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JBUG:Scotland

World Cup Sweepstake, OpenShift and Tottenham v Man City



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Application & PHP

The screenshot shows the OpenShift console interface for creating a new application. The browser address bar shows the URL: `https://openshift.redhat.com/app/console/application_type/console.php-5.3`. The page has a progress indicator with three steps: 1. Choose a type of application (active), 2. Configure the application, and 3. Next steps.

The main content area is titled "Based On" and shows the selected application type: "PHP 5.3 Cartridge". Below this, there is a description of PHP, a link to the PHP website, and a note that it is OpenShift-maintained.

The "Public URL" section contains a text input field with the value "http:// worldcupswepstake -neilsrnd.rhcloud.com". Below this is a note that OpenShift will automatically register the domain name.

The "Source Code" section has a text input field with the value "Optional URL to a Git repository" and a dropdown menu set to "branch 'master'". Below this is a note explaining that OpenShift will create a Git repository in the cloud.

The "Gears" section shows the selected gear size: "Small". Below this is a note explaining that gears are application containers.

The "Cartridges" section shows the selected cartridge: "PHP 5.3". Below this is a note explaining that applications are composed of cartridges.

The "Scaling" section has a dropdown menu set to "No scaling". Below this is a note explaining that OpenShift automatically routes web requests.

At the bottom of the form, there are three buttons: "Back", "Create Application", and "+1 @".

Application Cartridges

The screenshot shows the OpenShift Online web interface. At the top, there's a navigation bar with 'Applications', 'Settings', and 'Help'. The main content area displays details for an application named 'worldcupswepstake-neilsmnd.rhcloud.com', which is in a 'Started' state. Below this, there's a 'Cartridges' section with a table listing installed components:

Cartridge	Status	Quota	Storage
PHP 5.3	Started	1 small	1 GB
MySQL 5.1			Database: worldcupswepstake User: adminY5Qm9q Password: show
phpMyAdmin 4.0			

To the right of the table, there's a 'Source Code' section with an SSH URL and a 'Remote Access' section with a 'Delete this application...' button. At the bottom of the console, the Red Hat logo and 'Copyright © 2014 Red Hat, Inc.' are visible.

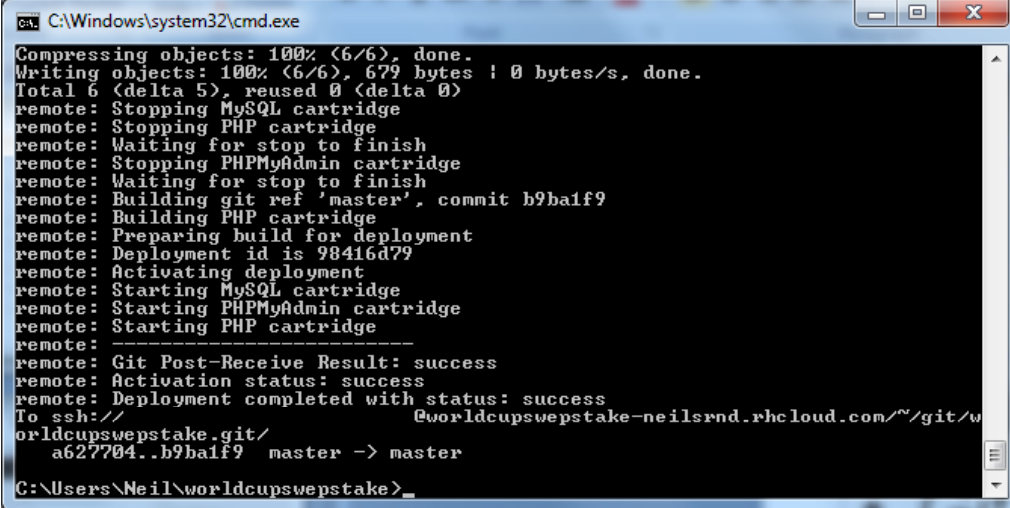
MySQL & PHPMyAdmin

The screenshot shows the PHPMyAdmin web interface. The left sidebar displays a tree view of databases and tables, including 'worldcupswepstake' with tables like 'country', 'manager', and 'venue'. The main content area shows the 'country' table selected. A SQL query is entered: `SELECT * FROM 'country' LIMIT 0, 30`. Below the query, a table of data is displayed with columns: id, name, code, ranked, continent, group_id, dummy_name, and manager. The table contains 20 rows of data, including countries like Brazil, Croatia, Mexico, Cameroon, Spain, Netherlands, Chile, Australia, Colombia, Greece, Ivory Coast, Japan, Uruguay, Costa Rica, England, Italy, Switzerland, Ecuador, and France.

id	name	code	ranked	continent	group_id	dummy_name	manager
1	Brazil	BRA	10	5	1	0	Luz Felipe Scolari
2	Croatia	CRO	16	1	1	0	Niko Kovac
3	Mexico	MEX	21	4	1	0	Miguel Herrera
4	Cameroon	CMR	50	6	1	0	Volker Finke
5	Spain	ESP	1	1	2	0	Vicente del Bosque
6	Netherlands	NED	5	1	2	0	Louis Van Gaal
7	Chile	CH	15	5	2	0	Jorge Sampaoli
8	Australia	AUS	56	2	2	0	Ange Postecoglou
9	Colombia	COL	4	6	3	0	Jose Pekerman
10	Greece	GRE	12	1	3	0	Fernando Santos
11	Ivory Coast	CIV	17	6	3	0	Sabri Lamouchi
12	Japan	JPN	48	2	3	0	Alberto Zaccheroni
13	Uruguay	URU	6	5	4	0	Oscar Washington Tabarez
14	Costa Rica	CRC	32	4	4	0	Jorge Luis Pinto
15	England	ENG	13	1	4	0	Roy Hodgson
16	Italy	ITA	7	1	4	0	Cesare Prandelli
17	Switzerland	SUI	8	1	5	0	Ottmar Hitzfeld
18	Ecuador	ECU	23	5	5	0	Rainald Rodriguez
19	France	FRA	20	1	5	0	Didier Deschamps
20	Honduras	HON	43	1	6	0	Luz Fernando Suarez

Local Dev Environment

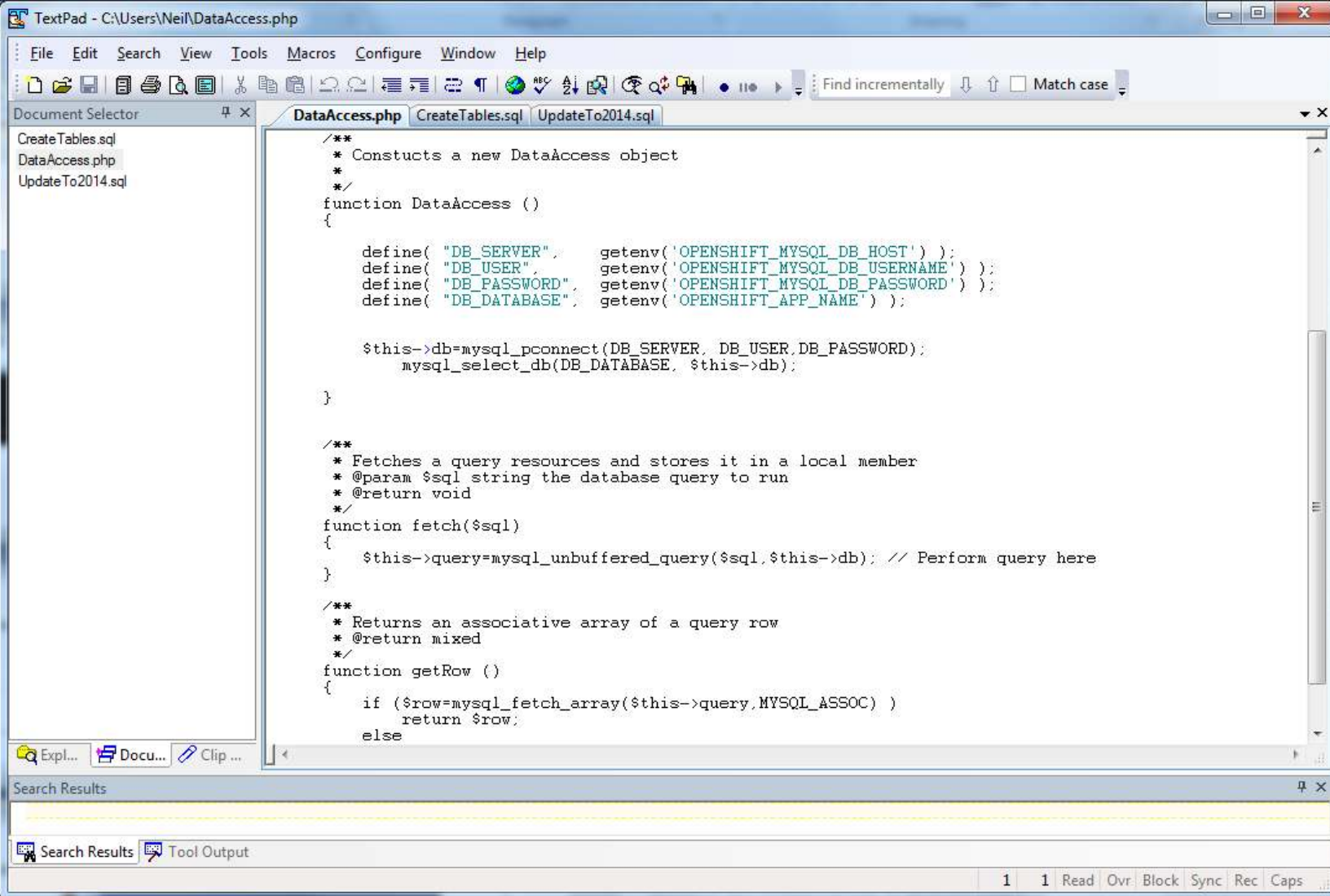
- Ruby
- Git
- OpenShift gem

A terminal window titled 'cmd. C:\Windows\system32\cmd.exe' displaying deployment logs. The logs show the process of compressing objects, stopping and starting MySQL and PHP cartridges, building a git ref, and activating the deployment. The deployment is completed successfully.

```
cmd. C:\Windows\system32\cmd.exe
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 679 bytes | 0 bytes/s, done.
Total 6 (delta 5), reused 0 (delta 0)
remote: Stopping MySQL cartridge
remote: Stopping PHP cartridge
remote: Waiting for stop to finish
remote: Stopping PHPMysqlAdmin cartridge
remote: Waiting for stop to finish
remote: Building git ref 'master', commit b9ba1f9
remote: Building PHP cartridge
remote: Preparing build for deployment
remote: Deployment id is 98416d79
remote: Activating deployment
remote: Starting MySQL cartridge
remote: Starting PHPMysqlAdmin cartridge
remote: Starting PHP cartridge
remote:
-----
remote: Git Post-Receive Result: success
remote: Activation status: success
remote: Deployment completed with status: success
To ssh://@worldcupswepstake-neilsrnd.rhcloud.com/~git/w
orldcupswepstake.git/
a627704..b9ba1f9 master -> master
C:\Users\Neil\worldcupswepstake>
```

- Or (but did not use)
- Eclipse & JBoss tools

With env variables too!



```
TextPad - C:\Users\Neil\DataAccess.php
File Edit Search View Tools Macros Configure Window Help
Find incrementally Match case
Document Selector
CreateTables.sql
DataAccess.php
UpdateTo2014.sql
DataAccess.php
/**
 * Constructs a new DataAccess object
 */
function DataAccess ()
{
    define( "DB_SERVER",      getenv('OPENSIFT_MYSQL_DB_HOST') );
    define( "DB_USER",       getenv('OPENSIFT_MYSQL_DB_USERNAME') );
    define( "DB_PASSWORD",   getenv('OPENSIFT_MYSQL_DB_PASSWORD') );
    define( "DB_DATABASE",   getenv('OPENSIFT_APP_NAME') );

    $this->db=mysql_pconnect(DB_SERVER, DB_USER, DB_PASSWORD);
    mysql_select_db(DB_DATABASE, $this->db);
}

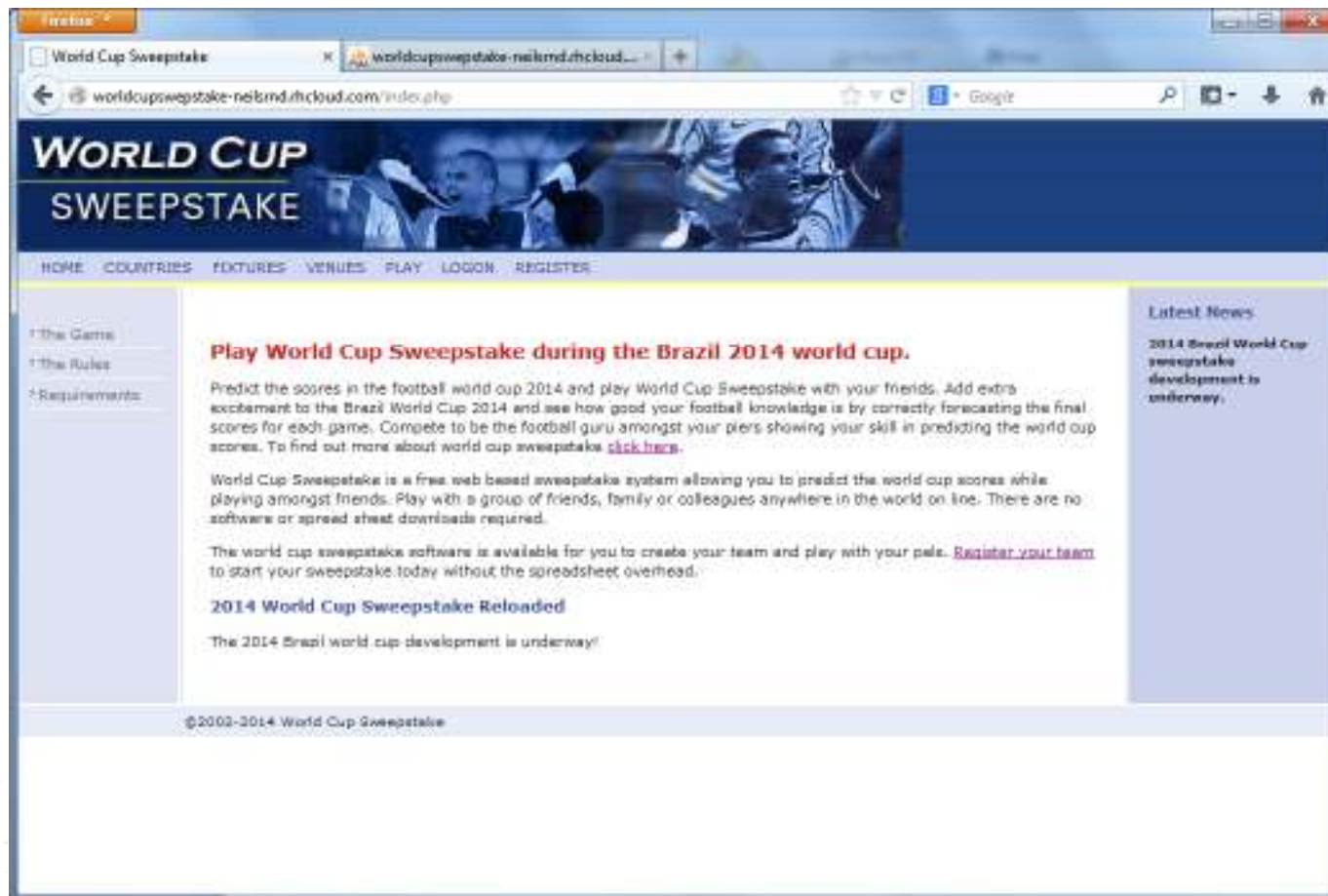
/**
 * Fetches a query resources and stores it in a local member
 * @param $sql string the database query to run
 * @return void
 */
function fetch($sql)
{
    $this->query=mysql_unbuffered_query($sql,$this->db); // Perform query here
}

/**
 * Returns an associative array of a query row
 * @return mixed
 */
function getRow ()
{
    if ($row=mysql_fetch_array($this->query,MYSQL_ASSOC) )
        return $row;
    else

```


and it works in under 2 hours

- <http://worldcupswepstake-neilsrnd.rhcloud.com>



The result



- Hearts 2 – St Mirren 1
- Tottenham 1 – Manchester City 5

