



Department of
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AWS Cloud and Devops

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Launch and Configure wordpress on AWS lightsail

Name: SARANYA E

Class: CSE-C

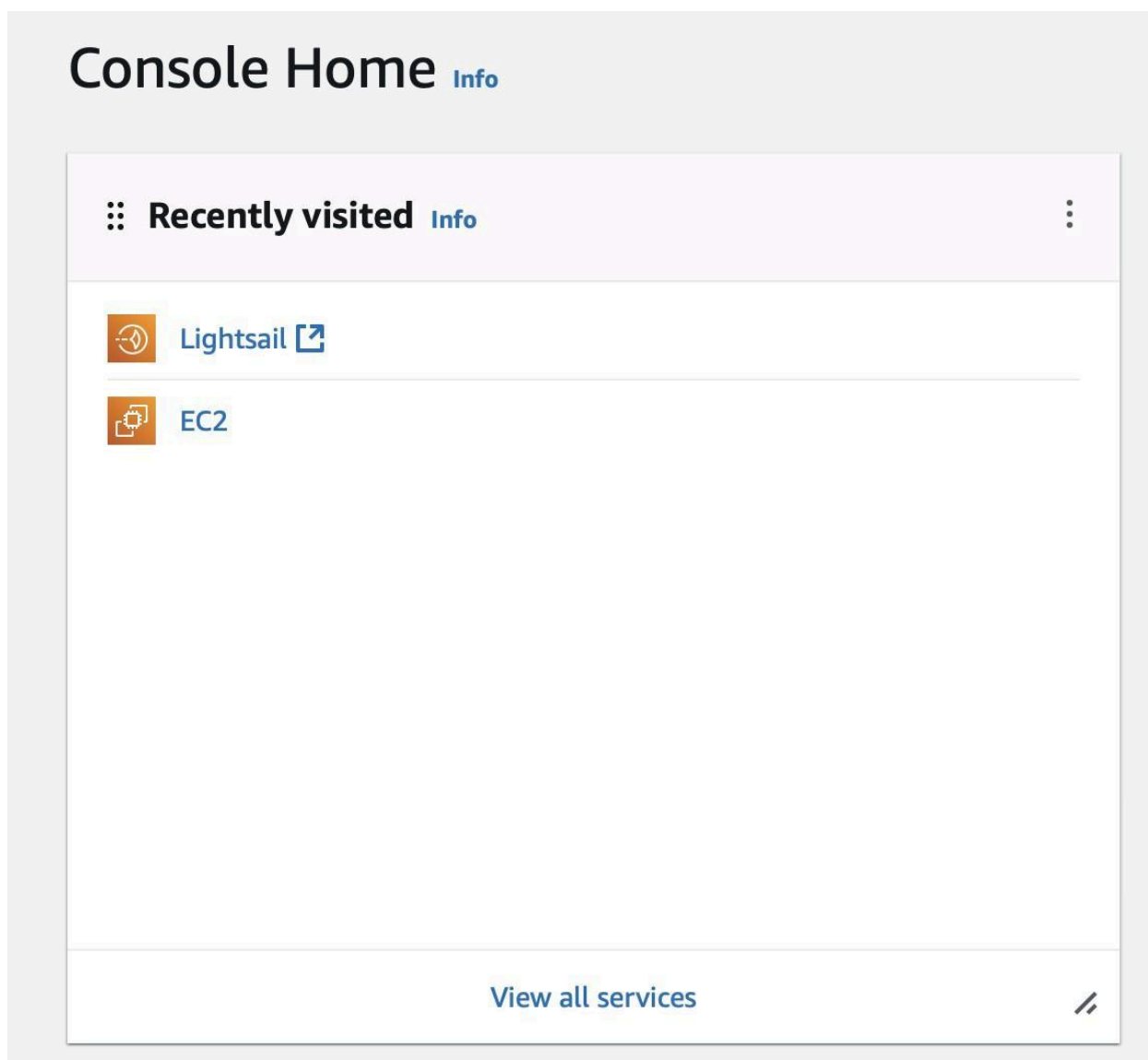
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We are going to see the step by step guide for launch and configure WordPress on AWS Lightsail.

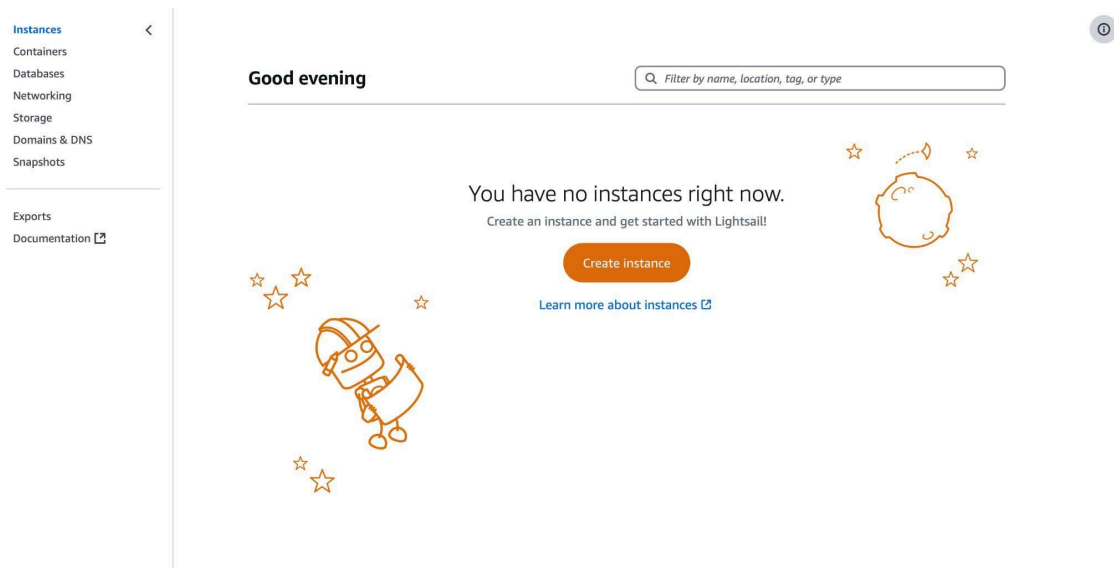
STEP 1: Log in to the AWS Management Console

- Navigate to the AWS management console and login with your credentials.

STEP 2: In the AWS console home, click Lightsail to open the Lightsail instance.



STEP 3: The resulting Lightsail instance is opened as shown below.



STEP 4: Click the create instance to launch and configure the instance on aws lightsail. Initially select your instance location and select an availability zone.

Select your instance location

Select a Region

The closer your instance is to your users, the less latency they will experience.

[Learn more about Regions](#)



Select an Availability Zone [Info](#)



STEP 5: Select your platform as Linux/Unix.

Pick your instance image [Info](#)

Select a platform

☒  Linux/Unix
28 blueprints

















☐  Microsoft Windows
6 blueprints

STEP 6: Select the blueprint Apps+OS WordPress.

Select a blueprint

Apps + OS

Operating System (OS) only

<input checked="" type="radio"/>  WordPress 6.6.2-11	<input type="radio"/>  WordPress Multisite 6.6.2-11	<input type="radio"/>  LAMP (PHP 8) 8.3.13-1	<input type="radio"/>  Node.js 18.20.4-3
<input type="radio"/>  Joomla 5.2.0-0	<input type="radio"/>  Magento 2.4.7-5	<input type="radio"/>  MEAN 7.0.15-0	<input type="radio"/>  Drupal 10.3.6-1
<input type="radio"/>  GitLab CE 17.5.1-ce.0-0	<input type="radio"/>  Redmine 5.1.4-0	<input type="radio"/>  Nginx 1.26.2-1	<input type="radio"/>  Ghost 5.98.0-0
<input type="radio"/>  Django 4.2.16-3	<input type="radio"/>  PrestaShop 8.2.0-0	<input type="radio"/>  Plesk Hosting Stack on Ubuntu (BYOL) 18.0.62	<input type="radio"/>  cPanel & WHM for AlmaLinux RELEASE Tier

WordPress Certified by Bitnami and Automattic 6.6.2-11

Bitnami, the leaders in application packaging, and Automattic, the experts behind WordPress, have teamed up to offer this official WordPress image. This image is a pre-configured, ready-to-run image for running WordPress on Amazon Lightsail. WordPress is the world's most popular content management platform. Whether it's for an enterprise or small business website, or a personal or corporate blog, content authors can easily create content using its new Gutenberg editor, and developers can extend the base platform with additional features. Popular plugins like Jetpack, Akismet, All in One SEO Pack, WP Mail, Google Analytics for WordPress, and Amazon Polly are all pre-installed in this image. Let's Encrypt SSL certificates are supported through an auto-configuration script.

Learn more about WordPress on the [AWS Marketplace](#)

By using this software, you agree to the [software's end user license agreement](#)

STEP 7: Choose your instance plan , select your network type as Dual-stack and select your preferred plan.

Choose your instance plan [Info](#)

Select a network type [Info](#)

☒ Dual-stack **Recommended**

For workloads that require full network compatibility.
Includes a public IPv4 and a public IPv6 address.

☐ IPv6-only

For workloads that do not require a public IPv4 address.
Includes a public IPv6 address.

Select a size

Sort by Price per month ▼

☐ **\$5**

USD per month

512 MB Memory
2 vCPUs Processing
20 GB SSD Storage
512 GB Transfer

First 90 days free

☒ **\$7**

USD per month

1 GB Memory
2 vCPUs Processing
40 GB SSD Storage
1 TB Transfer

First 90 days free

☐ **\$12**

USD per month

2 GB Memory
2 vCPUs Processing
60 GB SSD Storage
1.5 TB Transfer

First 90 days free

☐ **\$24**

USD per month

4 GB Memory
2 vCPUs Processing
80 GB SSD Storage
2 TB Transfer

☐ **\$44**

USD per month

8 GB Memory
2 vCPUs Processing
160 GB SSD Storage
2.5 TB Transfer

☐ **\$84**

USD per month

16 GB Memory
4 vCPUs Processing
320 GB SSD Storage
3 TB Transfer

☐ **\$164**

USD per month

32 GB Memory
8 vCPUs Processing
640 GB SSD Storage
3.5 TB Transfer

☐ **\$384**

USD per month

64 GB Memory
16 vCPUs Processing
1,280 GB SSD Storage
4 TB Transfer

Largest plan

For a limited time, new Lightsail customers can try the selected plan for free for three months. [Learn more about the free trial in Lightsail.](#)

STEP 8: To identify the instance give the name for the instance and click create instance.

Identify your instance

Your Lightsail resources must have unique names.

Ctech-WordPress

×

1


The wordpress on Amazon Lightsail was created.

Good evening

Filter by name, location, tag, or type

Sort by **Creation date** ▼

Create instance

**Ctech-wordpress**

1 GB RAM, 2 vCPUs, 40 GB SSD

Running

13.233.84.66

2406:da1a:d91:5e00:23da:9d2a:2eb7:83d3

Mumbai, Zone A

STEP 9: Connect the instance

```
lightsailaws.amazon.com/remote/ap-south-1/instances/Ctech-WordPress/terminal?protocol=ssh
Linux ip-172-26-6-219 6.1.0-26-cloud-amd64 #1 SMP PREEMPT_DYNAMIC Debian 6.1.112-1 (2024-09-30) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.

*** Welcome to the Bitnami package for WordPress 6.6.2-11 ***
*** Documentation: https://docs.bitnami.com/aws/apps/wordpress/ ***
*** https://docs.bitnami.com/aws/ ***
*** Bitnami Forums: https://github.com/bitnami/vms/ ***
Last login: Wed Nov 13 16:35:44 2024 from 52.95.73.57
bitnami@ip-172-26-6-219:~$ ls
bitnami application password bitnami_credentials htdocs stack
bitnami@ip-172-26-6-219:~$ ls -la
total 40
drwxr-xr-x 3 bitnami bitnami 4096 Nov 13 16:35 .
drwxr-xr-x 3 root root 4096 Nov 4 15:23 ..
-rw-r--r-- 1 bitnami bitnami 28 Nov 13 16:37 .bash_history
-rw-r--r-- 1 bitnami bitnami 220 Apr 23 2023 .bash_logout
-rw-r--r-- 1 bitnami bitnami 4220 Nov 13 16:29 .bashrc
-rw-r--r-- 1 bitnami bitnami 13 Nov 13 16:30 bitnami_application_password
-rw-r--r-- 1 bitnami bitnami 430 Nov 13 16:30 bitnami_credentials
lrwxrwxrwx 1 bitnami bitnami 27 Nov 4 15:27 htdocs -> /opt/bitnami/apache2/htdocs
-rw-r--r-- 1 bitnami bitnami 1501 Nov 13 16:29 .profile
drwx----- 2 bitnami bitnami 4096 Nov 13 16:29 .ssh
lrwxrwxrwx 1 bitnami bitnami 12 Nov 4 15:27 stack -> /opt/bitnami
bitnami@ip-172-26-6-219:~$
```

STEP 10: Check the Instance and Directory Information


- You're logged into the instance as the **bitnami** user.
- Use **ls -la** to see the contents of the home directory, where you can see important files like:
 - **bitnami_application_password**: This file usually contains the password for the WordPress application.


STEP 11:Click the Ctech WordPress created by you ,you will let into this page.


Ctech-WordPress Info

DeleteRebootStop


1 GB RAM, 2 vCPUs, 40 GB SSD


**WordPress**


Access WordPress Admin 


AWS Region
 Mumbai, Zone A (ap-south-1a)

Networking type
Dual-stack
[Change networking type](#)


Public IPv4 address
 35.154.15.109

Private IPv4 address
 172.26.6.25

Public IPv6 address
 2406:da1a:d91:5e00:b5b0:4fa6:37ff:7aa6

Default WordPress admin user name
 user

Default WordPress admin password
[Retrieve default password](#)

Instance status
 **Running**

Connect

MetricsSnapshotsStorageNetworkingDomainsTagsHistory

Scroll down this page and select Access Default password.

WordPress credentials

- ▶ Access default user name
- ▶ Access default password
- ▶ Sign in to your WordPress application

Step 12:Copy the code from the Step 2 and paste it in page Lanch CloudShell which is in Step 1.

Step 1

Launch CloudShell to connect to your instance.

[Launch CloudShell](#)

Step 2

Copy and paste this command into the CloudShell window:

```
cat <<'EOT' >>~/lightsail_connect

set -eu -o pipefail

instance=$1

glad=$(aws lightsail get-instance-access-details --protocol ssh --instance-name
$instance | jq '.accessDetails')
userhost=$(jq -r '.ipAddress' <<<$glad)
username=$(jq -r '.username' <<<$glad)

work_dir=$(mktemp -d)
trap "{ rm -rf $work_dir; }" EXIT

kh_lines=$(jq -r --arg arg_host $userhost '.hostKeys[] | $arg_host+" "+.algorithm+"
"+"publicKey' <<<$glad)
while read kh_line; do
  echo "$kh_line" >> $work_dir/hostkeys
done <<<"$kh_lines"

jq -r '.certKey' <<<$glad > "$work_dir/key-cert.pub"
jq -r '.privateKey' <<<$glad > "$work_dir/key"
chmod 600 "$work_dir/key"

shift
ssh \
  -o StrictHostKeyChecking=yes \
  -o UserKnownHostsFile=$work_dir/hostkeys \
  -i $work_dir/key \
  $username@$userhost \
  $@
EOT

chmod +x ~/lightsail_connect
AWS_REGION=ap-south-1 ~/lightsail_connect Ctech-WordPress cat
bitnami application password
```

[Copy](#)

This is the Cloudshell page

CloudShell

Actions

ap-south-1

+

```
>
> instance=$1
>
> glad=$(aws lightsail get-instance-access-details --protocol ssh --instance-name $instance | jq '.accessDetails')
> userhost=$(jq -r '.ipAddress' <<<$glad)
> username=$(jq -r '.username' <<<$glad)
>
> work_dir=$(mktemp -d)
> trap "{ rm -rf $work_dir; }" EXIT
>
> kh_lines=$(jq -r --arg arg_host $userhost '.hostKeys[] | $arg_host+" "+.algorithm+" "+.publicKey' <<<$glad)
> while read kh_line; do
>   echo "$kh_line" >> $work_dir/hostkeys
> done <<<"$kh_lines"
>
> jq -r '.certKey' <<<$glad > "$work_dir/key-cert.pub"
> jq -r '.privateKey' <<<$glad > "$work_dir/key"
> chmod 600 "$work_dir/key"
>
> shift
> ssh \
>   -o StrictHostKeyChecking=yes \
>   -o UserKnownHostsFile=$work_dir/hostkeys \
>   -i $work_dir/key \
>   $username@$userhost \
>   $@
> EOT
[cloudshell-user@ip-10-130-28-21 ~]$
[cloudshell-user@ip-10-130-28-21 ~]$ chmod +x ~/lightsail_connect
[cloudshell-user@ip-10-130-28-21 ~]$ AWS_REGION=ap-south-1 ~/lightsail_connect Ctech-WordPress cat bitnami_application_password
TwoSmsKbDz
[cloudshell-user@ip-10-130-28-21 ~]$
```

CloudShell

Support

Feedback

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Step 13: Copy the bitnami_application_password

```
> cat /usr/bin/bitnami_application_password > /work_dir/keys \
> -i $work_dir/key \
> $username@$userhost \
> $@
> EOF
[cloudshell-user@ip-10-130-28-21 ~]$
[cloudshell-user@ip-10-130-28-21 ~]$ chmod +x ~/lightsail_connect
[cloudshell-user@ip-10-130-28-21 ~]$ AWS_REGION=ap-south-1 ~/lightsail_connect Ctech-WordPress cat bitnami_application_password
IvvgfsnH5n9+
[cloudshell-user@ip-10-130-28-21 ~]$
```

Scroll up the page get into Access Wp-Admin Dashbord page and click the public IP address.

Access the WP-Admin Dashboard



Website URL

Add **/wp-admin** to the end of your website's URL or IP address to access its WP-Admin dashboard.

/wp-admin


 Copy

Retrieve your [WordPress default user name and password](#) to access your WP-Admin dashboard.

Public IP address

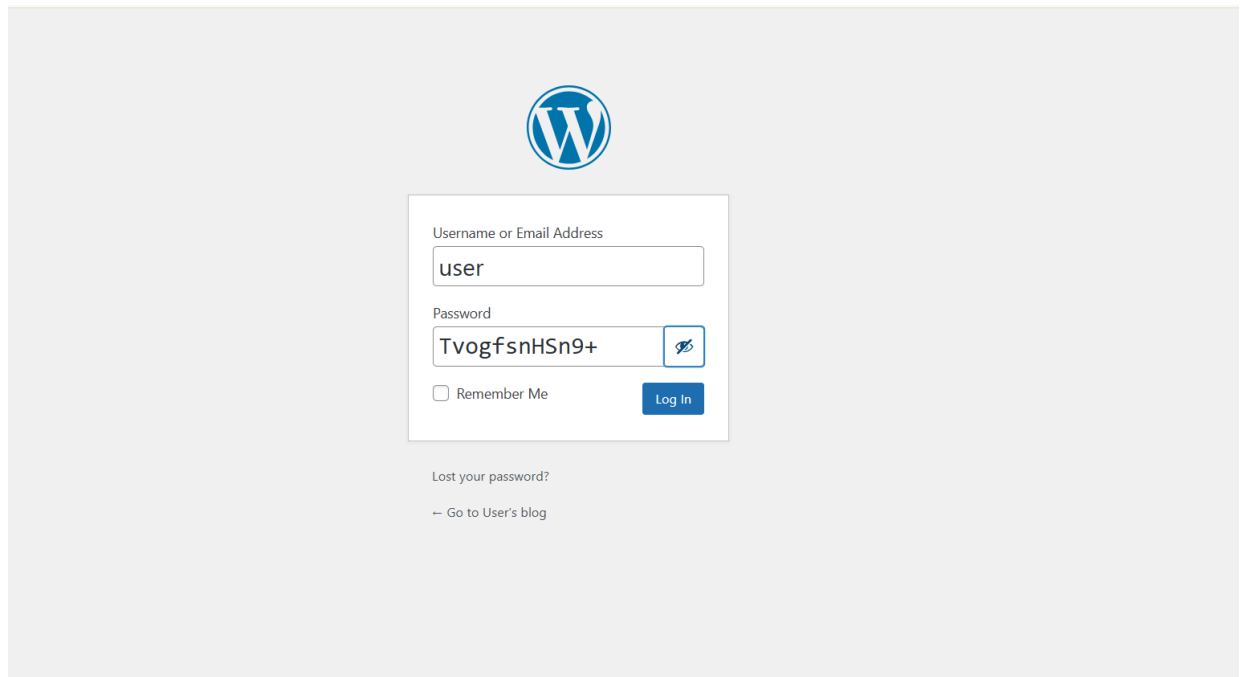
Use your instance's public IP address to access the WP-Admin dashboard if your website isn't secure.

<http://35.154.15.109/wp-admin> 

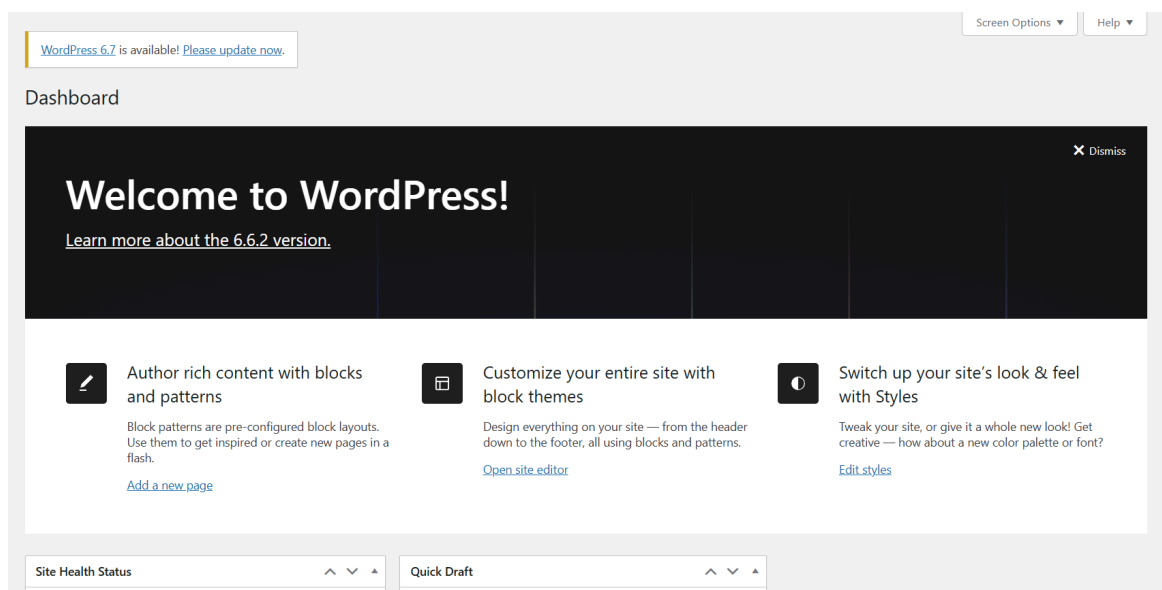
Note: this URL is unencrypted. [Learn more about securing your website](#) 

Dismiss

Then you will be directed to this page and fill the username and password which is copied earlier `bitnami_application_password`

The image shows the WordPress login page. At the top center is the WordPress logo. Below it is a white login box with a light gray border. Inside the box, there are two input fields: 'Username or Email Address' with the text 'user' and 'Password' with the text 'TvogfsnHSn9+'. To the right of the password field is a small icon of a key. Below the password field is a checkbox labeled 'Remember Me' and a blue 'Log In' button. Below the login box, there is a link 'Lost your password?' and a link 'Go to User's blog'.

After log in you may be directed to Dashboard page.

The image shows the WordPress Dashboard. At the top, there is a notification bar that says 'WordPress 6.7 is available! Please update now.' with a 'Dismiss' button. Below the notification bar is the 'Dashboard' title. The main content area has a dark header with the text 'Welcome to WordPress!' and a link 'Learn more about the 6.6.2 version.' Below the header, there are three main sections: 'Author rich content with blocks and patterns', 'Customize your entire site with block themes', and 'Switch up your site's look & feel with Styles'. Each section has a brief description and a link to a related feature. At the bottom, there are two widgets: 'Site Health Status' and 'Quick Draft'.

Finally delete all the instance created by you.