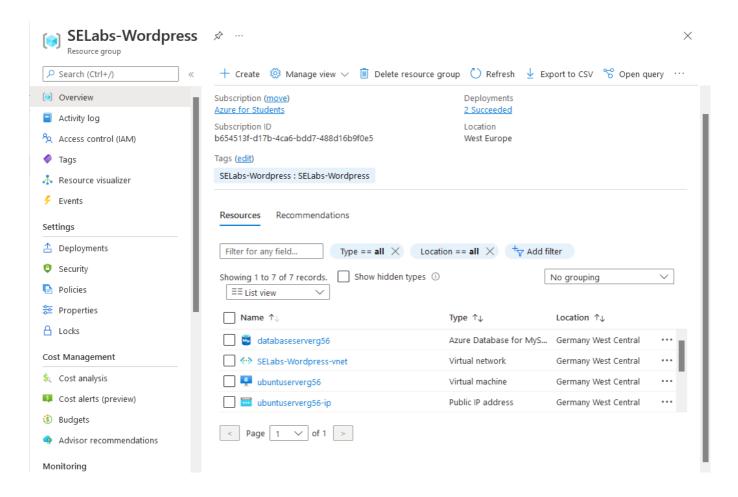
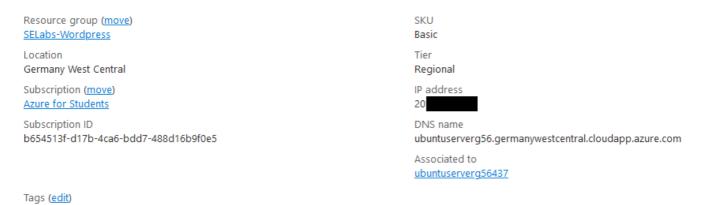
# CloudVM Database en wordpress met Microsoft Azure opzetten

- CloudVM Database en wordpress met Microsoft Azure opzetten
  - Installatie Databankserver
  - Verbinden met database
  - Installatie WordPress
  - Verbinding met wordpress via SSL
  - Resultaat





#### Btop op ubuntu server in MS Azure



DNS configuratie

Internet speedtest vanuit Azure omgeving

## Installatie Databankserver

Click here to add tags

```
sudo apt install mysql-client -y
```

## Verbinden met database

Kan niet verbinden met database server via AzureUbuntu server en Windows MySQL.

Firewall rule name	Start IP	End IP
Applicatieserver	20	20.
RemoteConnection	78.	78
Firewall rule name	Start IP	End IP

Ip exceptions voor verbinding met database. (kan ook door Star IP: 0.0.0.0; End IP: 255.255.255.255)

```
rverg56:~$ mysql -h databaseserverg56.mysql.database.azure.com -u wordpressdb@databaseserverg56 -p
Enter password:
Welcome to the MySQL monitor.
                               Commands end with ; or \g.
Your MySQL connection id is 64627
Server version: 5.6.47.0 Source distribution
Copyright (c) 2000, 2022, Oracle and/or its affiliates.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
🖭 Command Prompt - mysql -h databaseserverg56.mysql.database.azure.com -u wordpressdb@databaseserverg56 -p
C:\Users\Qwert>mysql -h databaseserverg56.mysql.database.azure.com -u wordpressdb@databaseserverg56 -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 64468
Server version: 5.6.47.0 Source distribution
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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>
```

Succesvolle verbinding met de database server.

#### Installatie WordPress

```
php-curl \
    php-imagick \
    php-intl \
    php-json \
    php-mbstring \
    php-mysql \
    php-xml \
    php-zip
sudo mkdir -p /srv/www
sudo chown www-data: /srv/www
curl https://wordpress.org/latest.tar.gz | sudo -u www-data tar zx -C /srv/www
sudo nano /etc/apache2/sites-available/wordpress.conf
```

```
sudo a2ensite wordpress
sudo a2enmod rewrite
sudo a2dissite 000-default
sudo service apache2 reload
```

```
qwertic@ubuntuserverg56: ~
 wertic@ubuntuserverg56:~$ mysql -h databaseserverg56.mysql.database.azure.com -u wordpressdb@databaseserverg56 -p
Enter password:
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 64494
Server version: 5.6.47.0 Source distribution
Copyright (c) 2000, 2022, Oracle and/or its affiliates.
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affiliates. Other names may be trademarks of their respective
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> CREATE DATABASE wordpress;
Query OK, 1 row affected (0.21 sec)
mysql> CREATE USER qwertic@'%' IDENTIFIED BY 'DelendPw9256';
Query OK, 0 rows affected (0.17 sec)
mysql> GRANT SELECT,INSERT,UPDATE,DELETE,CREATE,DROP,ALTER ON wordpress.* TO qwertic@'%';
Query OK, 0 rows affected (0.18 sec)
mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.17 sec)
mysql> QUIT;
```

#### Aanmaken van de wordpress database

```
sudo service mysql start
sudo -u www-data cp /srv/www/wordpress/wp-config-sample.php /srv/www/wordpress/wp-
config.php
```

Belangrijk is dat de hostname van de database wordt aangepast, en dat de KEY worden ingevuld. Bij de instructie pagina van ubuntu kon dit makkelijk met automatisch gegenereerde keys van de wordpress api.

```
/** Database username */
define( 'DB_USER', 'qwertic' );

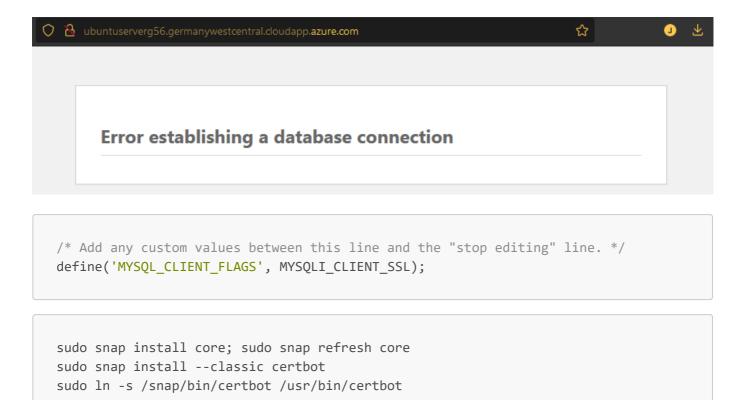
/** Database password */
define( 'DB_PASSWORD', '*********' );

/** Database hostname */
define( 'DB_HOST', 'databaseserverg56.mysql.database.azure.com' );

/** 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', '' );
```

# Verbinding met wordpress via SSL



Ik ondervond dat het belangrijk is dat deze lijnen in het wordpress-le-ssl.conf bestand stonden. Hierdoor wordt het http verkeer over poort 80 automatisch naar poort 443 (HTTPS) doorgestuurd.

```
RewriteEngine on
RewriteCond %{SERVER_NAME} =ubuntuserverg56.germanywestcentral.cloudapp.azure.com
RewriteRule ^ https://%{SERVER_NAME}%{REQUEST_URI} [END,NE,R=permanent]
```

#### Resultaat

Een wordpress site met https encryptie, SSI certificaat via Let's Encrypt en DNS via azure.com.



Gif niet zichtbaar in pdf

