

**INDEX=123456**

- USERNAME=ime (твоето име)
- SERVER\_IP → провери со ip a

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## **1 Корисник + sudo без лозинка + hostname (10 поени)**

### **Најава**

```
ssh student@IP_ADRESA  
# лозинка: Laboratorija11!
```

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### **Креирање корисник**

```
sudo useradd -m ime  
sudo passwd ime
```

---

### **Sudo без лозинка (ВАЖНО – точно барање)**

```
sudo visudo  
Додад на крај:  
ime ALL=(ALL) NOPASSWD:ALL  
 Проверка:  
su - ime  
sudo whoami
```

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### **Hostname**

```
sudo hostnamectl set-hostname 123456.com  
Провери:  
hostname
```

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## **2 DNS – master + дозволен transfer + slave (25 поени)**

### **Инсталација**

```
sudo apt update  
sudo apt install bind9 bind9utils bind9-dnsutils -y
```

---

### **named.conf.options**

```
sudo nano /etc/bind/named.conf.options  
options {  
    directory "/var/cache/bind";  
  
    listen-on { any; };  
    allow-query { any; };  
  
    recursion yes;  
    dnssec-validation no;  
};  
sudo systemctl restart bind9
```

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### **Master зона: index.com**

```
sudo nano /etc/bind/named.conf.local  
zone "123456.com" {  
    type master;  
    file "/etc/bind/db.123456.com";  
    allow-transfer { any; };  
};
```

---

### **Zone file**

```
sudo cp /etc/bind/db.local /etc/bind/db.123456.com  
sudo nano /etc/bind/db.123456.com  
$TTL 604800
```

```
@ IN SOA name1.123456.com. admin.123456.com. (
    2021011401
    604800
    86400
    2419200
    604800 )

@ IN NS      name1.123456.com.
@ IN NS      name2.123456.com.

name1 IN A      SERVER_IP
name2 IN A      SERVER_IP

web     IN A      SERVER_IP
monitor IN A      SERVER_IP

mail    IN A      SERVER_IP
@      IN MX 10   mail.123456.com.
```

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## 📌 Проверки

```
sudo named-checkconf
sudo named-checkzone 123456.com /etc/bind/db.123456.com
```

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## 📌 Slave зона (од 10.10.16.200)

```
sudo nano /etc/bind/named.conf.local
zone "anms.com.mk" {
    type slave;
    masters { 10.10.16.200; };
    file "/var/cache/bind/anms.com.mk";
};

sudo systemctl restart bind9
```

👉 Проверка:

```
ls /var/cache/bind
```

```
dig @localhost anms.com.mk
```

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## 3 Nginx веб сервер (15 поени)

```
sudo apt install nginx -y  
sudo systemctl enable nginx  
sudo systemctl start nginx
```

Провери:

```
curl http://localhost
```

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## 4 WordPress + Nginx server block (25 поени)

### PHP + екстензии

```
sudo apt install php-fpm php-mysql php-xml php-curl php-gd php-mbstring php-zip  
php-intl -y
```

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### MariaDB

```
sudo apt install mariadb-server -y  
sudo mysql_secure_installation  
sudo mysql -u root  
CREATE DATABASE wpdb;  
CREATE USER 'wpuser'@'localhost' IDENTIFIED BY 'wppass';  
GRANT ALL PRIVILEGES ON wpdb.* TO 'wpuser'@'localhost';  
FLUSH PRIVILEGES;  
EXIT;
```

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### WordPress

```
cd /var/www  
sudo wget https://wordpress.org/latest.tar.gz  
sudo tar -xvzf latest.tar.gz  
sudo chown -R www-data:www-data wordpress
```

---

## 📌 Nginx server block

```
sudo nano /etc/nginx/sites-available/wordpress
server {
    listen 80;
    server_name 123456.anms.com.mk;

    root /var/www/wordpress;
    index index.php index.html;

    location / {
        try_files $uri $uri/ /index.php?$args;
    }

    location ~ \.php$ {
        include snippets/fastcgi-php.conf;
        fastcgi_pass unix:/run/php/php-fpm.sock;
    }
}

sudo ln -s /etc/nginx/sites-available/wordpress /etc/nginx/sites-enabled/
sudo systemctl restart nginx

👉 Bo browser:
http://123456.anms.com.mk
```

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## 5 FTP со пристап до WordPress (25 поени)

### 📌 Инсталација

```
sudo apt install vsftpd -y
```

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### 📌 Корисник editor

```
sudo useradd -m editor
sudo passwd editor
```

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## Дозволи

```
sudo chown -R editor:editor /var/www/wordpress
```

---

## vsftpd.conf

```
sudo nano /etc/vsftpd.conf
```

Провери:

```
local_enable=YES
```

```
write_enable=YES
```

```
sudo systemctl restart vsftpd
```