

Assignment #1: Deploying an Enterprise Web

Tutorials **Reports** **Deploying an Enterprise Web** Completed: 40% 01 : 06 : 57 End Exercise

Huawei Cloud Exercise Account

Log in using an exercise account

Account: Sandbox-Voyager11123 Username: Sandbox-user Password: *****

1.4 Buying an RDS DB Instance

Step 1 Go back to the service list, and choose Database > Relational Database Service.

Step 2 Click Buy DB Instance.

Elastic Cloud Server / Buy ECS

Image: CentOS 7.6 64bit Host Security: Basic edition | One-month free trial System Disk: High I/O, 40 GiB Backup: vault-35a0 | 80

VPC: vpc-mp(192.168.0.0/16) Primary NIC: subnet-mp(192.168.0.0/24) Source/Destination Check: Enable Security Group: sg-mp

EIP: Dynamic BGP | Bandwidth | 2 Mbit/s ECS Name: ecs-mp Login Mode: Password

Cloud Eye: Deletion Time: Quantity: 1

Detailed monitoring enabled: Free

Purchase Details: Price: ¥0.516 /hour You will be charged based on the bill. [Pricing details..](#)

lab.huaweicloud.com/intl/en-us/experimentalStudy_web-deploys_1765_0_1749457712343

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Huawei Cloud Exercise Account

Log in using an exercise account

Account: Sandbox-Voyager11123 Username: Sandbox-user Password: *****

1.4 Buying an RDS DB Instance

Step 4 Confirm the configuration, and click Submit. Go to the RDS DB instance list, and wait for the creation.

RDS

Instances

Instance statistics: Total instances 1, Abnormal 0, Out of storage 0, Frozen 0, Pending reboot 0

Select a property or enter a keyword.

DB In...	DB En...	Status	Billing...	Floating...	Created	Database...	Operation
Primary/St... 2 vCPUs ...	MySQL 8....	Creating	Pay-per-use Created on...	--	Jun 09, 20...	Log In	View

Total Records: 1

Tutorials Reports Deploying an Enterprise Web Completed: 60% 00 : 42 : 46 End Exercise

Huawei Cloud Exercise Account

Log in using an exercise account

Account: Sandbox-Voyager11123
Username: Sandbox-user
Password: *****

2. Setting Up the Linux, Apache, MySQL, PHP (LAMP) Environment

2.1 Installing LAMP

Step 1 Go back to the ECS console and click Remote Login in the Operation column of the purchased ECS.

Step 2 In the VNC window, enter the username (root for Linux ECs by default) and password for login.
[root@ecs-mp ~] -

Step 3 Run the following command to install LAMP and enable the services you will need:

```
[root@ecs-mp ~] #
```

Relational Database Service

Huawei Cloud Exercise Account

Log in using an exercise account

Account: Sandbox-Voyager11123
Username: Sandbox-user
Password: *****

Step 4 Confirm the configuration, and click Submit. Go to the RDS DB instance list, and wait for the creation to complete, which takes 6 to 10 minutes.

Step 5 Click the DB instance name to view its floating IP address.

Floating IP:
192.168.0.195

Deploying an Enterprise Web

Completed: 80% | 00 : 29 : 14 | End Exercise

Huawei Cloud Exercise Account

Log in using an exercise account

Account: Sandbox-Voyager11123 | Username: Sandbox-user | Password: ****

3. Achieving High Availability for Web Servers

To ensure high availability, enterprises usually deploy their applications on more than one server, use ELB to distribute incoming traffic across these servers, and use AS to scale in or out servers on demand. In this exercise, we will use the website you built in the preceding exercise as an example to describe how you can configure ELB to distribute incoming traffic across the web servers, and we will use AS to improve the availability of the website.

3.1 Creating a Shared Load Balancer

Step 1 On the management console, hover on the upper left to display Service List and choose Networking > Elastic Load Balance.

CloudShell

```
root@124.243.181.54 ~
wp-admin/js/editor-expand.js
wp-admin/js/code-editor.min.js
wp-admin/js/set-post-thumbnail.js
wp-admin/options-permalink.php
wp-admin/widgets.php
wp-admin/setup-config.php
wp-admin/install.php
wp-admin/admin-header.php
wp-admin/post-new.php
wp-admin/themes.php
wp-admin/options-reading.php
wp-trackback.php
wp-comments-post.php
[root@ecs-mp ~]# chmod -R 777 /var/www/html
[root@ecs-mp ~]# systemctl start httpd.service
[root@ecs-mp ~]# systemctl start php-fpm.service
```

Apache

http://124.243.181.54

测试 123.

此页面用于测试 Apache HTTP 服务器安装后的正常运行。如果您可以阅读此页面，则表示本网站运行正常。该服务器由 CentOS 供电。

只是参观？
您刚刚访问的网站要么遇到问题，要么正在进行例行维护。

你是管理员吗？
您应该将您的网站内容添加到目录中 /var/www/html/。为防止此页面被使用，请按照文件中的说明操作 /etc/httpd/

The screenshot displays a dual-browser interface on a Mac OS X desktop. The left browser window, running Chrome, shows the 'Huawei Cloud Exercise Account' dashboard with a 'Log in using an exercise account' button and fields for Account (Sandbox-Voyager11123), Username (Sandbox-user), and Password (*****). A sidebar lists steps for database configuration. The right browser window, running Firefox, shows the 'Deploying an Enterprise Web' exercise progress at 80% completion (00:00:10 remaining) and an 'End Exercise' button. It displays a WordPress installation page with fields for Site Title (TEST), Username, Password (RS)QqqPF&(0\$!Apxg Strong), and Your Email. A note says 'Important: You will need this password to log in. Please store it in a secure location.' A checkbox for 'Discourage search engines from indexing this site' is present. The Firefox status bar indicates an 'Insecure' connection.