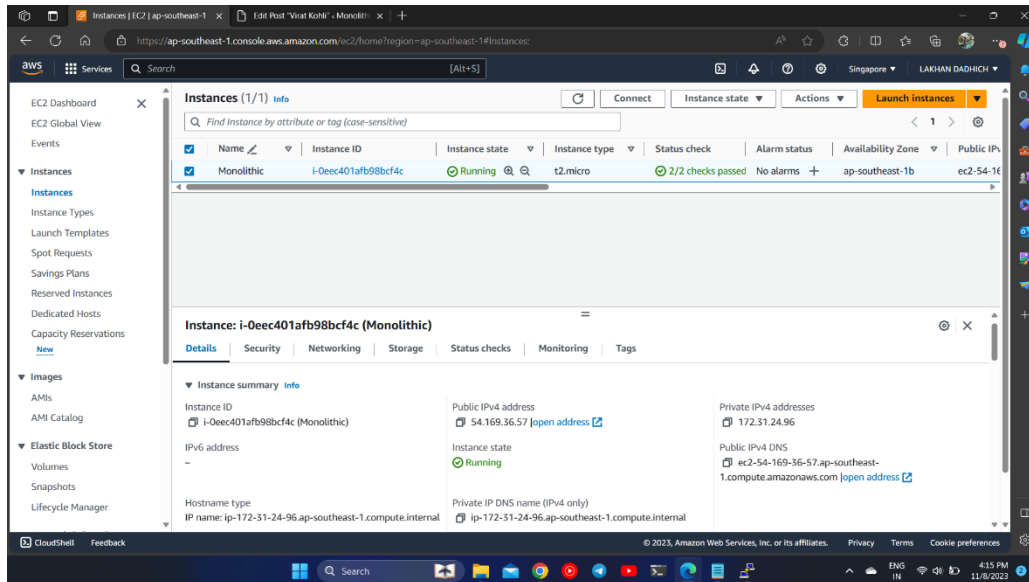


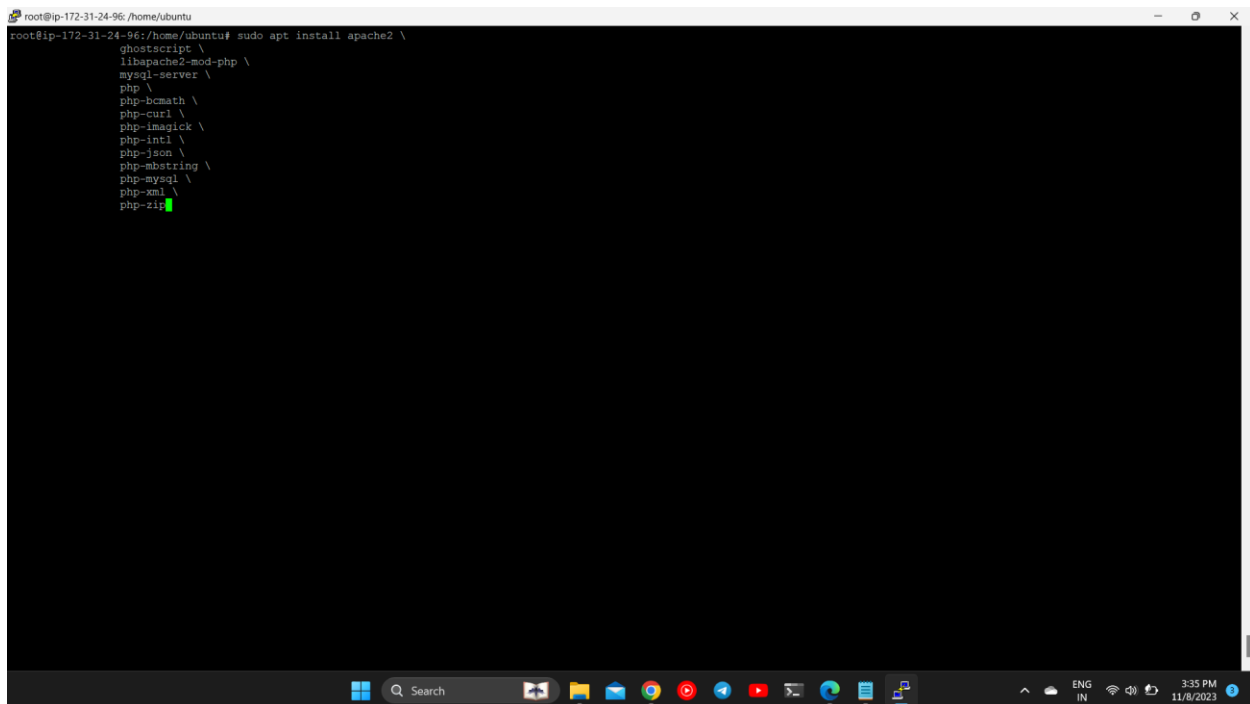
STEP 1)

Created an EC2 Instance. t2 micro eligible and working on Ubuntu AMI. Configured the security groups.



STEP 2)

Installed Dependencies. Php and apache2. (Lamp Stack Package)



STEP 3)

Installed Wordpress. Created the installation directory and downloaded the file from [WordPress.org](https://wordpress.org/):

```
root@ip-172-31-24-96: /home/ubuntu
root@ip-172-31-24-96:/home/ubuntu# sudo mkdir -p /srv/www
root@ip-172-31-24-96:/home/ubuntu# sudo chown www-data: /srv/www
root@ip-172-31-24-96:/home/ubuntu# curl https://wordpress.org/latest.tar.gz | sudo -u www-data tar xz -C /srv/www
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 23.3M  100 23.3M    0     0  1646k      0  0:00:14  0:00:14 --:--:-- 3130k
root@ip-172-31-24-96:/home/ubuntu#
```

STEP 4) Configured Apache for Wordpress. Created Apache site for WordPress. Created /etc/apache2/sites-available/wordpress.conf file.

```
GNU nano 6.2 /etc/apache2/sites-available/wordpress.conf
<VirtualHost *:80>
    DocumentRoot /srv/www/wordpress
    <Directory /srv/www/wordpress>
        Options FollowSymLinks
        AllowOverride Limit Options FileInfo
        DirectoryIndex index.php
        Require all granted
    </Directory>
    <Directory /srv/www/wordpress/wp-content>
        Options FollowSymLinks
        Require all granted
    </Directory>
</VirtualHost>
```

STEP 5)

Installed MySQL and Configured MySQL Database.

```
root@ip-172-31-24-96:/home/ubuntu
root@ip-172-31-24-96:/home/ubuntu# sudo mysql -u root
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.35-0ubuntu0.22.04.1 (Ubuntu)

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> CREATE DATABASE wordpress;
Query OK, 1 row affected (0.06 sec)

mysql> CREATE USER wordpress@localhost IDENTIFIED BY '<admin123>';
Query OK, 0 rows affected (0.04 sec)

mysql> GRANT SELECT,INSERT,UPDATE,DELETE,CREATE,DROP,ALTER ON wordpress.* TO wordpress@localhost;
Query OK, 0 rows affected (0.00 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

mysql> quit
Bye
root@ip-172-31-24-96:/home/ubuntu# sudo service mysql start
root@ip-172-31-24-96:/home/ubuntu#
```

STEP 6) Configured Wordpress and Connected it to the Database. Configured the wp-config.php file and added the secret AUTH key to it.

```
GNU nano 6.2 /srv/www/wordpress/wp-config.php *

/** Database hostname */
define( 'DB_HOST', 'localhost' );

/** Database charset to use in creating database tables. */
define( 'DB_CHARSET', 'utf8' );

/** The database collate type. Don't change this if in doubt. */
define( 'DB_COLLATE', '' );

/**#@+
 * Authentication unique keys and salts.
 *
 * Change these to different unique phrases! You can generate these using
 * the {@link https://api.wordpress.org/secret-key/1.1/salt/ WordPress.org secret-key service}.
 *
 * You can change these at any point in time to invalidate all existing cookies.
 * This will force all users to have to log in again.
 *
 * @since 2.6.0
 */
define( 'AUTH_KEY',         'K8Gnm-3e-mf-ag2R@v[I9{4>@M03tVr#|s41M0WYhMS$7eTOD[C551Wk0($,0s');
define( 'SECURE_AUTH_KEY',  'Nkife=ajko)Ht4++z1jK.gGTbM#1V7C6J,8j|, _Qn7b-E4P6ar7baibz(couj)');
define( 'LOGGED_IN_KEY',    's77B-q19-w'Q/0A:soQ,<|v*6TWrl_A82bzXN4dj+hpjYXW'4e0Jrno-pcxbha');
define( 'NONCE_KEY',        '1-5k*B7LVc>eEU+0l|{3::swe[f~|Cl'X,ckWiyqkKtcU~Rno9/CUI: TVuq-');
define( 'AUTH_SALT',        '89s5.aKcT@KEDSRK|=80L#(q0j-9RhX7(j6vz038)~-(?!-deEJk-cllX->Lb');
define( 'SECURE_AUTH_SALT', 'pYZWa.nP(TiITjE-zANXgv.XR-13l{7mm7ARoJAU(93|<t_OkwrX=Ur|4Evv_a7U');
define( 'LOGGED_IN_SALT',   '3Ic<+>erA2ldq0Bf3j|CwZj'DAD.Ve4is))<XE-AVFBW|7OMDO.--fR.wrt+lm+');
define( 'NONCE_SALT',       'Bfg'X*4vG4-gbJ0iumforX-rcJ~-2cl*0Fj9|Dqso<m9w-+*!~Jtegl68&J{r');

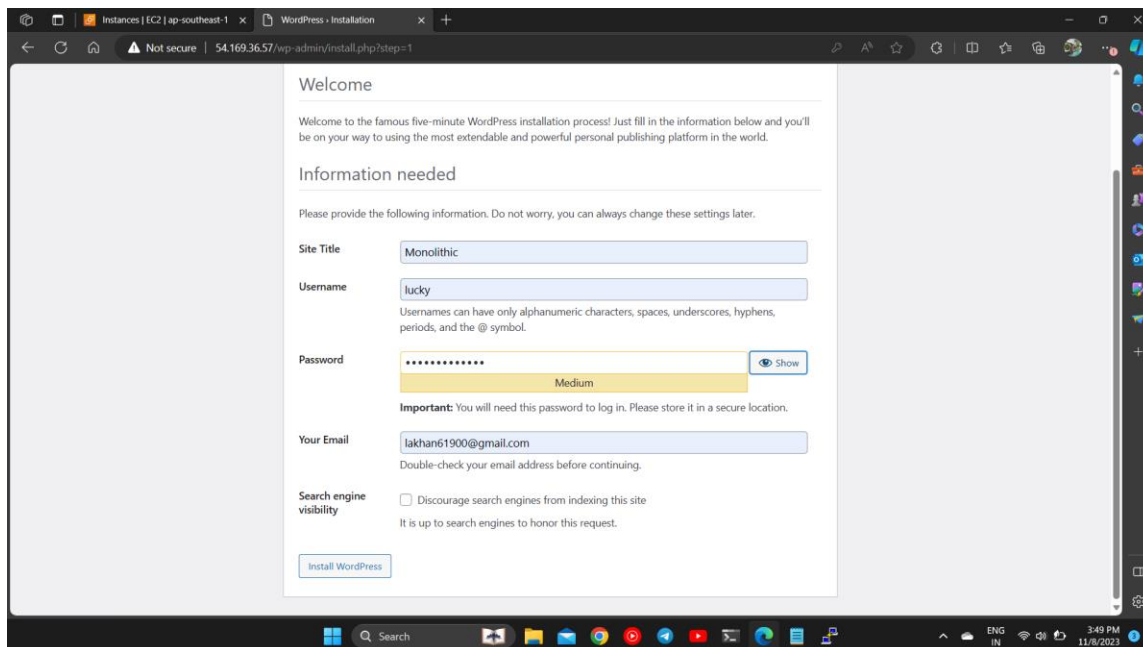
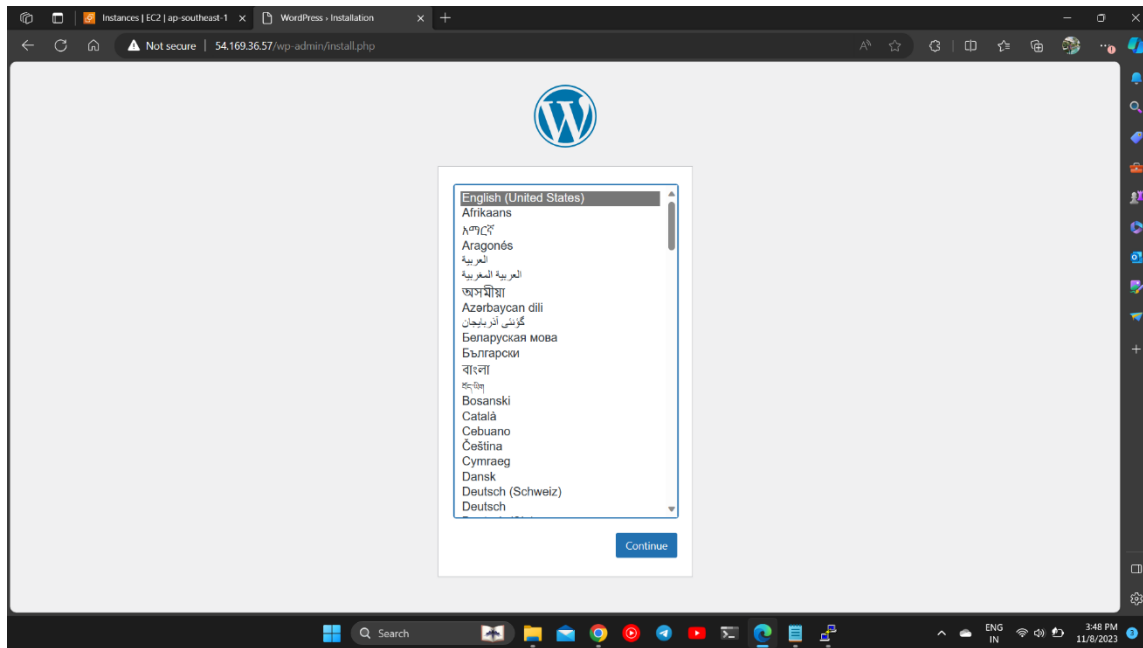
/**#@-*/

/**
 * WordPress database table prefix.
 *
 * You can have multiple installations in one database if you give each
 * a unique prefix. Only numbers, letters, and underscores please!
 */
$table_prefix = 'wp_';

/**
 * For developers: WordPress debugging mode.
 *
 * @since 2.6.0
 */
```

STEP 7)

Configured Wordpress.



STEP 9)

Created a new post and Deployed/published it live.

This screenshot shows the WordPress post editor for a draft titled "Virat Kohli". The main content area displays a featured image of Virat Kohli in a white cricket jersey with "BYJU'S" and "KULDER" logos. Below the image, the text reads: "Virat Kohli (Hindi pronunciation: [vɪˈɾɑːt 'koːhli] ⓘ; born 5 November 1988) is an Indian international cricketer and the former captain of the Indian national cricket team. He currently represents Royal Challengers Bangalore in the IDL and Dabhi in domestic cricket. Daring, tough and fiercely talented. Virat". The right-hand sidebar contains the "Post" tab with settings: Visibility (Public), Publish (Immediately), Template (Single Posts), URL (54.169.36.57/2023/11/08/virat-kohli/), and checkboxes for "Stick to the top of the blog" and "Pending review". The "AUTHOR" is set to "lucky". A "Move to trash" button is visible. The bottom status bar shows "Post".

This screenshot shows the same WordPress post editor for "Virat Kohli", but now the post is published. The main content area is identical to the previous screenshot. The right-hand sidebar now shows a confirmation message: "Virat Kohli is now live." Below this, it says "What's next?" and "POST ADDRESS" with the URL "http://54.169.36.57/202...". There are "View Post" and "Add New Post" buttons. A checkbox for "Always show pre-publish checks." is checked. The bottom status bar now shows "Post published. View Post".

STEP 10) You can now visit our live page which gives us information about our rising star Virat Kohli.

Page Link : <http://54.169.36.57/2023/11/08/virat-kohli/>

