

O P E N S H I F T <sup>TM</sup>

PaaS by Red Hat® Cloud

**Troy Dawson**

Red Hat, Inc.

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# 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.





**SOURCE  
BUILD  
CERTIFY  
DISTRIBUTE**



*INFRASTRUCTURE  
PROVISION  
CONFIGURE  
MAINTAIN UPDATE  
SECURE  
DEVELOP*

Using the RHEL infrastructure, Red Hat can take care of some of the worries.  
**But can it be easier?**





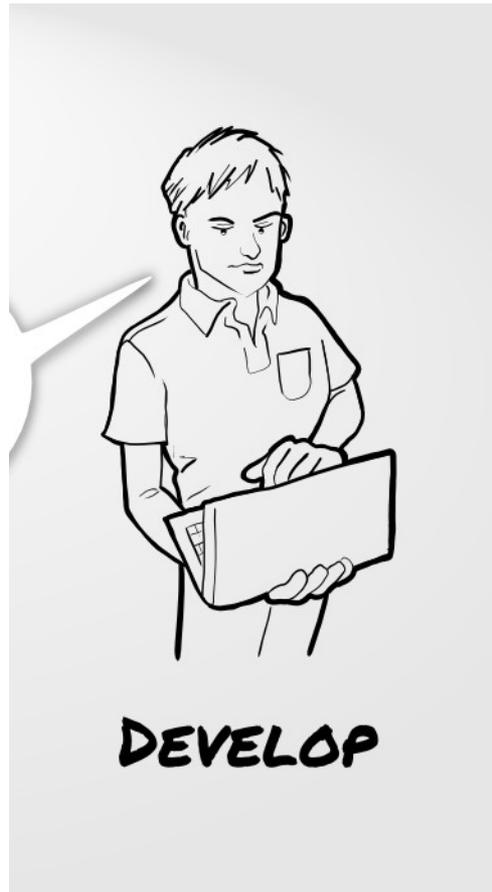
**SOURCE  
BUILD  
CERTIFY  
DISTRIBUTE  
PROVISION  
MAINTAIN  
UPDATE  
INFRASTRUCTURE**

**SUPPORT  
CONFIGURE  
SECURE**



**DEVELOP**

With OpenShift, Red Hat has taken all the complexity out of creating and deploying Web applications. All you have to do is 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.**

## EXPRESS

**Our shared cloud solution.**

Express is a free, cloud-based application platform for Java, Perl, PHP, Python, and Ruby applications. It's super-simple—your development environment is also your deployment environment: `git push`, and you're in the cloud!

[Compare features >](#)

## FLEX

**Our dedicated cloud solution.**

Get more control over your apps, or move your existing applications to the cloud with ease! Flex is a dedicated cloud solution that provides everything you need to easily scale, provision, deploy, and monitor your applications.

[Compare features >](#)

## POWER

**Power is coming soon.**

Build your own clouds, on-site and off!

[Sign in to OpenShift](#)

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

# DEMO

The easiest way to show OpenShift is to demonstrate it.

I will do two demonstrations.

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 demonstration**

# 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 demonstration**

# 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 demonstration**

# I have a couple of themes 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 demonstration 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/>

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

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

<https://github.com/openshift>

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

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