CHAPTER 1

TinyBlog: Deploy

1.1 Previous Week Solution

You can load the full TinyBlog application using the following snippet:

```
Metacello new
    smalltalkhubUser: 'PharoMooc' project: 'TinyBlog';
   configuration: 'TinyBlog';
    load
```

To test it, you should launch the Seaside HTTP server:

```
ZnZincServerAdaptor startOn: 8080.
```

You might also want some initial posts:

```
TBBlog reset ; createDemoPosts
```

You can now complete or finish **your** application and commit it in your Smalltalkhub repository.

1.2 Deploy in the Cloud

Now that you have finished to develop your blog web application, we will see how to deploy it on a server in the cloud.

If you want to deploy your application on your own server, we encourage you to read the last chapter of the book ”Enterprise Pharo: a Web Perspective” (http://books.pharo.org).

In this tutorial, we will describe a simpler solution provided by PharoCloud (http://pharocloud.com).

PharoCloud Hosting

PharoCloud is a hosting service dedicated to Pharo web applications that offers a free testing plan (ephemeric cloud subscription).

Set-up your PharoCloud account:

- Create an account on http://pharocloud.com
- Activate your account
- Connect
- Activate your "Ephemeric Cloud" to obtain an **API User ID** and an **API Auth Token**
- Click on "Open Cloud Client" and log in using the above credentials
- Once connected, you should see a page allowing you to upload an archive file (zip) with two files: a Pharo image and its changes file

Preparing Pharo image to Deploy on PharoCloud

Currently, PharoCloud only supports Pharo 4 images.

So, download a Pharo Web 4 image[1]. You should also download a virtual machine for Pharo 4 images[2]. Then, launch this image using this VM and we will configure it.

Let's strat by configuring Seaside by removing all demo applications and all development tools:

```
"Seaside Deployment configuration"
WAAdmin clearAll.
WAAdmin applicationDefaults removeParent: WADevelopmentConfiguration
     instance.
WAFileHandler default: WAFileHandler new.
WAFileHandler default
    preferenceAt: #fileHandlerListingClass
    put: WAHtmlFileHandlerListing.
WAAdmin defaultDispatcher
    register: WAFileHandler default
    at: 'files'.
```

Now, you can load the TinyBlog application:

```
"Load TinyBlog"
Gofer new
   smalltalkhubUser: 'PharoMooc' project: 'TinyBlog';
   package: 'ConfigurationOfTinyBlog';
```

[1] https://ci.inria.fr/pharo-contribution/job/PharoWeb/PHARO=40,VERSION=stable,VM=vm/lastSuccessfulBuild/artifact/PharoWeb.zip

[2] http://get.pharo.org/vm40

```
   load.
#ConfigurationOfTinyBlog asClass loadFinalApp.

"Create Demo posts if needed"
#TBBlog asClass createDemoPosts.
```

or **your** application directly from your Smalltalkhub code repository:

```
"Load TinyBlog"
Gofer new
   smalltalkhubUser: 'XXXX' project: 'TinyBlog';
   package: 'TinyBlog';
   load.

"Create Demo posts if needed"
#TBBlog asClass createDemoPosts.
```

We now configure Seaside to use TinyBlog as the default application and we launch the HTTP server.

```
"Tell Seaside to use TinyBlog as default app"
WADispatcher default defaultName: 'TinyBlog'.

"Start HTTP server"
ZnZincServerAdaptor startOn: 8080.

"Register TinyBlog on Seaside"
TBApplicationRootComponent initialize.
```

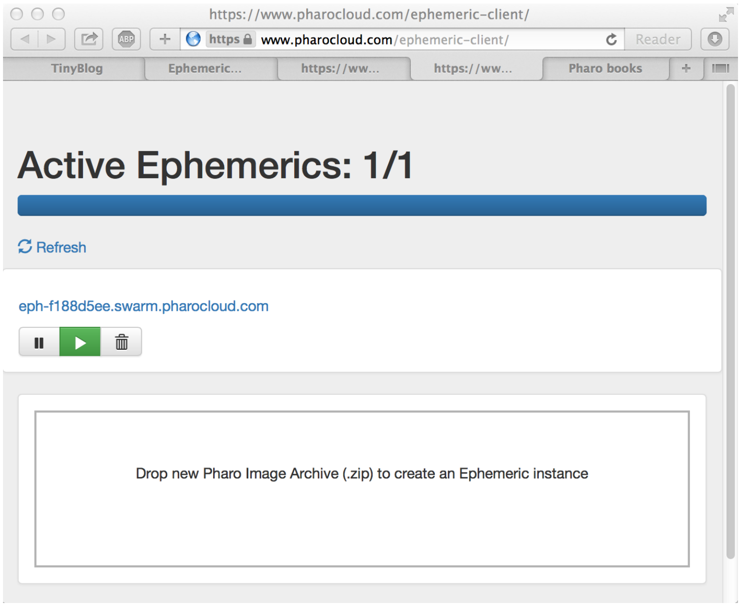
You can now save the Pharo image (World Menu > save) and test locally with a web browser on the URL: http://localhost:8080.

Deploy on Ephemeric Cloud of PharoCloud

You just need to create an archive (zip file) containing both the `PharoWeb.image` and `PharoWeb.changes`.

Then, drag'n drop this archive file on the Ephemeric Cloud web page and activate this Pharo image (play button) as shown in figure 1.1.

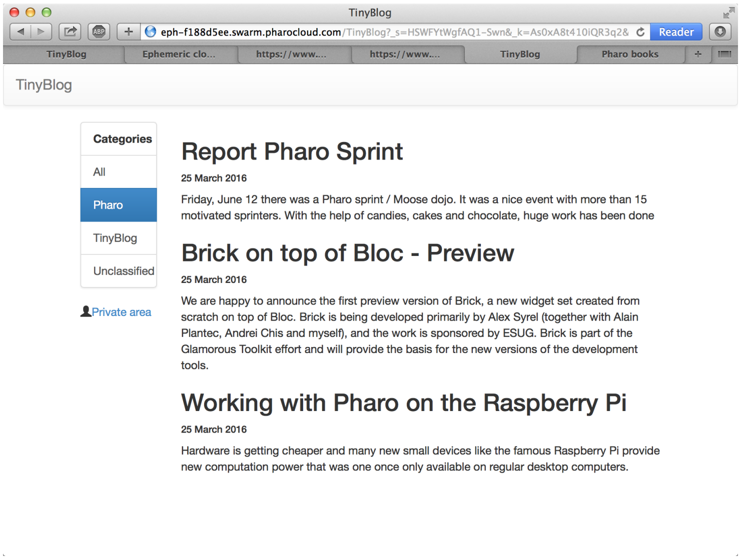
If you click on the public URL provided Ephemeric Cloud, you should see your web application as displayed on figure 1.2.


https://www.pharocloud.com/ephemeric-client/
TinyBlog
Ephemeric...
Pharo books
Refresh
eph-f188d5ee.swarm.pharocloud.com

Active Ephemerics: 1/1

Drop new Pharo Image Archive (.zip) to create an Ephemeric instance

Figure 1.1 Managing Pharo images on Ephemeric Cloud.


TinyBlog
eph-f188d5ee.swarm.pharocloud.com/TinyBlog?_s=HSWFYtWgfAQ1-Swn&_k=As0xA8t410iQR3q2&
Reader
Categories
All
Pharo
TinyBlog
Unclassified
Private area

Report Pharo Sprint

25 March 2016

Friday, June 12 there was a Pharo sprint / Moose dojo. It was a nice event with more than 15 motivated sprinters. With the help of candies, cakes and chocolate, huge work has been done

Brick on top of Bloc - Preview

25 March 2016

We are happy to announce the first preview version of Brick, a new widget set created from scratch on top of Bloc. Brick is being developed primarily by Alex Syrel (together with Alain Plantec, Andrei Chis and myself), and the work is sponsored by ESUG. Brick is part of the Glamorous Toolkit effort and will provide the basis for the new versions of the development tools.

Working with Pharo on the Raspberry Pi

25 March 2016

Hardware is getting cheaper and many new small devices like the famous Raspberry Pi provide new computation power that was one once only available on regular desktop computers.

Figure 1.2 Your TinyBlog Application Hosted on PharoCloud.