

VIRTUELIZOVANI MREŽNI SISTEMI – PROJEKAT

Prvi korak je napraviti zonu na besplatnom DNS hosting provajderu gde se hostuje taj poddomen.

Treba odabrati Master zona - da taj server bude glavni za taj DNS.

Od ponuđenih DNS servisa, treba izabrati jedan i njega povezati sa studentskim poddomenom tako sto unesemo u user.raf.edu.rs u formi kreiranje domena tu adresu (ns41.cloudns.net) i time kreiramo NS zapis ili pointer na aivancev2119ri.raf-students.rs domenu.

The screenshot displays the CloudNS DNS Hosting management interface. At the top, there's a header with 'DNS Hosting' and various status icons (Free, 1/1, 6/50, 0/500K, 0/1). Below this, a 'Zones' section shows the active zone 'aivancev2119ri.raf-student.rs' with creation and update dates of 2023-01-05. The main area shows a search for 'aivancev2119ri.raf-student.rs' with buttons for 'Check zone file', 'Check on dns.computer', and 'Deactivate'. A list of DNS records is shown with columns for Host, Type, Points to, and TTL. The records include four NS records pointing to ns41.cloudns.net, ns42.cloudns.net, ns43.cloudns.net, and ns44.cloudns.net, and one A record for test.aivancev2119ri.raf-student.rs pointing to 8.8.8.8. At the bottom, there's a 'Copy' button, a dropdown for 'the selected records to', a '- Select domain -' dropdown, an 'execute' button, and a '+ Add new record' button.

Host	Type	Points to	TTL
aivancev2119ri.raf-student.rs	NS	ns41.cloudns.net	1h
aivancev2119ri.raf-student.rs	NS	ns42.cloudns.net	1h
aivancev2119ri.raf-student.rs	NS	ns43.cloudns.net	1h
aivancev2119ri.raf-student.rs	NS	ns44.cloudns.net	1h
test.aivancev2119ri.raf-student.rs	A	8.8.8.8	1h

Zatim, kreirati nalog na AWS.

Napraviti Amazon EC2 instancu.

Name and tags [Info](#)

Name

aivancev

[Add additional tags](#)

▼ Application and OS Images (Amazon Machine Image) [Info](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

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Ubuntu



Windows



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the Community

Amazon Machine Image (AMI)

Ubuntu Server 22.04 LTS (HVM), SSD Volume Type

ami-03c476a1ca8e3ebdc (64-bit (x86)) / ami-088a0eca76e860cf2 (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible ▼

Description

Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2022-12-06

Architecture

64-bit (x86) ▼

AMI ID

ami-03c476a1ca8e3ebdc

Verified provider

▼ Instance type [Info](#)

Instance type

t2.micro

Free tier eligible

Family: t2

1 vCPU

1 GiB Memory

On-Demand Linux pricing: 0.0132 USD per Hour

On-Demand Windows pricing: 0.0178 USD per Hour

▼

[Compare instance types](#)

▼ Key pair (login) [Info](#)

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

anci

▼

↻

[Create new key pair](#)

Da bismo zaštitili instancu, pravimo key pair koji sadrži privatni i javni ključ.

Izabrali RSA i PPK da bismo se SSH-ovali preko Putty-a u Windowsu.

☑ Successfully created key pair

×

Key pairs (1) [Info](#)

↻

Actions ▼

Create key pair

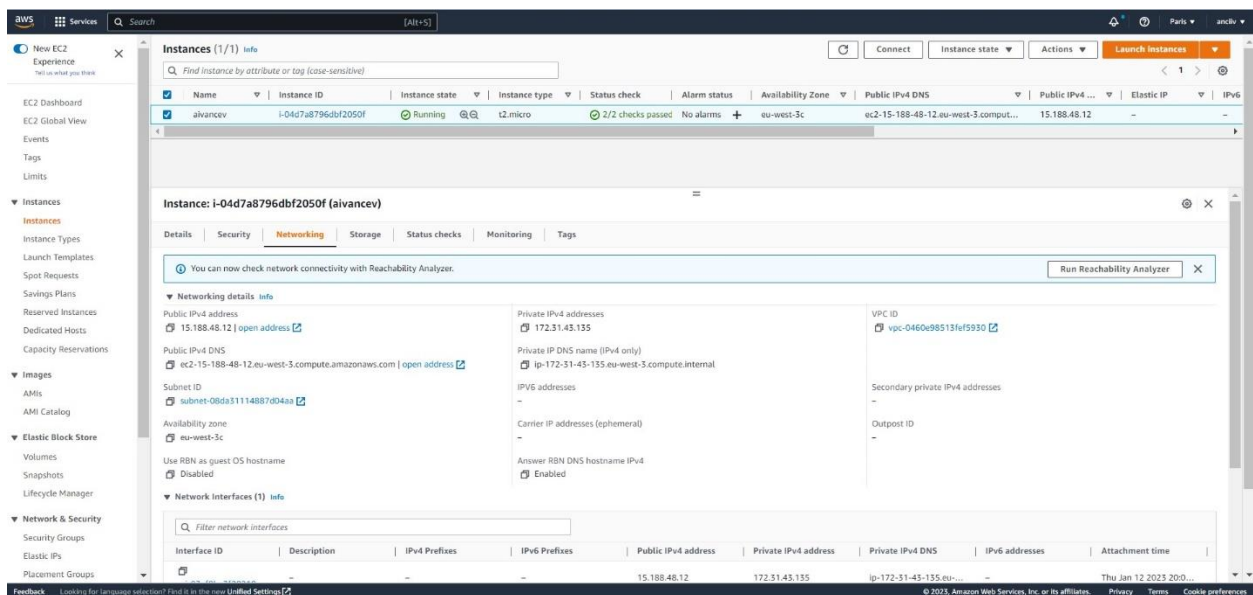
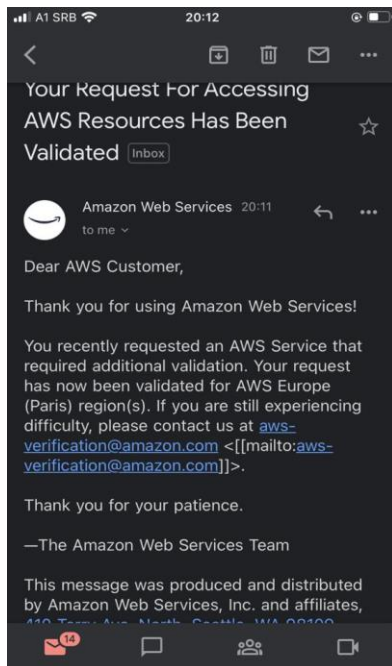
Q Search

< 1 > ⚙

<input type="checkbox"/>	Name	Type	Created	Fingerprint	ID
<input type="checkbox"/>	anci	rsa	2023/01/12 19:41 GMT+1	14:2f4c60:6ea8:57:fb:01:b0:1c40:fd:b...	key-0ed48dff1e75c1123

Za Network Settings i Configure Storage ostaviti defaultna podešavanja.

Ana Ivančev RI21/19



Uspešno kreirana instanca na AWS Cloud-u.

Zatim, pristupiti instanci preko putty-a.

Host Name: ubuntu@ec2-15-188-48-12.eu-west-3.compute.amazonaws.com

Port: 22

SSH/Authentication/anci.ppk

Sačuvati sesiju.

Instaliranje Apache Web Servera na Ubuntu 22.04

Apache je dostupan u okviru Ubuntu-ovih podrazumevanih softverskih depoa, što omogućava njegovu instalaciju pomoću konvencionalnih alati za upravljanje paketima.

Počnite ažuriranjem indeksa lokalnog paketa tako što ćete odražavati najnovije uzvodne promene:

```
$ sudo apt update
```

```
$ sudo apt install apache2
```

Pre testiranja Apača, neophodno je izmeniti postavke zaštitnog zida da biste dozvolili pristup podrazumevanim Veb portovima spolja.

```
$ sudo ufw app list
```

```
$ sudo ufw allow 'Apache'
```

Izlaz će obezbediti listu dozvoljenih HTTP saobraćaja:

```
ubuntu@anaivancev:~$ sudo ufw status
Status: active

To Action From
--
Apache ALLOW Anywhere
OpenSSH ALLOW Anywhere
Apache Full ALLOW Anywhere
Apache (v6) ALLOW Anywhere (v6)
OpenSSH (v6) ALLOW Anywhere (v6)
Apache Full (v6) ALLOW Anywhere (v6)
```

Na kraju procesa instalacije, Ubuntu 22.04 pokreće Apache. Web server će već biti pokrenut.

Uverite se da je usluga aktivna pokretanjem komande za sistemski init sistem:

```
ubuntu@anaivancev:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-01-13 17:55:59 UTC; 1h 55min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 10557 (apache2)
    Tasks: 12 (limit: 1143)
   Memory: 46.2M
      CPU: 816ms
   CGroup: /system.slice/apache2.service
           └─10557 /usr/sbin/apache2 -k start
             10558 /usr/sbin/apache2 -k start
             10559 /usr/sbin/apache2 -k start
             10560 /usr/sbin/apache2 -k start
             10561 /usr/sbin/apache2 -k start
             11433 /usr/sbin/apache2 -k start
             11435 /usr/sbin/apache2 -k start
             11436 /usr/sbin/apache2 -k start
             11437 /usr/sbin/apache2 -k start
             11438 /usr/sbin/apache2 -k start
             11439 /usr/sbin/apache2 -k start
             11440 /usr/sbin/apache2 -k start

Jan 13 17:55:59 ip-172-31-43-135 systemd[1]: This usually indicates unclean ter...
lines 1-28...skipping...
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-01-13 17:55:59 UTC; 1h 55min ago
     Docs: https://httpd.apache.org/docs/2.4/
   Main PID: 10557 (apache2)
    Tasks: 12 (limit: 1143)
   Memory: 46.2M
      CPU: 816ms
   CGroup: /system.slice/apache2.service
           └─10557 /usr/sbin/apache2 -k start
             10558 /usr/sbin/apache2 -k start
             10559 /usr/sbin/apache2 -k start
             10560 /usr/sbin/apache2 -k start
             10561 /usr/sbin/apache2 -k start
             11433 /usr/sbin/apache2 -k start
             11435 /usr/sbin/apache2 -k start
             11436 /usr/sbin/apache2 -k start
             11437 /usr/sbin/apache2 -k start
             11438 /usr/sbin/apache2 -k start
             11439 /usr/sbin/apache2 -k start
             11440 /usr/sbin/apache2 -k start

Jan 13 17:55:59 ip-172-31-43-135 systemd[1]: This usually indicates unclean termination of a previous run, or service implementation deficiencies.
Jan 13 17:55:59 ip-172-31-43-135 systemd[1]: Starting The Apache HTTP Server...
Jan 13 17:55:59 ip-172-31-43-135 systemd[1]: Started The Apache HTTP Server.
```

Da li Apache slusa na default portu 80, moze se proveriti netstat komandom:

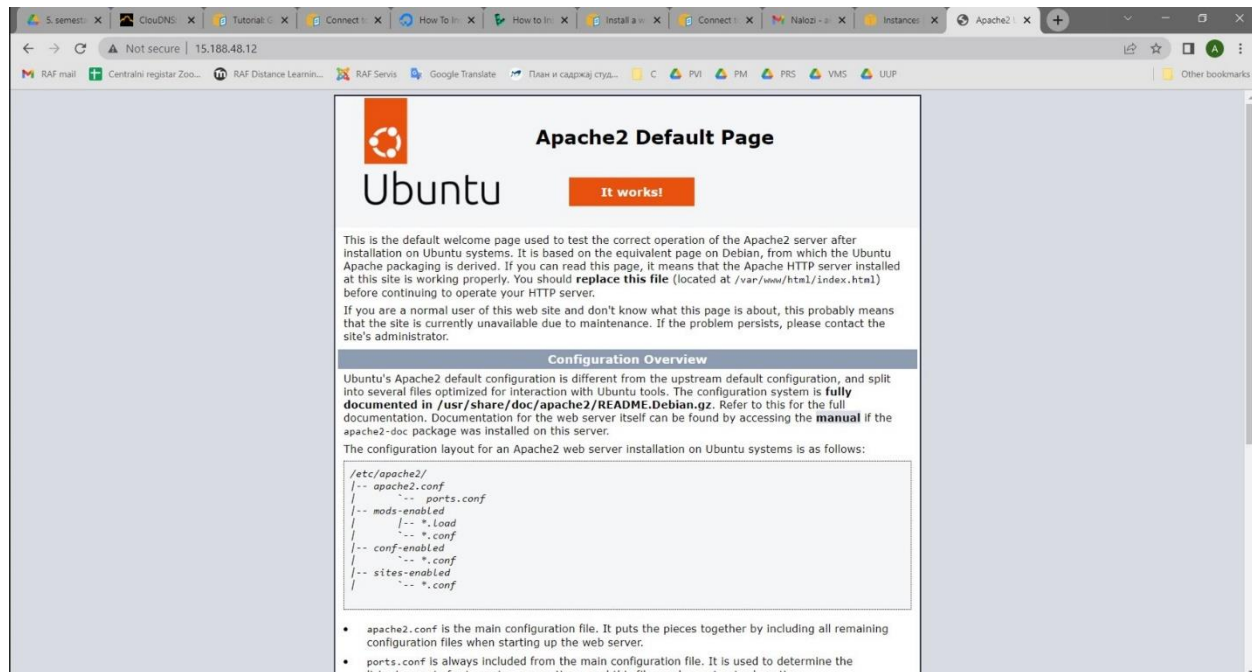
```
ubuntu@anaivancev:~$ netstat -anlp | grep 80
(Not all processes could be identified, non-owned process info
 will not be shown, you would have to be root to see it all.)
tcp6      0      0 :::80          :::*           LISTEN
-
unix 2      [ ACC ]     STREAM     LISTENING     78841
```

Ako je web server startovan, da bi se pristupilo masini, potrebno je omoguciti pristup portu 80 u security grupe same instance:

<input checked="" type="checkbox"/>	-	sg-06cf4595ab0fc0c4d	launch-wizard-1	vpc-0460e98513fef5930	launch-wizard-1 create...	924739471785	2 Permission entries	1 Permission entry
-------------------------------------	---	----------------------	-----------------	-----------------------	---------------------------	--------------	----------------------	--------------------

sg-06cf4595ab0fc0c4d - launch-wizard-1									
Details Inbound rules Outbound rules Tags									
You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer									
Inbound rules (2) Manage tags Edit inbound rules									
<input type="text" value="Filter security group rules"/>									
<input type="checkbox"/>	Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description	
<input type="checkbox"/>	-	sgr-0bb509deb30d9ccea	IPv4	HTTP	TCP	80	0.0.0.0/0	-	
<input type="checkbox"/>	-	sgr-02e9b47da19acd8...	IPv4	SSH	TCP	22	0.0.0.0/0	-	

Ovde se vidi da je ovoj instanci moguće pristupiti putem ssh-a preko njegovog default porta 22, kao i putem http-a preko default porta na kome sluša apache web server, a to je port 80.



Sam proces instalacije Maria DB verzije MySQL servera započinje unošenjem u terminal komande:

```
$ sudo apt-get install mariadb-server
```

Vezu sa My SQL serverom možemo testirati, unošenjem u terminal komande: `sudo mysql`

```
ubuntu@anaivancev:~$ sudo mysql
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 11
Server version: 10.6.11-MariaDB-0ubuntu0.22.04.1 Ubuntu 22.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]> show databases;
+-----+
| Database                |
+-----+
| information_schema      |
| mysql                   |
| performance_schema      |
| sys                     |
+-----+
4 rows in set (0.001 sec)

MariaDB [(none)]> quit;
Bye
ubuntu@anaivancev:~$
```

Inicijalna zaštita i konfiguracija se vrši unošenjem u terminal komande: `sudo mysql_secure_installation`

Pristup MySQL serveru, korišćenjem novih parametara za pristup, može se testirati sledećom komandom:

```
ubuntu@anaivancev:~$ sudo mysql -u root -h localhost -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 12
Server version: 10.6.11-MariaDB-0ubuntu0.22.04.1 Ubuntu 22.04

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]>
```


Uverite se da je usluga aktivna pokretanjem komande za sistemski init sistem:

```
ubuntu@anaivancev:~$ sudo systemctl status mysql
● mariadb.service - MariaDB 10.6.11 database server
   Loaded: loaded (/lib/systemd/system/mariadb.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-01-13 17:56:35 UTC; 2h 46min ago
     Docs: man:mariadb(8)
           https://mariadb.com/kb/en/library/systemd/
   Main PID: 11254 (mariadb)
   Status: "Taking your SQL requests now..."
     Tasks: 9 (limit: 1143)
    Memory: 59.6M
       CPU: 2.209s
   CGroup: /system.slice/mariadb.service
           └─11254 /usr/sbin/mariadb

Jan 13 17:56:35 ip-172-31-43-135 systemd[1]: Started MariaDB 10.6.11 database server.
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11268]: Upgrading MySQL tables if necessary.
Jan 13 17:56:35 ip-172-31-43-135 mariadb[11254]: 2023-01-13 17:56:35 3 [Warning] Access denied for user 'debian-sys-maint'@'localhost' (using password: YES)
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11271]: Looking for 'mariadb' as: /usr/bin/mariadb
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11271]: Reading datadir from the MariaDB server failed. Got the following error when executing the 'mysql' command line client
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11271]: ERROR 1045 (28000): Access denied for user 'debian-sys-maint'@'localhost' (using password: YES)
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11271]: FATAL ERROR: Upgrade failed
Jan 13 17:56:35 ip-172-31-43-135 mariadb[11254]: 2023-01-13 17:56:35 4 [Warning] Access denied for user 'debian-sys-maint'@'localhost' (using password: YES)
Jan 13 17:56:35 ip-172-31-43-135 debian-start[11280]: ERROR 1045 (28000): Access denied for user 'debian-sys-maint'@'localhost' (using password: YES)
lines 1-23...skipping...
● mariadb.service - MariaDB 10.6.11 database server
   Loaded: loaded (/lib/systemd/system/mariadb.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-01-13 17:56:35 UTC; 2h 46min ago
     Docs: man:mariadb(8)
           https://mariadb.com/kb/en/library/systemd/
   Main PID: 11254 (mariadb)
   Status: "Taking your SQL requests now..."
     Tasks: 9 (limit: 1143)
    Memory: 59.6M
       CPU: 2.209s
   CGroup: /system.slice/mariadb.service
           └─11254 /usr/sbin/mariadb

Jan 13 17:56:35 ip-172-31-43-135 systemd[1]: Started MariaDB 10.6.11 database server.
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11268]: Upgrading MySQL tables if necessary.
Jan 13 17:56:35 ip-172-31-43-135 mariadb[11254]: 2023-01-13 17:56:35 3 [Warning] Access denied for user 'debian-sys-maint'@'localhost' (using password: YES)
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11271]: Looking for 'mariadb' as: /usr/bin/mariadb
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11271]: Reading datadir from the MariaDB server failed. Got the following error when executing the 'mysql' command line client
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11271]: ERROR 1045 (28000): Access denied for user 'debian-sys-maint'@'localhost' (using password: YES)
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11271]: FATAL ERROR: Upgrade failed
Jan 13 17:56:35 ip-172-31-43-135 /etc/mysql/debian-start[11277]: Checking for insecure root accounts.
Jan 13 17:56:35 ip-172-31-43-135 mariadb[11254]: 2023-01-13 17:56:35 4 [Warning] Access denied for user 'debian-sys-maint'@'localhost' (using password: YES)
Jan 13 17:56:35 ip-172-31-43-135 debian-start[11280]: ERROR 1045 (28000): Access denied for user 'debian-sys-maint'@'localhost' (using password: YES)
~
~
```

Ako je mysql startovan, da bi se pristupilo masini, potrebno je omoguciti pristup portu 3360 u security grupe same instance:

▼ Inbound rules

Q

Filter rules

<1>

Name	Security group rule ID	Port range	Protocol	Source	Security groups	Description
-	sgr-0bb509deb30d9ccea	80	TCP	0.0.0.0/0	launch-wizard-1	-
-	sgr-0df913a18674d9081	All	All	0.0.0.0/0	launch-wizard-1	-
-	sgr-099d45372f4c4fe21	3306	TCP	0.0.0.0/0	launch-wizard-1	-
-	sgr-02e9b47da19acd828	22	TCP	0.0.0.0/0	launch-wizard-1	-

Sledeći korak je instalacija i konfiguracija PHP interpretera. Za instalaciju PHP interpretera i drugih PHP dodataka, u terminal se unose sledeće komande:

```
$ sudo apt-get install php-fpm php-mysql php-common
```

```
$ sudo apt-get install php-gd php-json php-cli
```

```
$ sudo apt-get install php-curl libapache2-mod-php
```

Pre daljih aktivnosti neophodno je izvršiti testiranje, odnosno proveru da li PHP interpreter radi kako treba kroz Apache Web server. Zato je neophodno kreirati probnu PHP skriptu, čiji je zadatak da izvrši PHP kod i prikaže opšte podatke o PHP interpreteru. U tu svrhu, unutar foldera kojeg opslužuje Apache Web server, potrebno je kreirati test.php fajl, unošenjem u terminal komande:


```
$ sudo nano /var/www/html/test.php
```

Kroz nano editor je potrebno uneti probni PHP kod `<?php phpinfo(); ?>`, sačuvati promene i izaći iz editora.

Neophodno je proveriti da li se kreirana PHP stranica može otvoriti.

← → ↻ ⚠ Not secure | 15.188.48.12/test.php

RAF mail Centralni registar Zoo... RAF Distance Learn... RAF Servis Google Translate План и садржај студ... C PVI PM PRS VMS UUP

PHP Version 8.1.2-1ubuntu2.9

System	Linux anlavancev 5.15.0-1026-aws #30-Ubuntu SMP Wed Nov 23 14:15:21 UTC 2022 x86_64
Build Date	Oct 19 2022 14:58:09
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.1/apache2/conf.d
Additional .ini files parsed	/etc/php/8.1/apache2/conf.d/10-mysqlnd.ini, /etc/php/8.1/apache2/conf.d/10-opcache.ini, /etc/php/8.1/apache2/conf.d/10-pdo.ini, /etc/php/8.1/apache2/conf.d/15-xml.ini, /etc/php/8.1/apache2/conf.d/20-calendar.ini, /etc/php/8.1/apache2/conf.d/20-ctype.ini, /etc/php/8.1/apache2/conf.d/20-curl.ini, /etc/php/8.1/apache2/conf.d/20-dom.ini, /etc/php/8.1/apache2/conf.d/20-exif.ini, /etc/php/8.1/apache2/conf.d/20-fb.ini, /etc/php/8.1/apache2/conf.d/20-fileinfo.ini, /etc/php/8.1/apache2/conf.d/20-ftp.ini, /etc/php/8.1/apache2/conf.d/20-gd.ini, /etc/php/8.1/apache2/conf.d/20-gettext.ini, /etc/php/8.1/apache2/conf.d/20-iconv.ini, /etc/php/8.1/apache2/conf.d/20-mbstring.ini, /etc/php/8.1/apache2/conf.d/20-mysqli.ini, /etc/php/8.1/apache2/conf.d/20-pdo_mysql.ini, /etc/php/8.1/apache2/conf.d/20-phar.ini, /etc/php/8.1/apache2/conf.d/20-posix.ini, /etc/php/8.1/apache2/conf.d/20-readline.ini, /etc/php/8.1/apache2/conf.d/20-shmop.ini, /etc/php/8.1/apache2/conf.d/20-simplexml.ini, /etc/php/8.1/apache2/conf.d/20-sockets.ini, /etc/php/8.1/apache2/conf.d/20-sysmsg.ini, /etc/php/8.1/apache2/conf.d/20-sysvsem.ini, /etc/php/8.1/apache2/conf.d/20-sysvshm.ini, /etc/php/8.1/apache2/conf.d/20-tokenizer.ini, /etc/php/8.1/apache2/conf.d/20-xmlreader.ini, /etc/php/8.1/apache2/conf.d/20-xmlrpc.ini, /etc/php/8.1/apache2/conf.d/20-xmlwriter.ini, /etc/php/8.1/apache2/conf.d/20-xsl.ini
PHP API	20210902
PHP Extension	20210902
Zend Extension	420210902
Zend Extension Build	API420210902.NTS
PHP Extension Build	API20210902.NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled
Zend Multibyte Support	provided by mbstring
IPv6 Support	enabled
DTrace Support	available, disabled
Registered PHP Streams	https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar
Registered Stream Socket Transports	tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2, tlsv1.3

Na cloudns.net je potrebno povezati studentski poddomen sa javnom adresom aws instance.

Type: A

TTL *:

1 Hour

Host:

test.aivancev2119ri.raf-student.rs

Leave empty for aivancev2119ri.raf-student.rs

Points to:

15.188.48.12

Q aivancev2119ri.raf-student.rs Check zone file Check on dns computer Deactivate

< All A AAAA MX CNAME TXT SPF NS SRV Web Redirect ALIAS RP SSHFP NAPTR CAA TLSA DS CER >

<input type="checkbox"/> Host	Type	Points to	TTL	
<input type="checkbox"/> aivancev2119ri.raf-student.rs	NS	ns41.cloudns.net	1h	
<input type="checkbox"/> aivancev2119ri.raf-student.rs	NS	ns42.cloudns.net	1h	
<input type="checkbox"/> aivancev2119ri.raf-student.rs	NS	ns43.cloudns.net	1h	
<input type="checkbox"/> aivancev2119ri.raf-student.rs	NS	ns44.cloudns.net	1h	
<input type="checkbox"/> test.aivancev2119ri.raf-student.rs	A	15.188.48.12	1h	

the selected records to

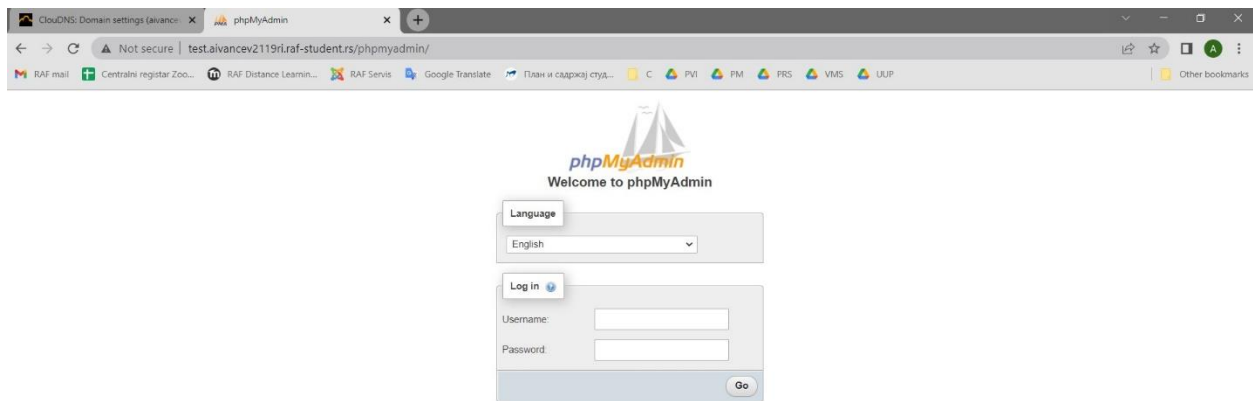
Pristupa se konfiguraciji phpmyadmin MySQL klijenta. Njegova instalacija se započinje unošenjem u terminal komande:

```
$ sudo apt install phpMyAdmin
```

Kada se završi instalacija phpmyadmin alata, poželjno je restartovati Apache server sa komandom:

```
$ sudo systemctl restart apache2
```

Otvaranjem adrese [http:// test.aivancev2119ri.raf-student.rs/phpmyadmin/](http://test.aivancev2119ri.raf-student.rs/phpmyadmin/) u web pretraživaču , sada se može pristupiti phpmyadmin veb aplikaciji, odnosno MySQL klijentu



Pristup phpMyAdmin servisu preko poddomena hostovanog na AWS cloud-u

Instalacija SAMBA file sharing-a

Započnite ažuriranjem registra paketa komandom:

```
$ sudo apt update
```

Zatim koristite apt da instalirate Samba. Uključite argument -y da biste automatski odobrili sve upite tokom instalacije:

```
$ sudo apt install samba -y
```

Proverite instalaciju pomoću komande:

```
ubuntu@anaivancev:~$ whereis samba
samba: /usr/sbin/samba /usr/lib/x86_64-linux-gnu/samba /etc/samba /usr/share/sam
ba /usr/share/man/man8/samba.8.gz /usr/share/man/man7/samba.7.gz
ubuntu@anaivancev:~$
```

Na kraju, potvrdite da Samba radi sa komandom:

```
ubuntu@anaivancev:~$ sudo systemctl status smbd
● smbd.service - Samba SMB Daemon
   Loaded: loaded (/lib/systemd/system/smbd.service; enabled; vendor preset: en
   Active: active (running) since Fri 2023-01-13 20:28:45 UTC; 59s ago
     Docs: man:smbd(8)
           man:samba(7)
           man:smb.conf(5)
   Process: 13984 ExecStartPre=/usr/share/samba/update-apparmor-samba-profile
   Main PID: 13993 (smbd)
    Status: "smbd: ready to serve connections..."
     Tasks: 4 (limit: 1143)
  Memory: 13.4M
     CPU: 134ms
   CGroup: /system.slice/smbd.service
           └─13993 /usr/sbin/smbd --foreground --no-process-group
             └─13995 /usr/sbin/smbd --foreground --no-process-group
               └─13996 /usr/sbin/smbd --foreground --no-process-group
                 └─13997 /usr/lib/x86_64-linux-gnu/samba/samba-bgqd --ready-signal-

Jan 13 20:28:44 anaivancev systemd[1]: Starting Samba SMB Daemon...
Jan 13 20:28:45 anaivancev update-apparmor-samba-profile[13987]: grep: /etc/app
Jan 13 20:28:45 anaivancev update-apparmor-samba-profile[13990]: diff: /etc/app
Jan 13 20:28:45 anaivancev systemd[1]: Started Samba SMB Daemon.
lines 1-22/22 (END)...skipping...
● smbd.service - Samba SMB Daemon
   Loaded: loaded (/lib/systemd/system/smbd.service; enabled; vendor preset: enabled)
   Active: active (running) since Fri 2023-01-13 20:28:45 UTC; 59s ago
     Docs: man:smbd(8)
           man:samba(7)
           man:smb.conf(5)
   Process: 13984 ExecStartPre=/usr/share/samba/update-apparmor-samba-profile (code=exited, status=0/SUCCESS)
   Main PID: 13993 (smbd)
    Status: "smbd: ready to serve connections..."
     Tasks: 4 (limit: 1143)
  Memory: 13.4M
     CPU: 134ms
   CGroup: /system.slice/smbd.service
           └─13993 /usr/sbin/smbd --foreground --no-process-group
             └─13995 /usr/sbin/smbd --foreground --no-process-group
               └─13996 /usr/sbin/smbd --foreground --no-process-group
                 └─13997 /usr/lib/x86_64-linux-gnu/samba/samba-bgqd --ready-signal-fd=45 --parent-watch-fd=11 --debuglevel=0 -F

Jan 13 20:28:44 anaivancev systemd[1]: Starting Samba SMB Daemon...
Jan 13 20:28:45 anaivancev update-apparmor-samba-profile[13987]: grep: /etc/apparmor.d/samba/smbd-shares: No such file or directory
Jan 13 20:28:45 anaivancev update-apparmor-samba-profile[13990]: diff: /etc/apparmor.d/samba/smbd-shares: No such file or directory
Jan 13 20:28:45 anaivancev systemd[1]: Started Samba SMB Daemon.
~
```