

**INDEX=123456**

- USERNAME=ime (твоего имя)
- 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  
Додај на крај:  
ime ALL=(ALL) NOPASSWD:ALL
```

#### Проверка:

```
su - ime  
sudo whoami
```

---

### **Hostname**

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

Провери:

```
hostname
```

---

## 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.
```



## Проверки

```
sudo named-checkconf
```

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



## 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
```

---

### **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
```

### Корисник editor

```
sudo useradd -m editor
```

```
sudo passwd editor
```

---

## **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
```