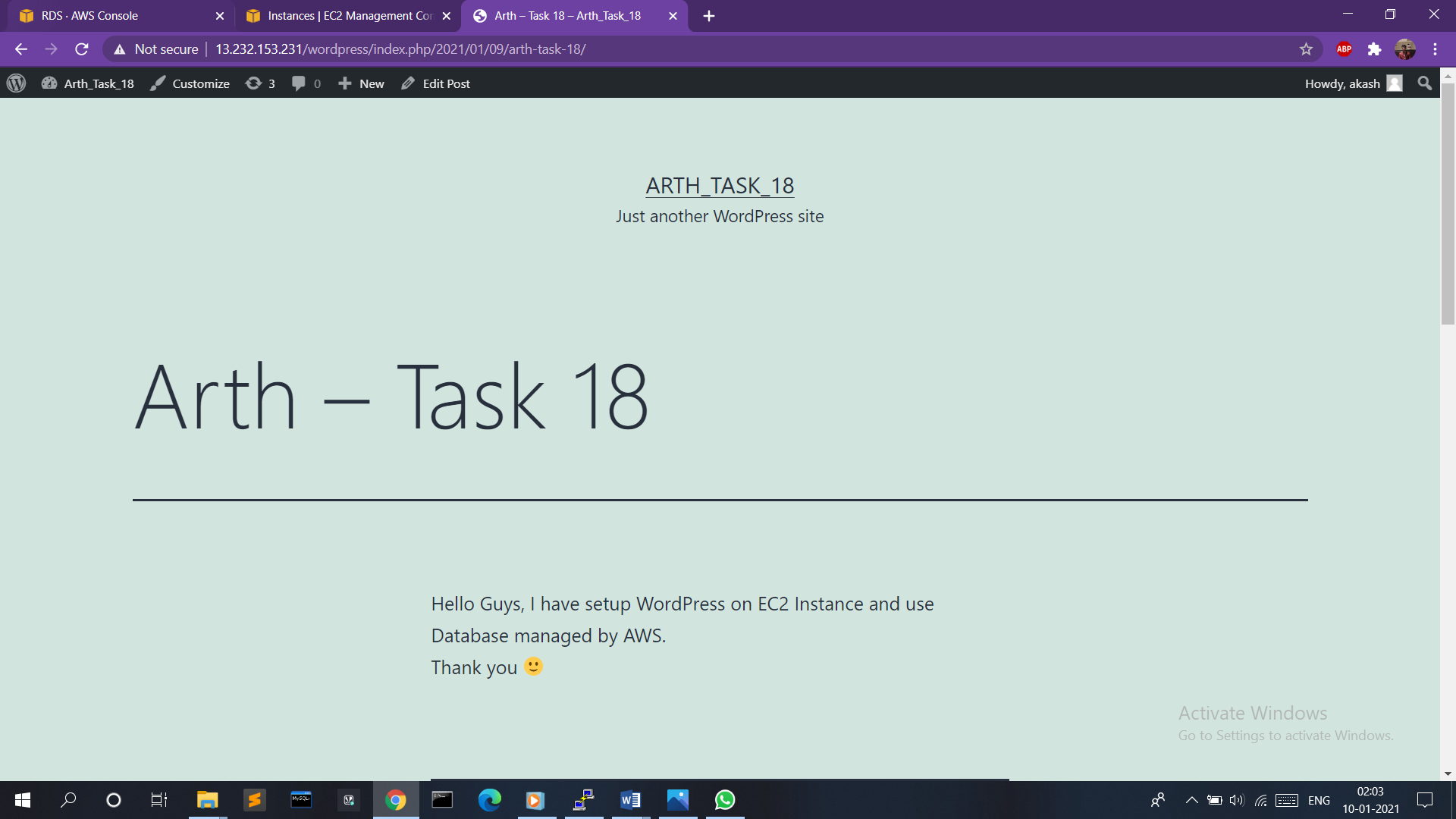
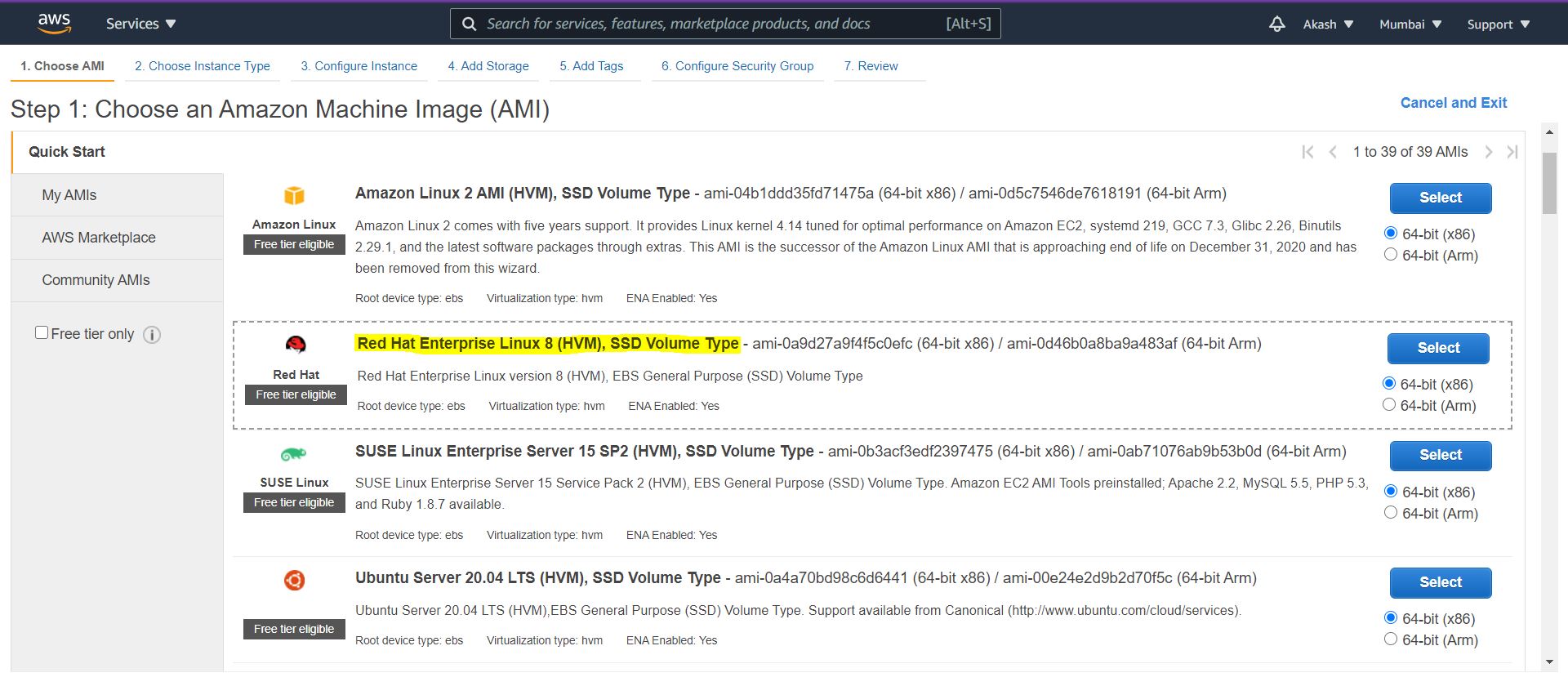
**ARTH - TASK 18**

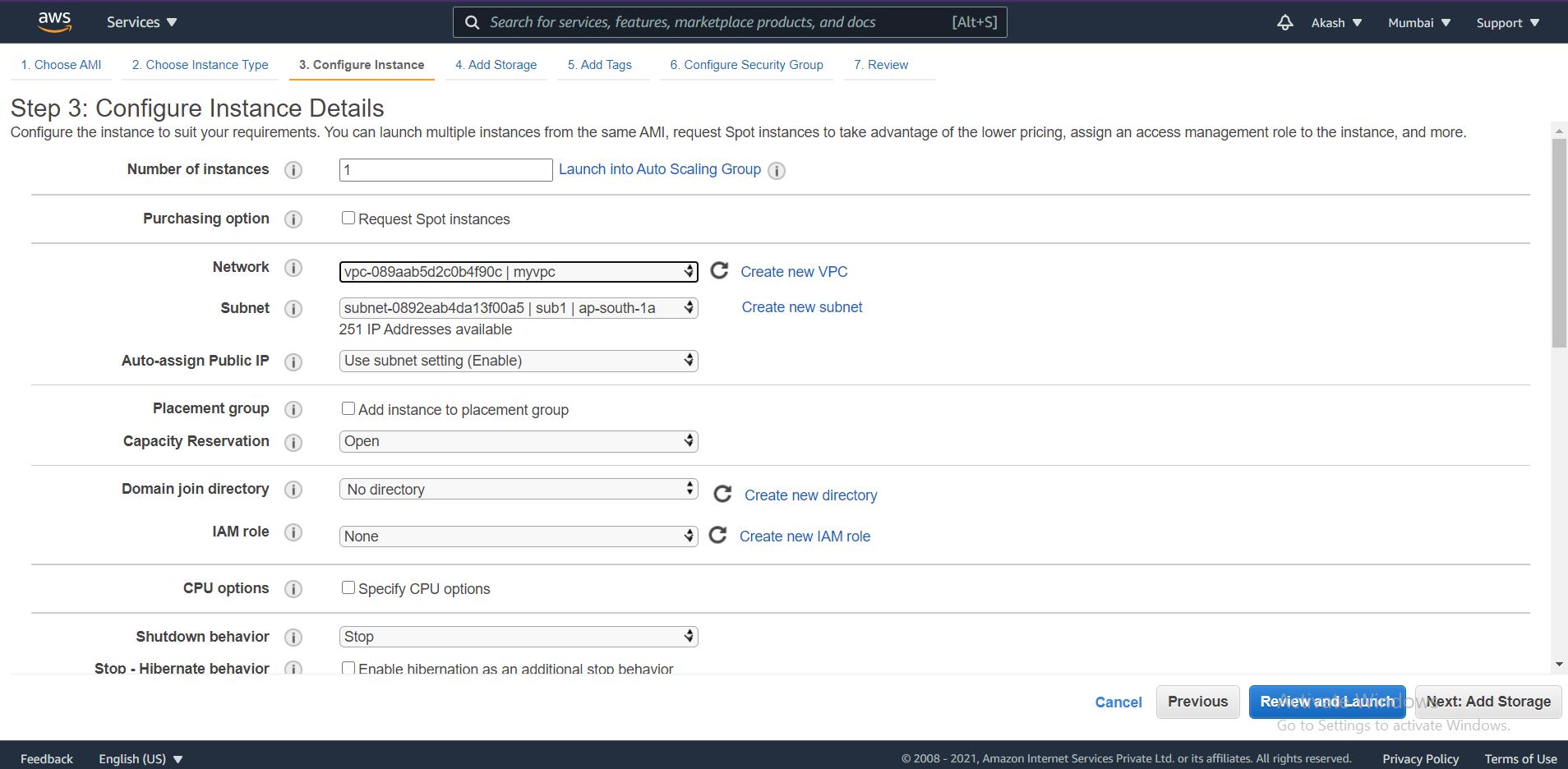
**Task Description :-**

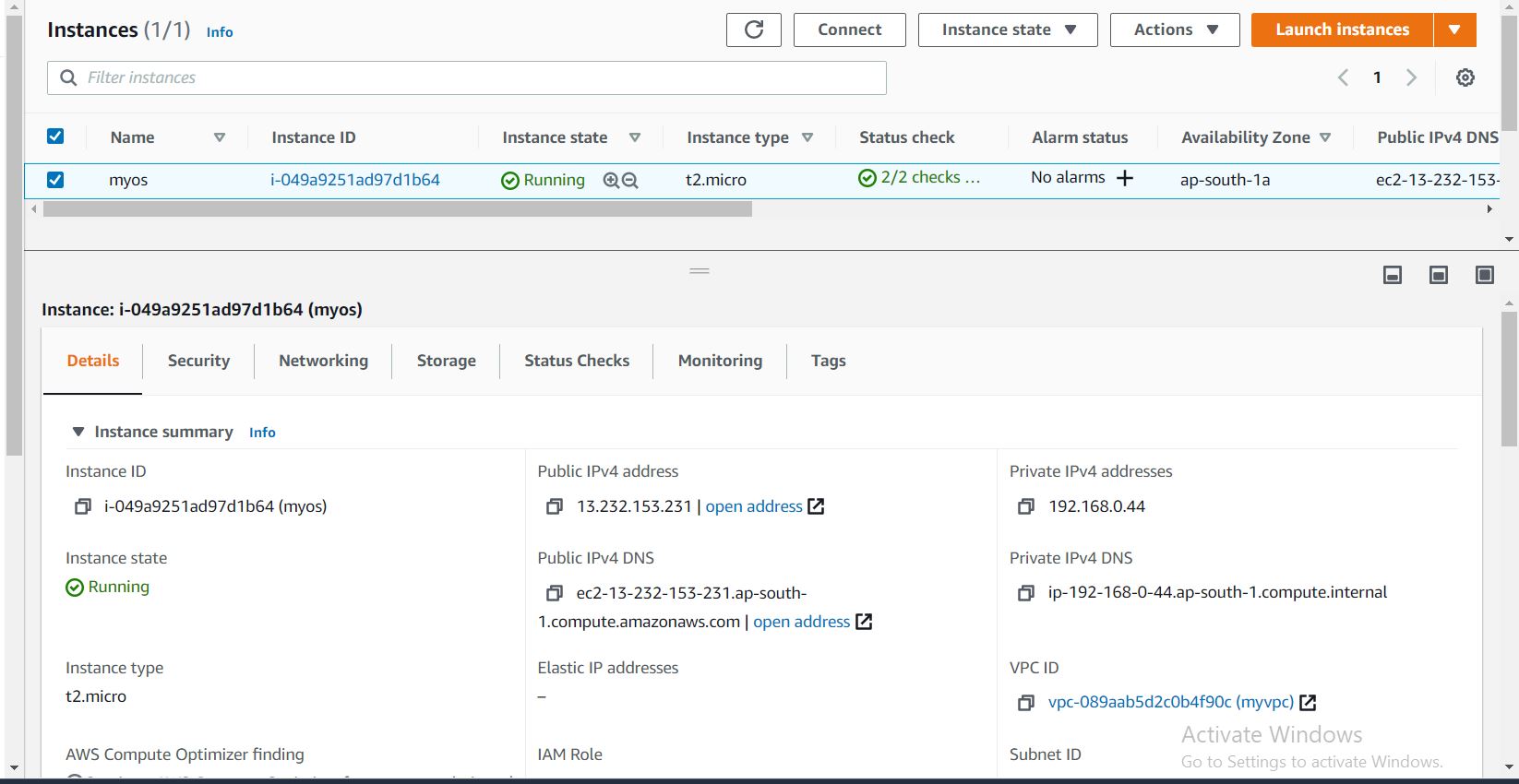
* **Create an AWS EC2 Instance**
* **Configure the Instance with apache webserver**
* **Download PHP Application name “WordPress”**
* **As WordPress stores data at the backend in MySQL Database server. Therefore, you need to setup a MySQL server using AWS RDS service using Free Tier.**
* **Provide the endpoint/connection string to the WordPress application to make it work.**



**Creation of EC2 Instance :-**

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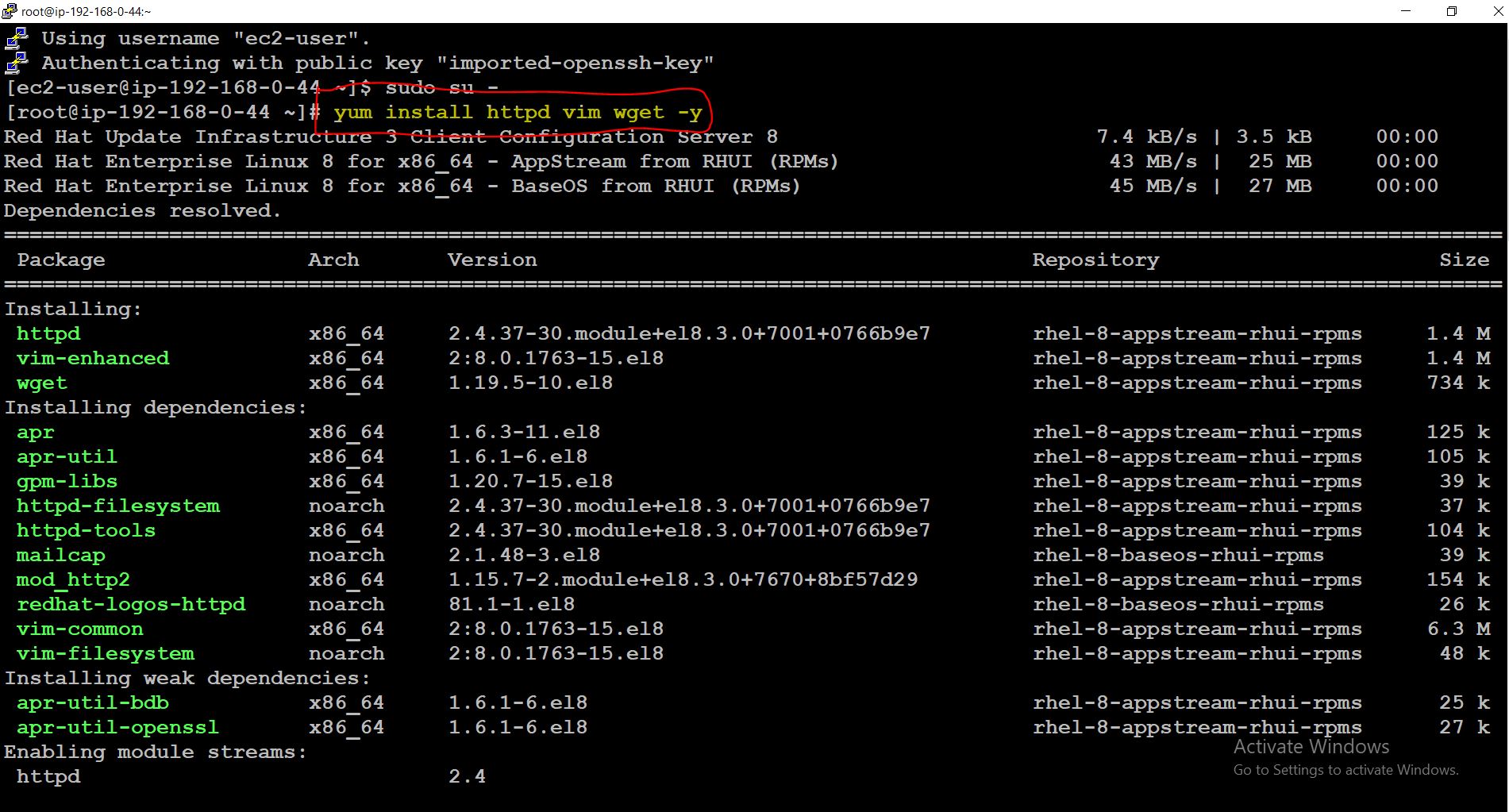
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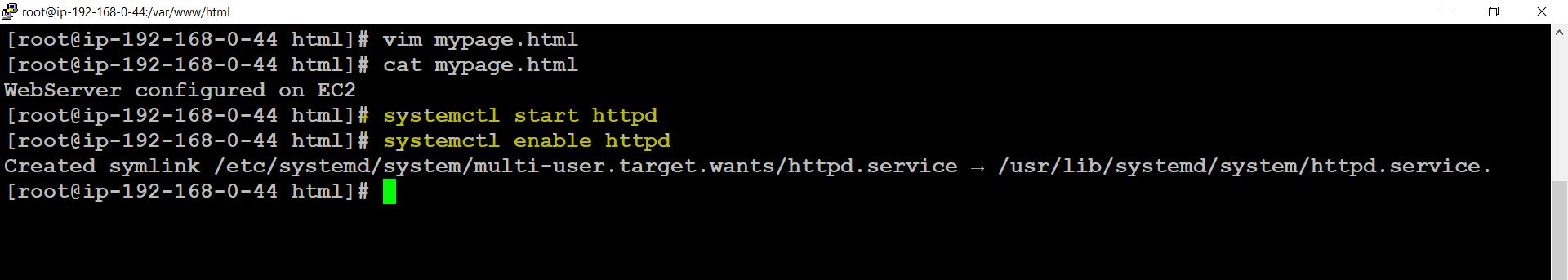
**Configure Web-Server**

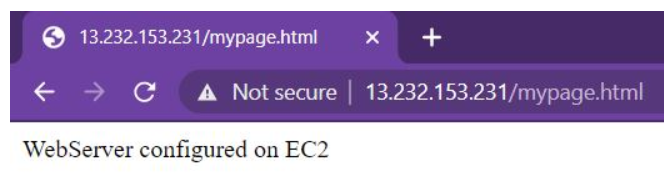
**# yum install httpd vim -y**

**# systemctl start httpd**

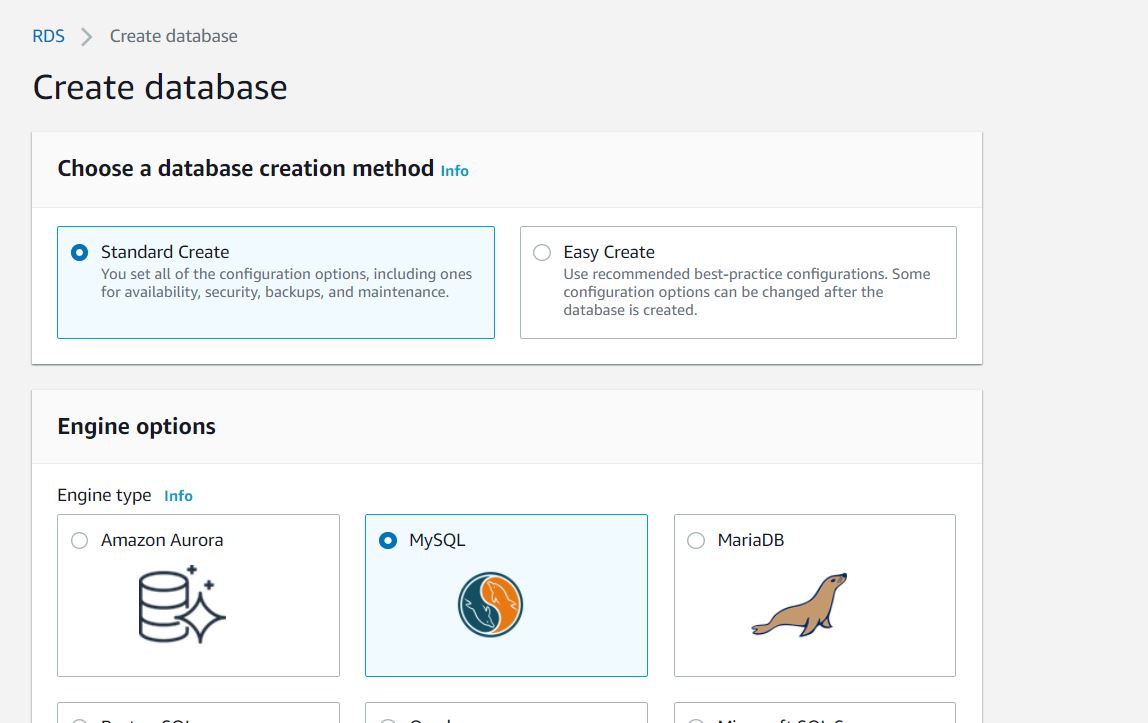
**# systemctl enable httpd**

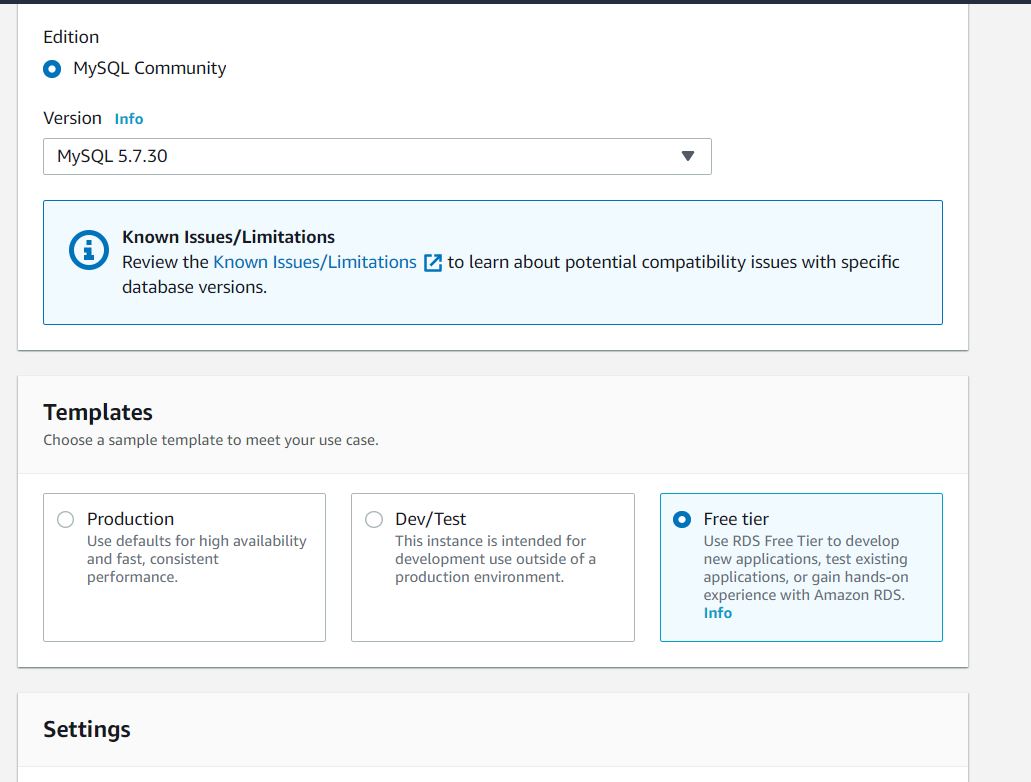
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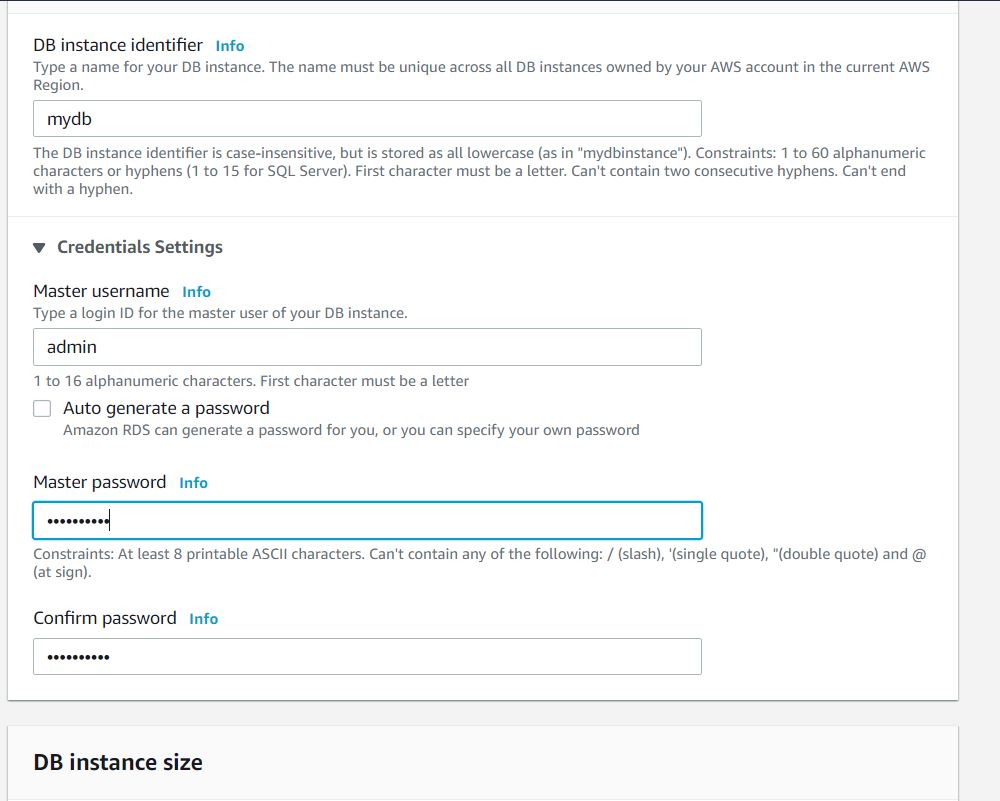
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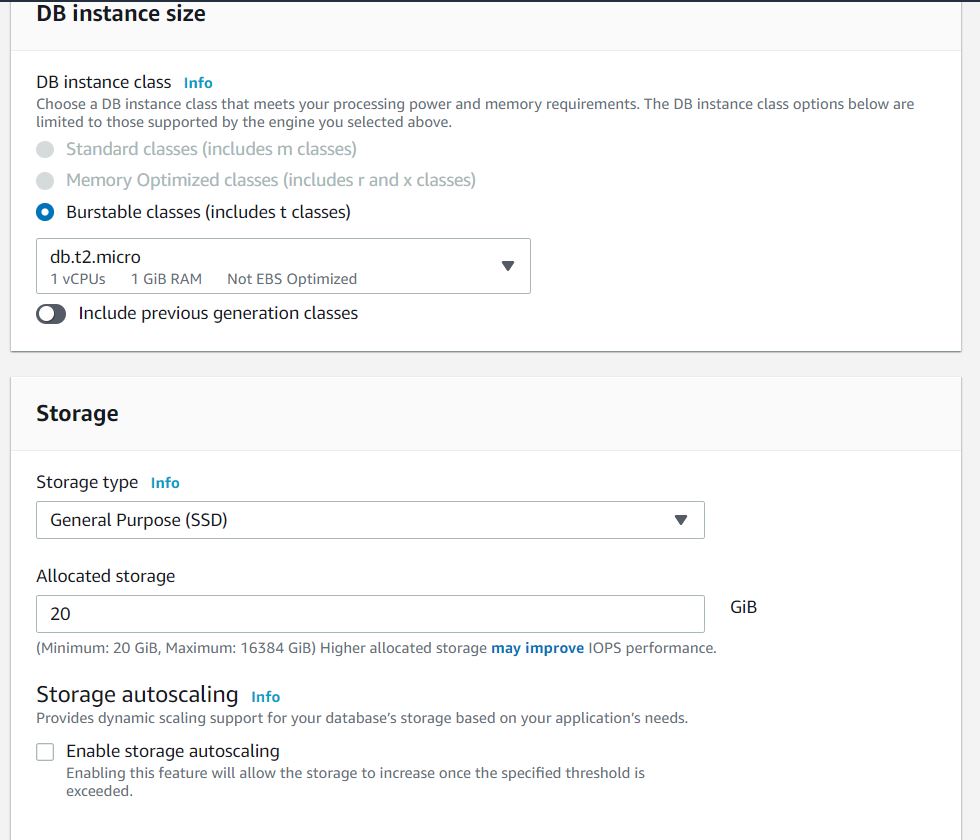


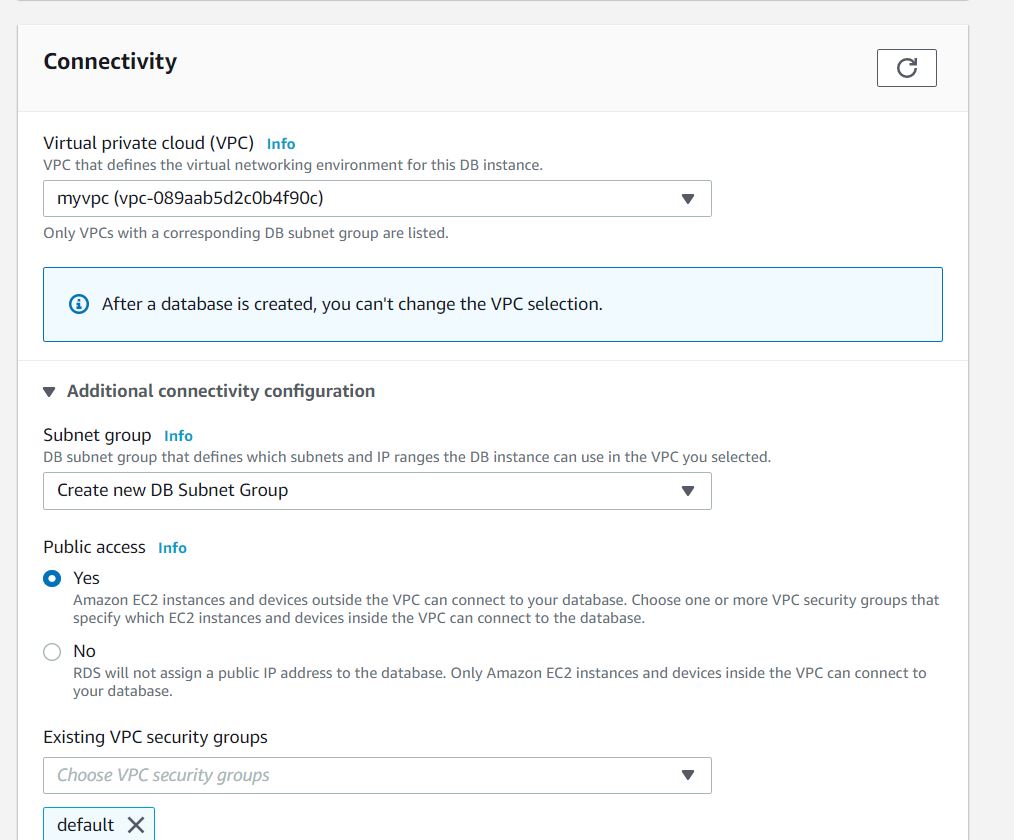
**Creation of Database in RDS**

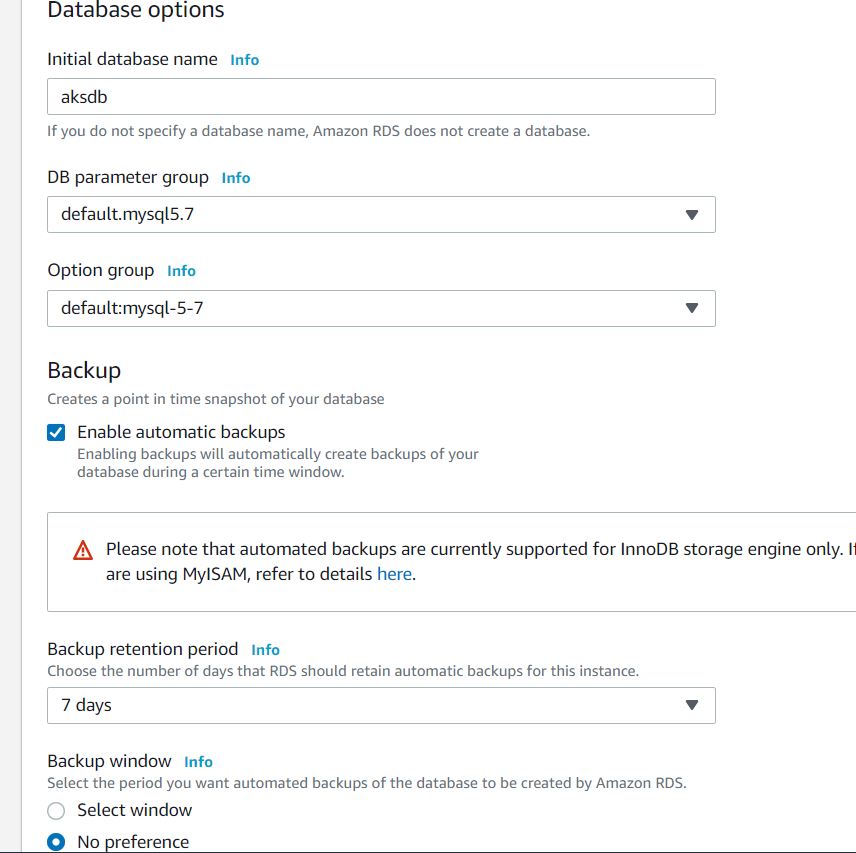
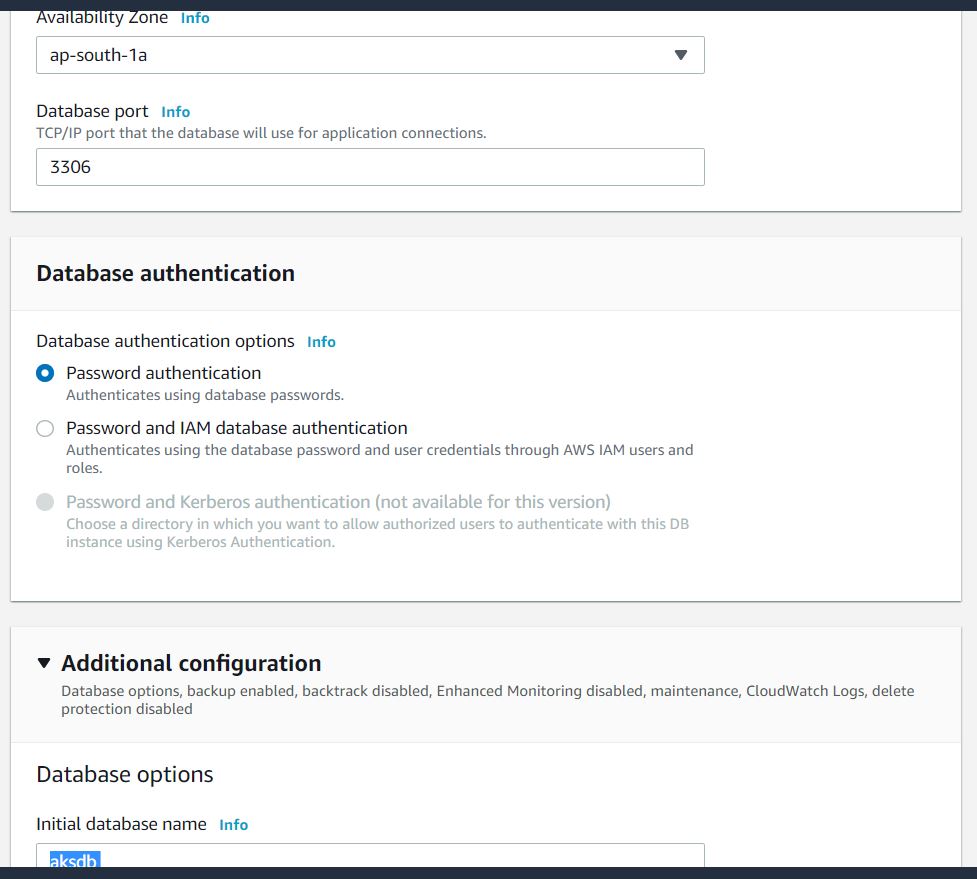
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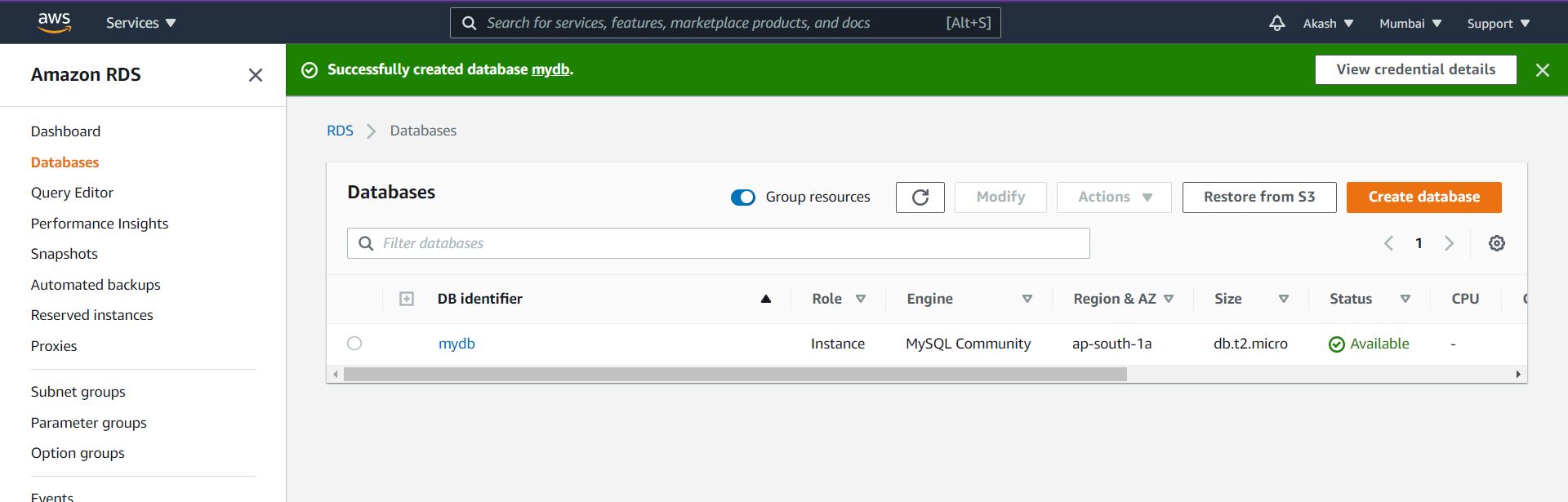
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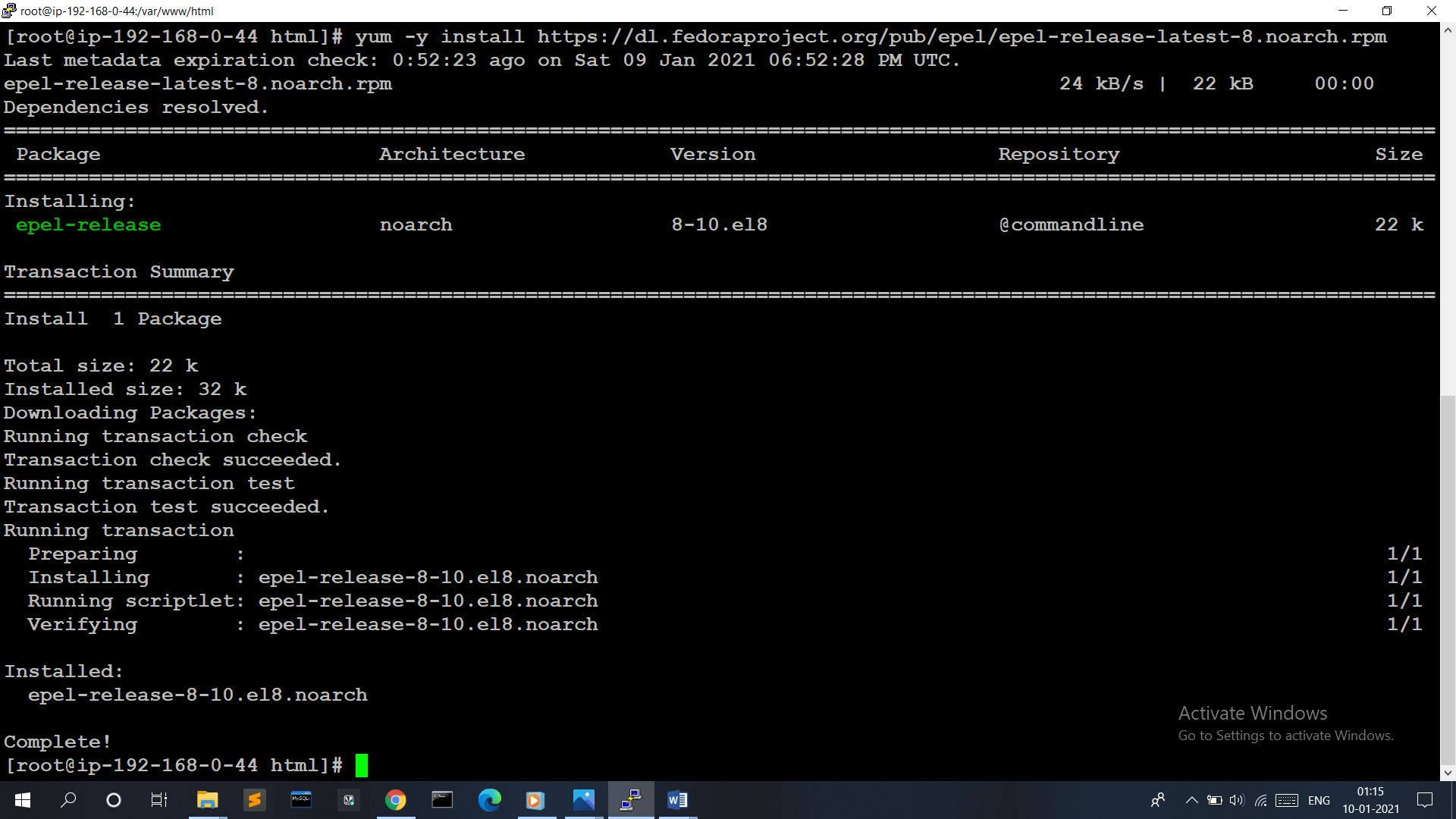
**Note :- Pre-requisite for WordPress is PHP7.4. So, we have to Install PHP version 7.4**

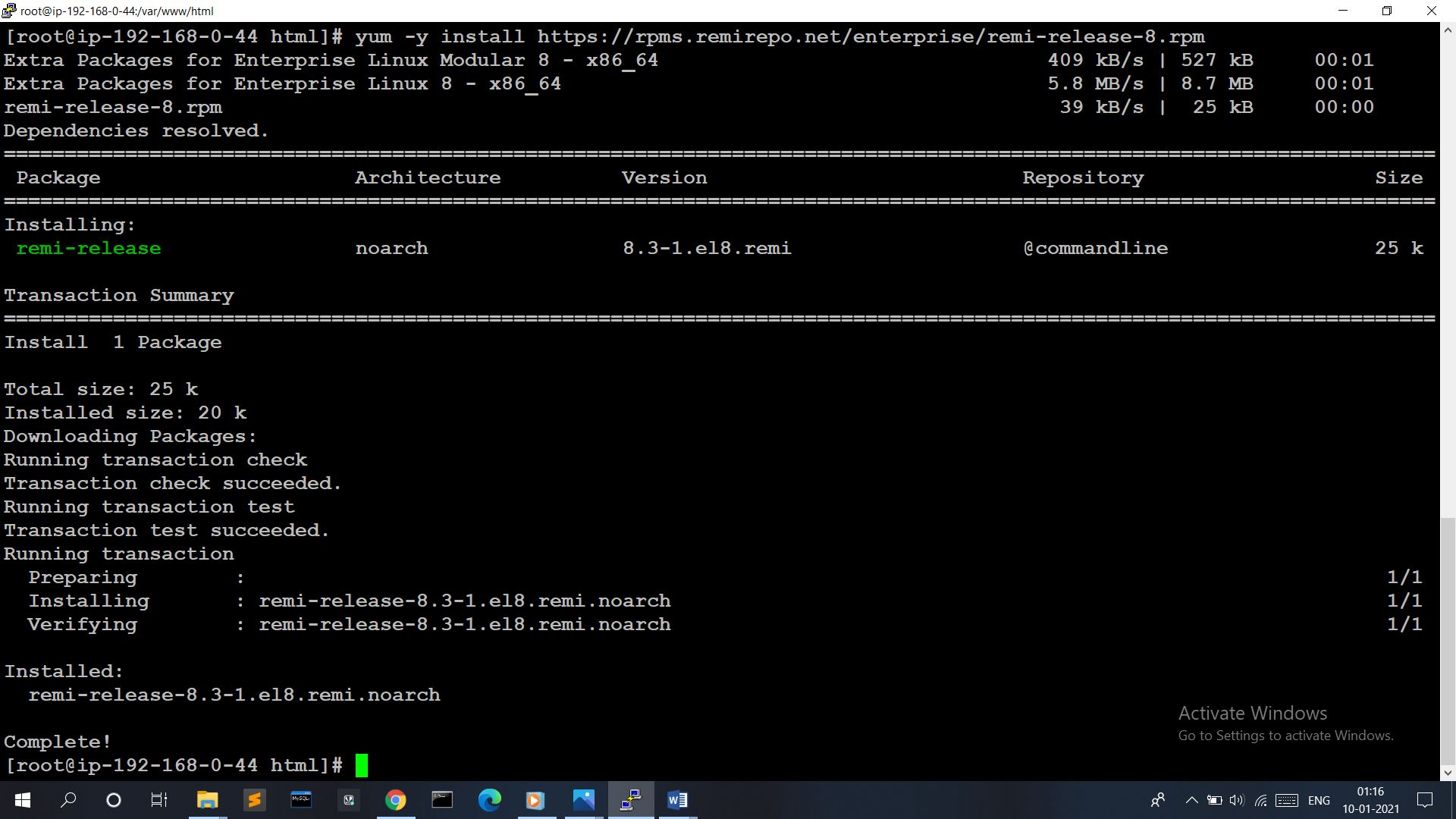
**Install PHP7.4 in RHEL 8**

**EPEL and REMI repositories are the main requirements for this installation**

**# yum -y install** [**https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm**](https://dl.fedoraproject.org/pub/epel/epel-release-latest-8.noarch.rpm)

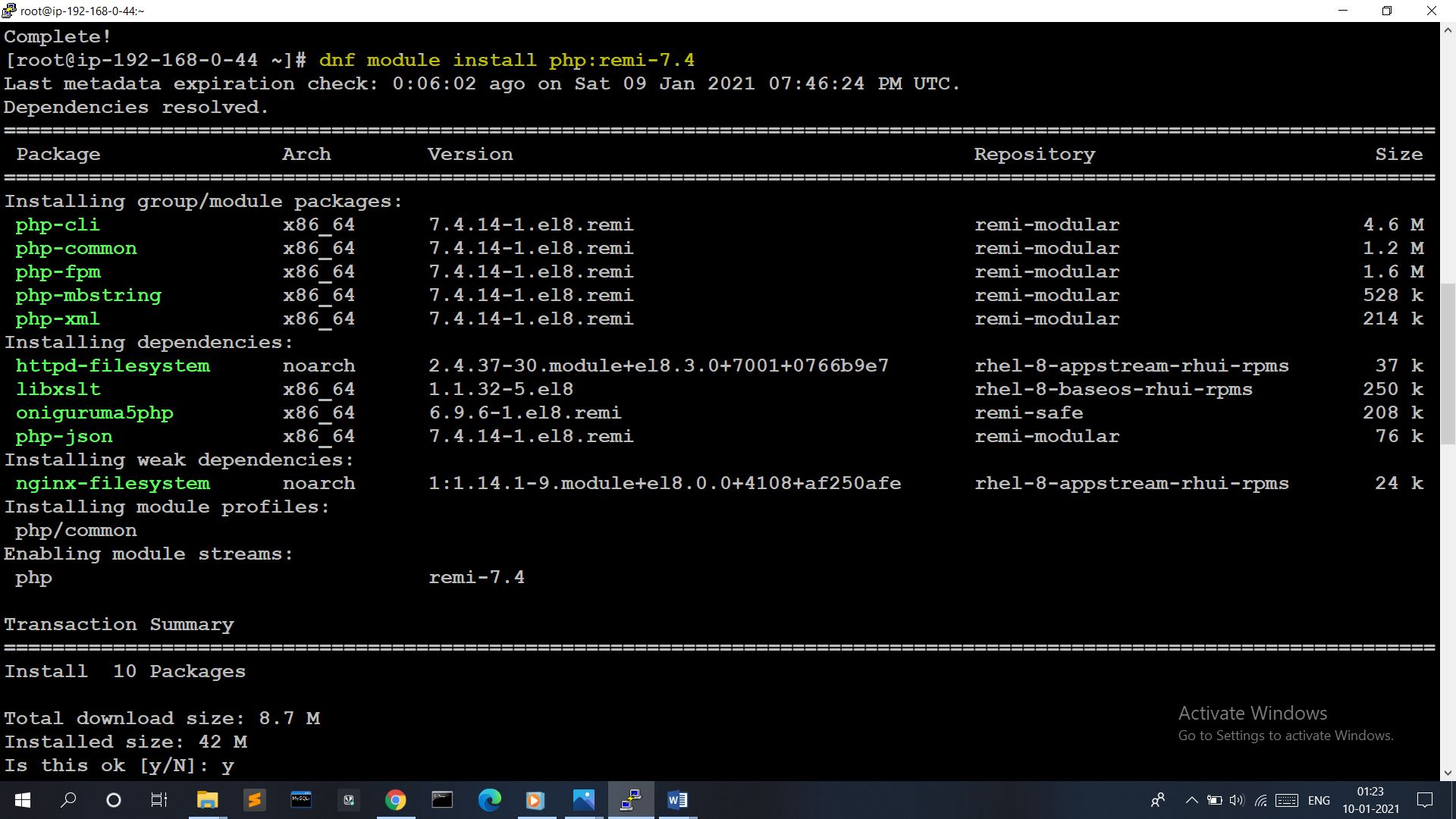
**# yum -y install** [**https://rpms.remirepo.net/enterprise/remi-release-8.rpm**](https://rpms.remirepo.net/enterprise/remi-release-8.rpm)

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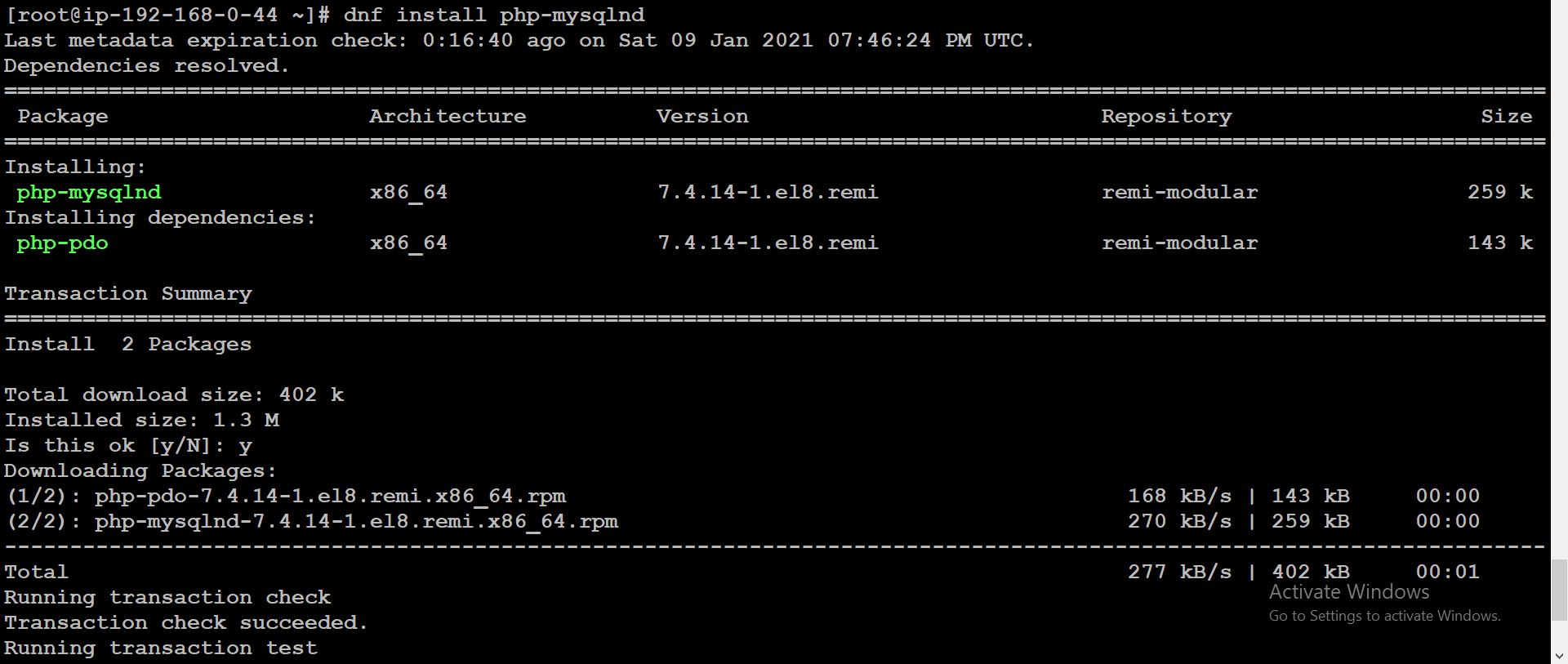
**Enable the Module Stream for PHP 7.4 on RHEL 8**

**# dnf module install php:remi-7.4**

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**Install mysqlnd Library**

**# dnf install php-mysqlnd**

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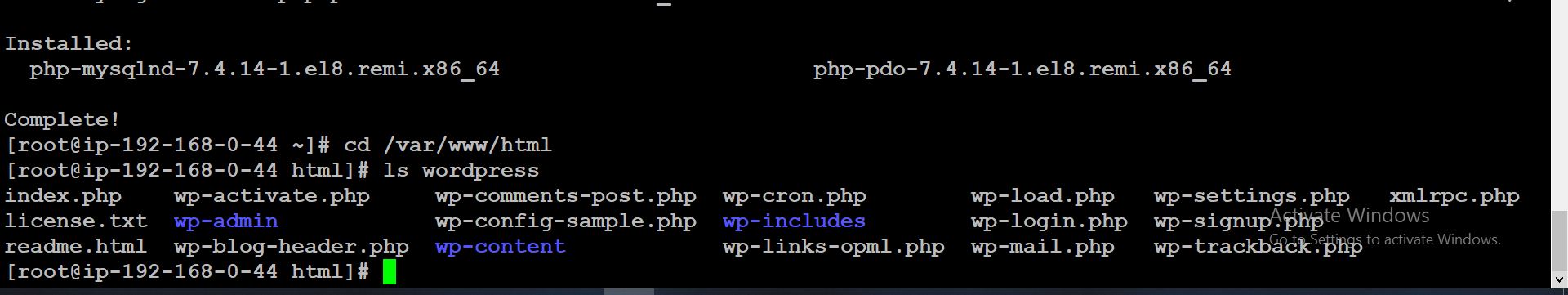
**Download and extract WordPress :-**

**# curl** [**https://wordpress.org/latest.tar.gz**](https://wordpress.org/latest.tar.gz) **--output wordpress.tar.gz**

**# tar xf wordpress.tar.gz**

**Copy the Extracted wordpress directory into /var/www/html directory**

**# cp -r wordpress /var/www/html**

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**Change Permissions and change File SELinux security context :-**

**# chown -R apache:apache /var/www/html/wordpress**

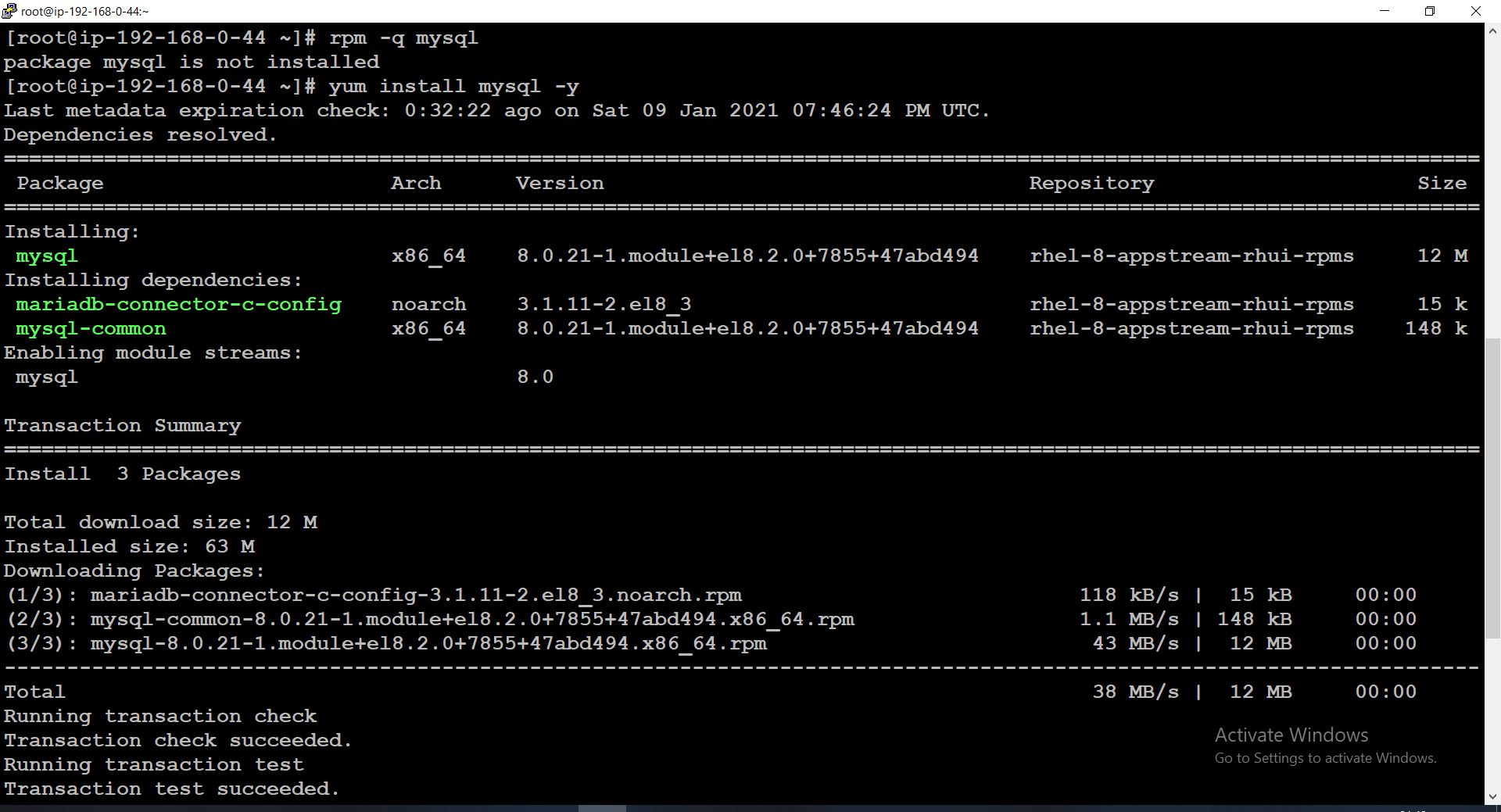
**# chcon -t httpd\_sys\_rw\_content\_t /var/www/html/wordpress -R**

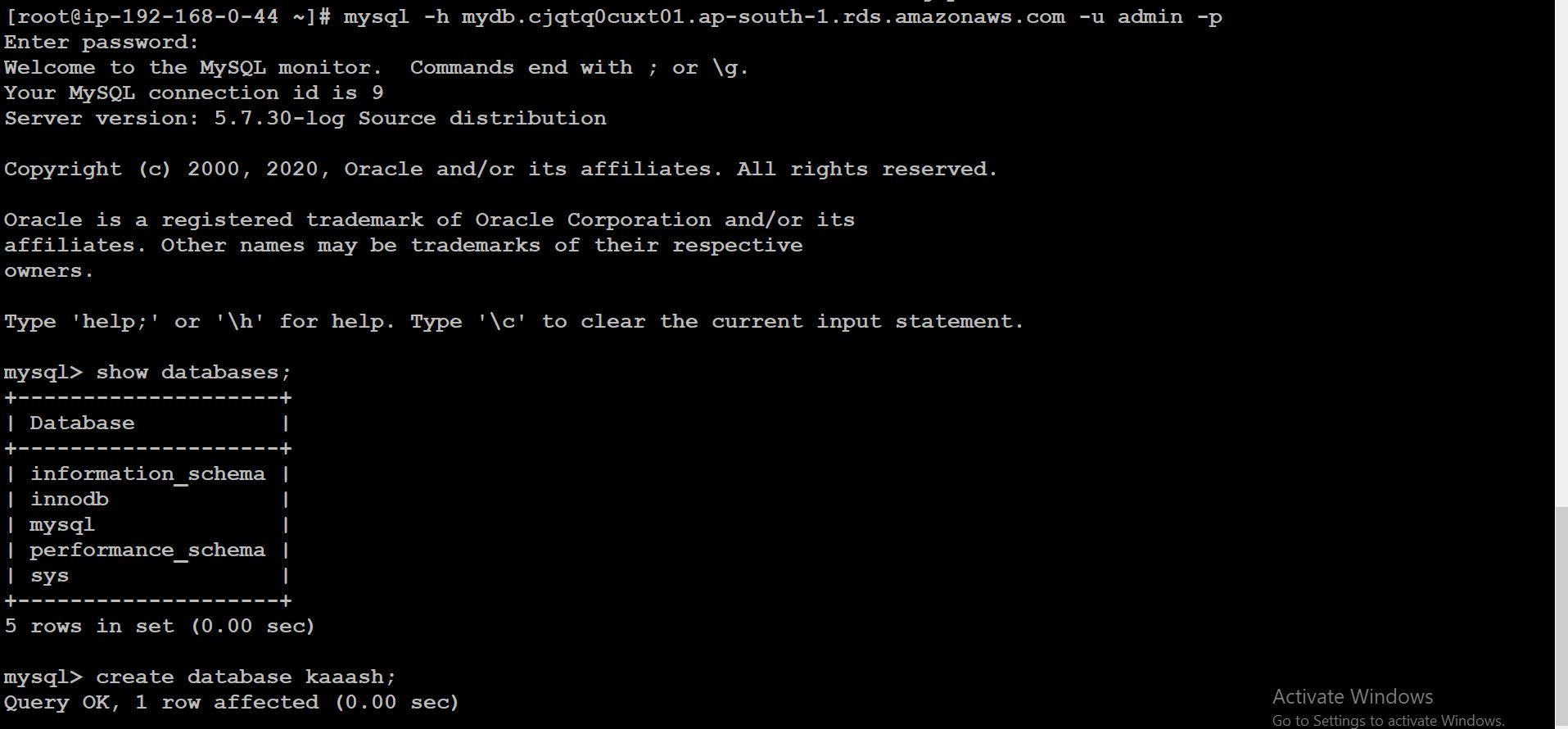
**Now, we have to install mysql in EC2 Instance and create one database**

**# yum install mysql -y**

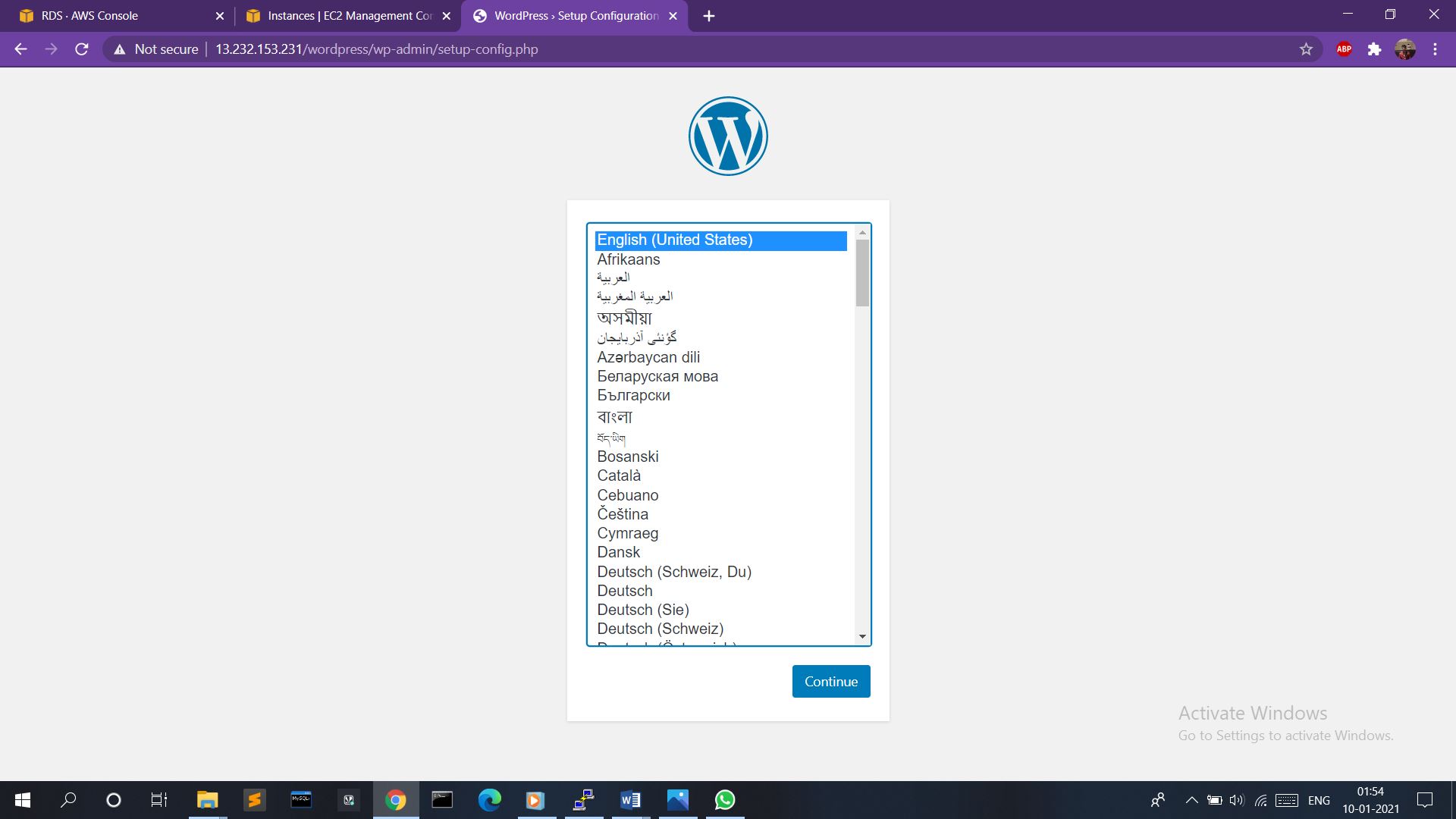
**# mysql -h mydb.cjqtq0cuxt01.ap-south-1.rds.amazonaws.com -u admin -p**

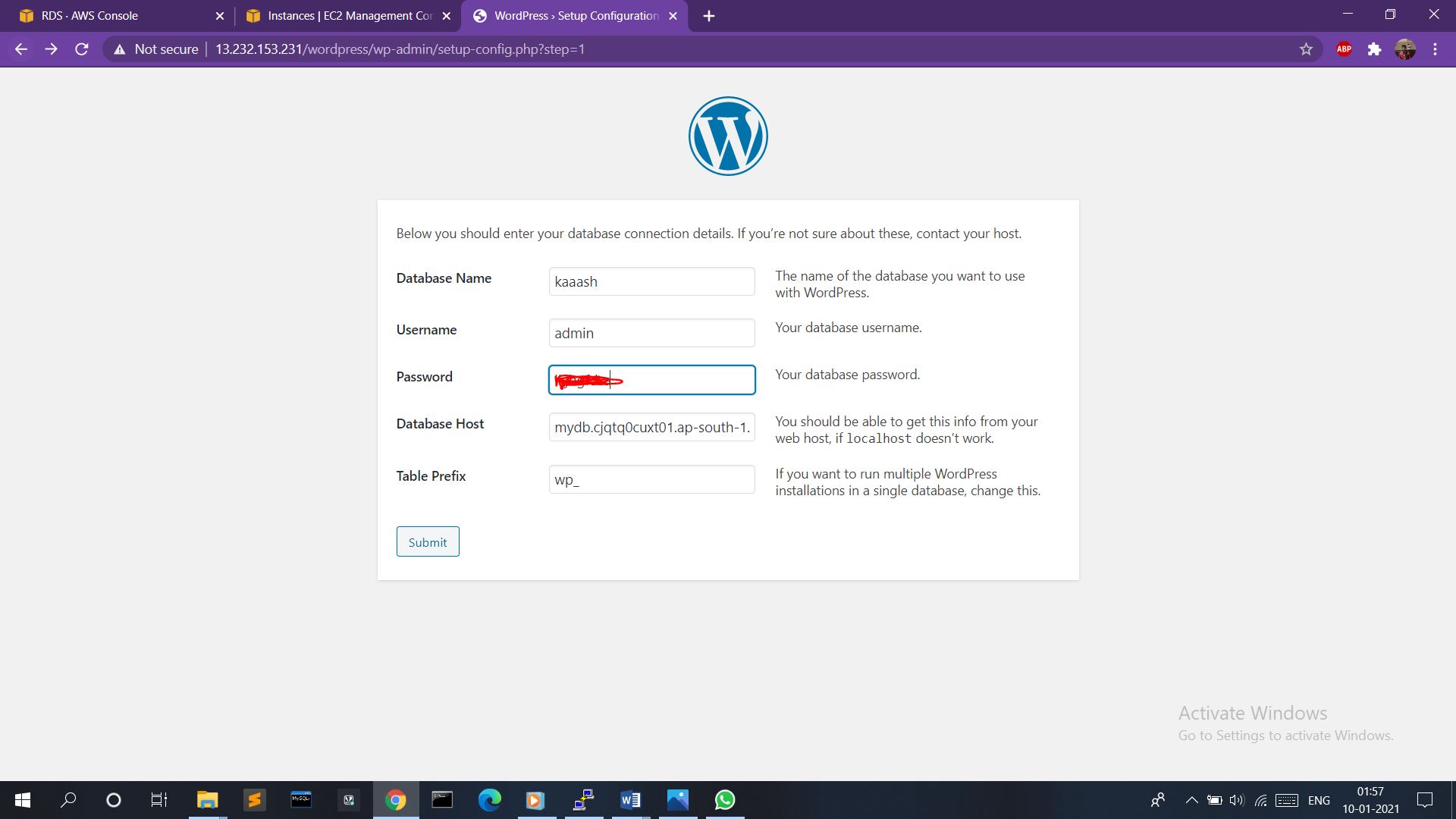
**# create database kaaash;**

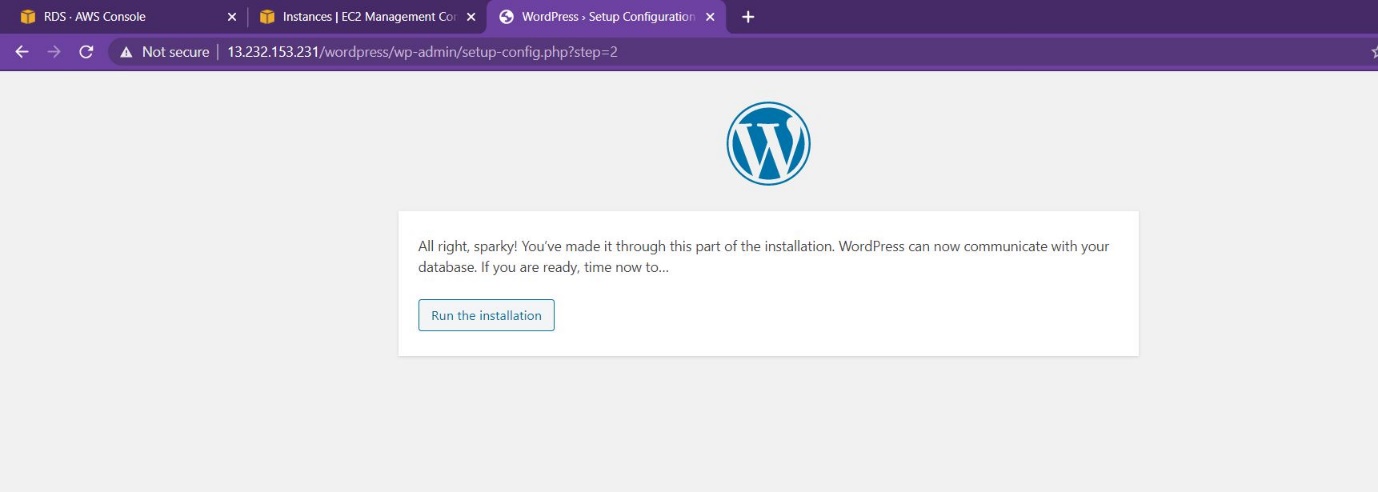
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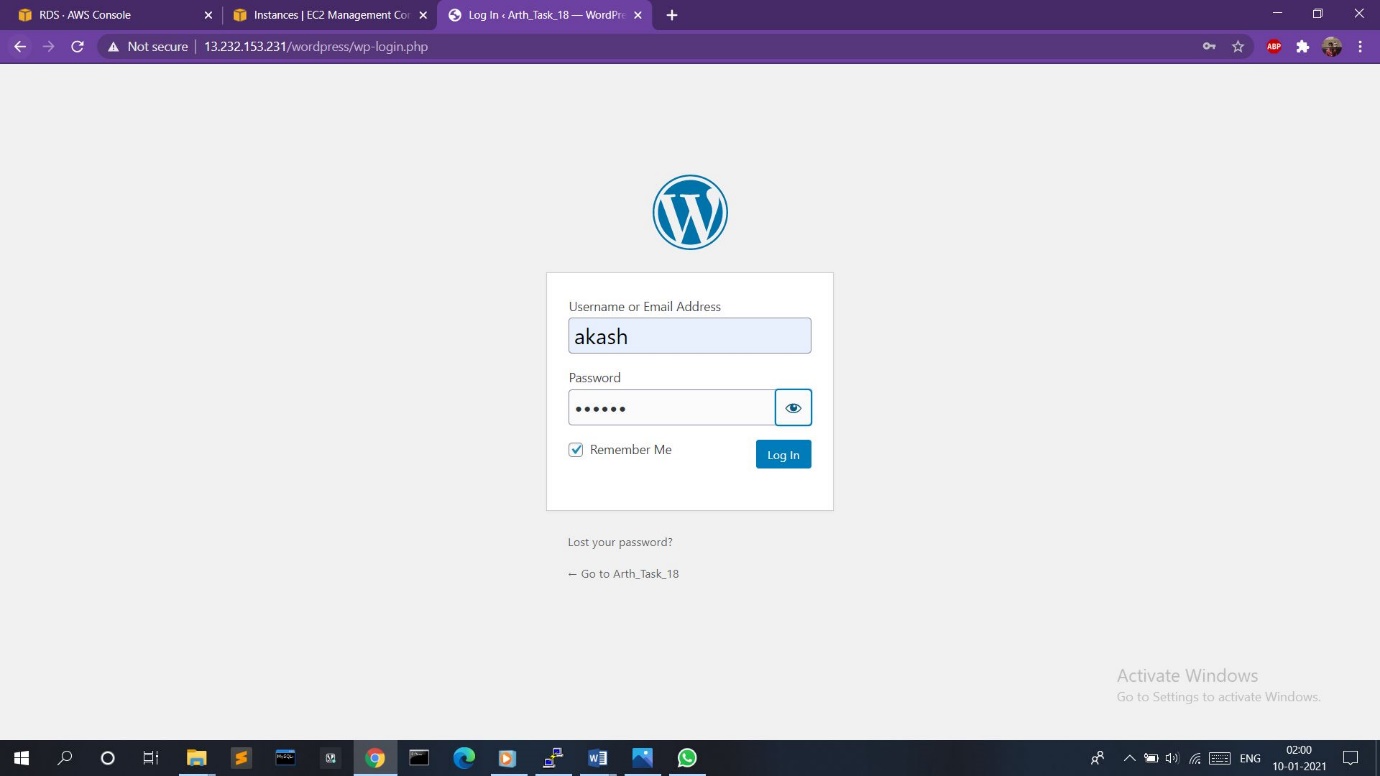
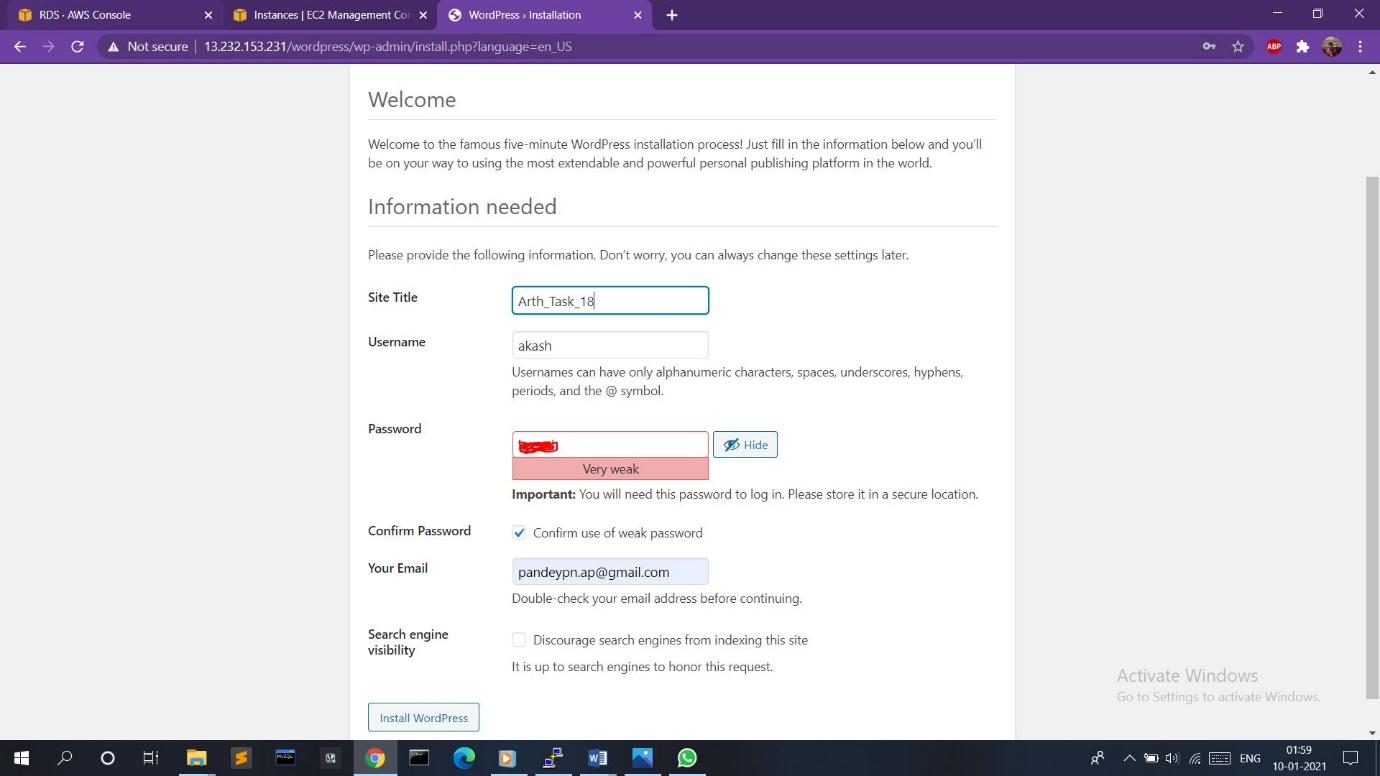
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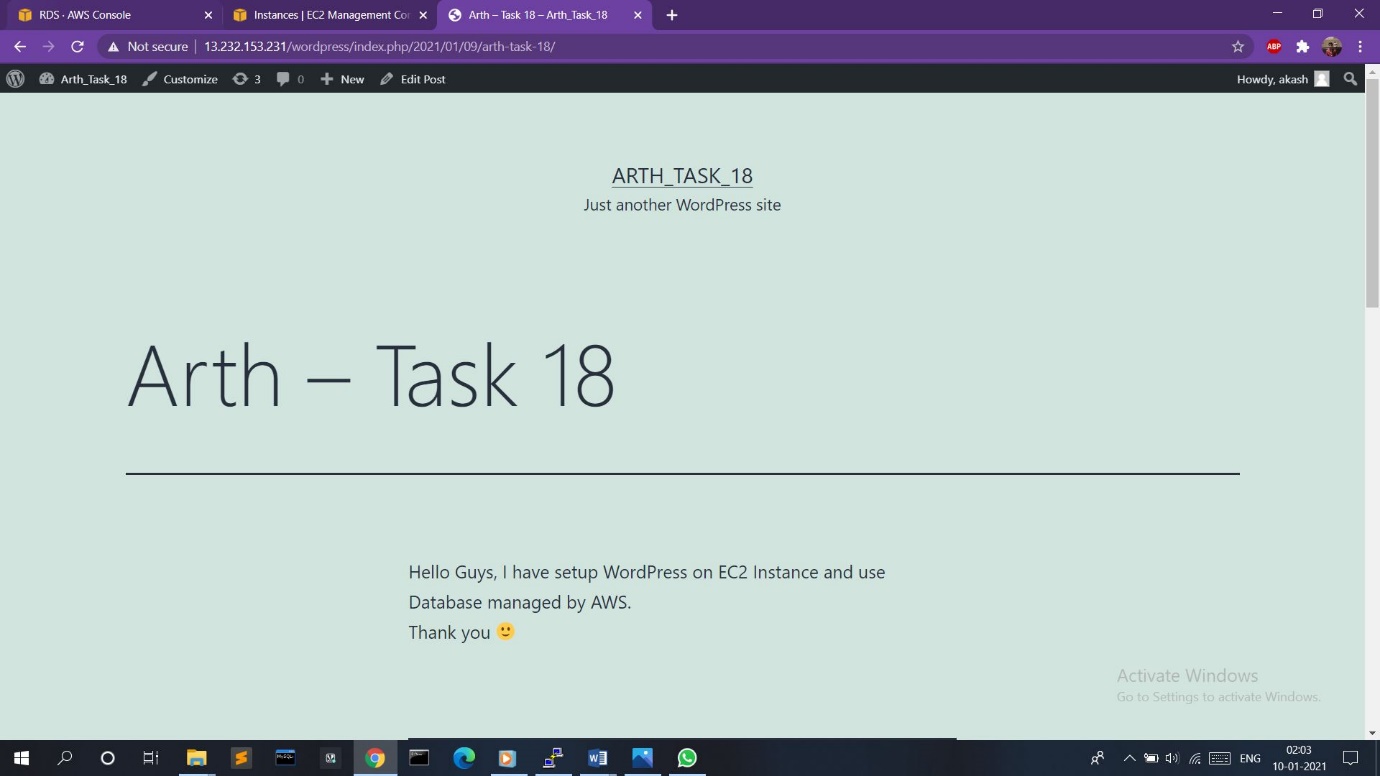
**Now, Set-up WordPress**

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**Thank you ☺**