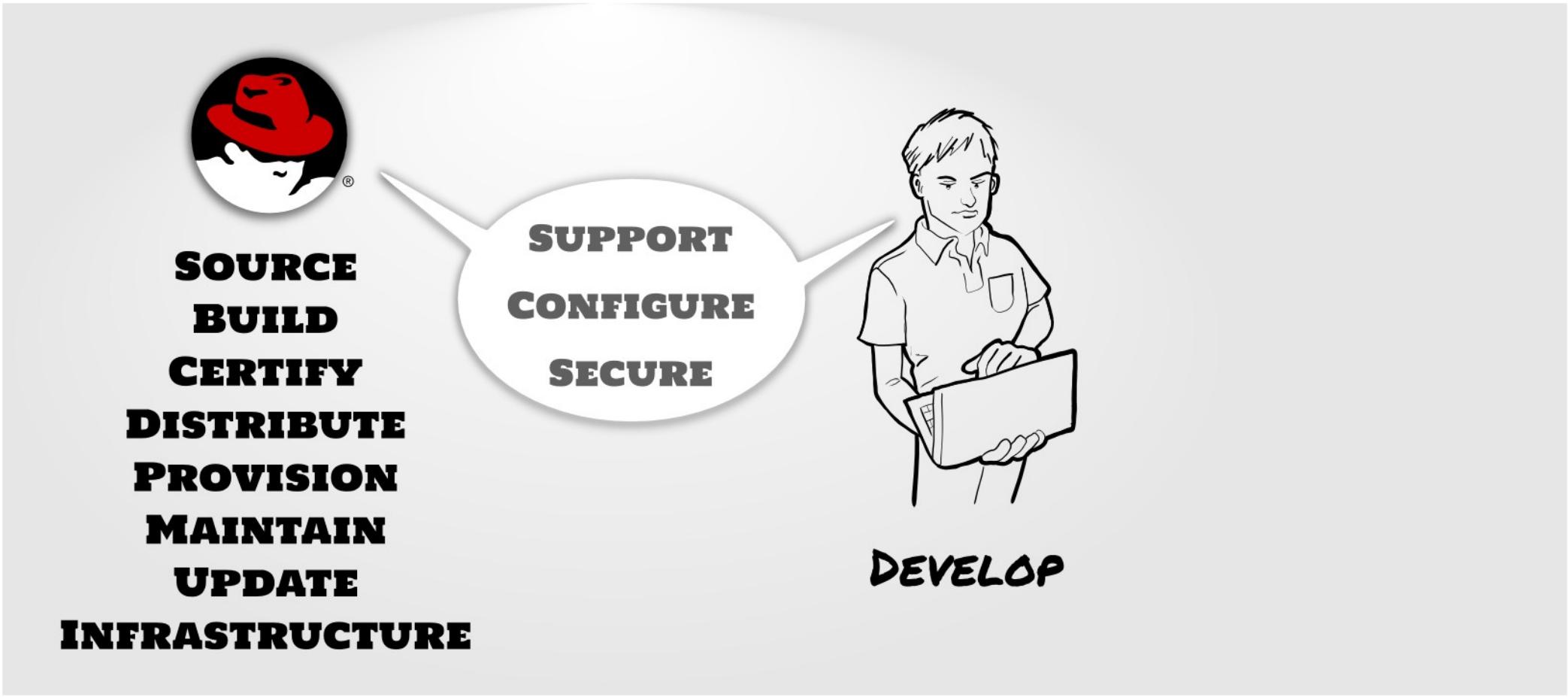
UPDATE

As you create and deploy your web site and applications things get complicated.
It seems that working on your application is the least of your worries.



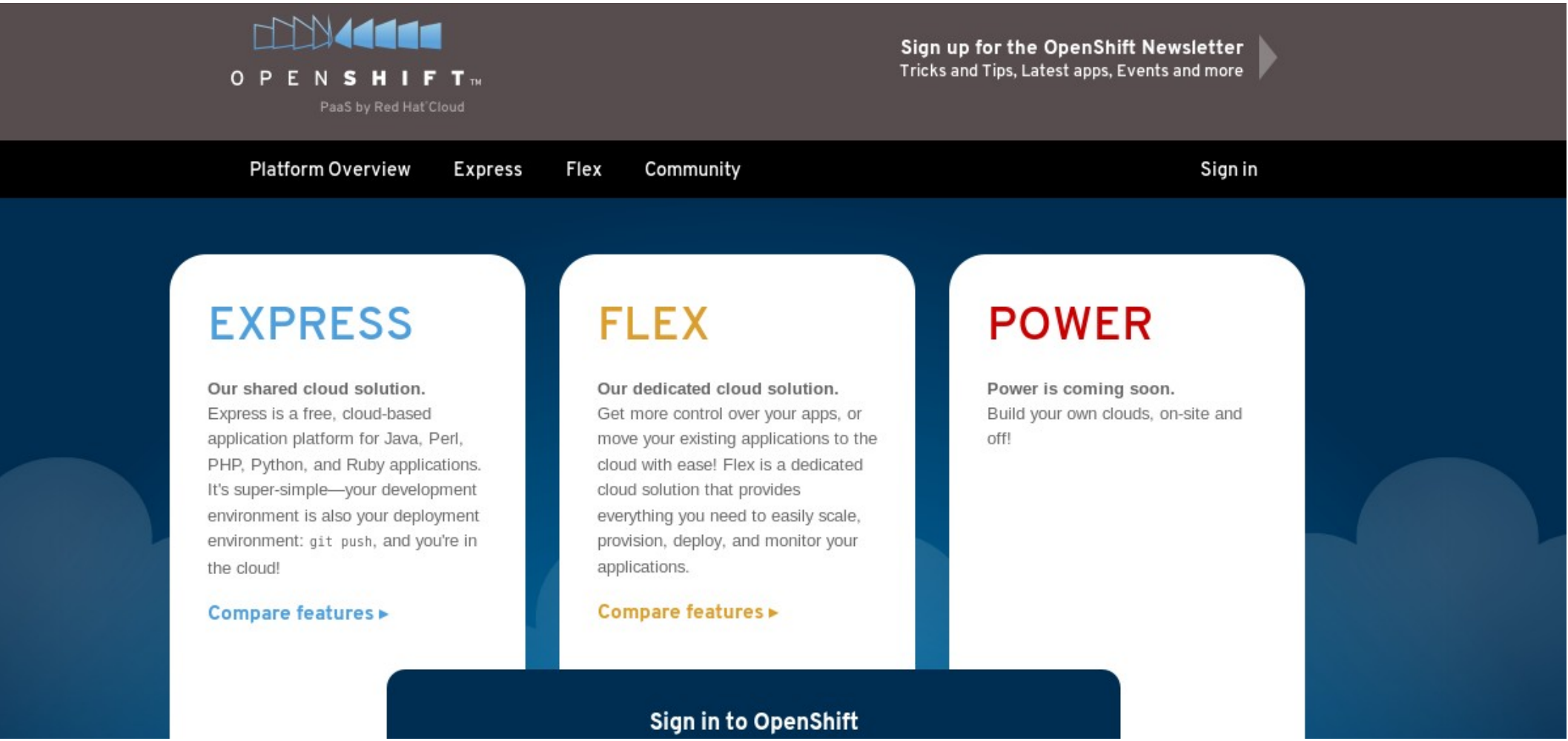
Using the RHEL infrastucture, Red Hat can take care of some of the worries.

But can it be easier?



With OpenShift, Red Hat has taken all the complexity out of creating and deploying Web applications.
All you have to do it worry about the code and the content.
OpenShift takes care of all the rest.

You do what you do best.
Leave the rest to us.



https://openshift.redhat.com/app/platform

DEMO

The easiest way to show OpenShift is to demonstrate it.
I will do two demonstartions.
One for OpenShift Express.
One for OpenShift Flex

OpenShift Express

take the Express to quickly create your application

http://drupal-yortnoswad.rhcloud.com/

Here are the steps I will be doing in my demonstation

```
# First get rid of my last demo application
rhc-ctl-app -a drupal -c destroy
rm -rf drupal/

# Create a new php based application
rhc-create-app -a drupal -t php-5.3

# Now do some basic change to show how easy it is to change
cd drupal/
vi php/index.php
git commit -m "I made my mark" php/index.php
git push
```

OpenShift Express

take the Express to quickly create your application

http://drupal-yortnoswad.rhcloud.com/
https://github.com/openshift
https://github.com/openshift/drupal-example

Here are the steps I will be doing in my demonstation

Now let's make this a drupal application
First we need a mysql database
rhc-ctl-app -a drupal -e add-mysql-5.1

And now we are putting in drupal
git remote add upstream -m master git://github.com/openshift/drupal-example.git
git pull -s recursive -X theirs upstream master
git push

OpenShift Express

take the Express to quickly create your application

http://drupal-yortnoswad.rhcloud.com/

Here are the steps I will be doing in my demonstation

```
# I have a couple of themese that I want for my drupal instance
# Go to the theme directory
cd php/themes/

# Put in my themes
tar xvfz ../../../theme/zen-7.x-3.1.tar.gz
tar xvfz ../../../theme/mayo-7.x-1.1.tar.gz

# Tell git about my themes and push them up
git add zen
git add mayo
git commit -a -m "adding themese"
git push
```

OpenShift Flex

The Flexibility you need for Enterprise Applications

http://hepix1047242611.prod.rhcloud.com/seam-booking/

The demonstation isn’t really at that site.
But I need some nice traffic patterns to really show off the OpenShift Flex console.
So please go to that site and poke around a bit

References:

https://openshift.redhat.com/

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https://github.com/openshift

https://github.com/openshift/drupal-example

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