

1.

- ssh student@<ip_address>
- useradd ans222013
- passwd ans222013
- groupadd ans
- usermod -aG ans ans222013
- hostname ans-16022003

2.

- dnf install bind bind-utils -y
- systemctl start named
- systemctl enable named
- nano /etc/resolv.conf

nameserver <machine_ip_address>

nameserver <loopback_ip_address>

- nano /etc/named.conf

listen-on port 53 { 127.0.0.1; any; };

listen-on-v6 port 53 { ::1; any; };

allow-query { localhost; 10.10.0.0/16; any; }

- forwarders { 1.0.0.1; 1.1.1.1; };
- zone "222013.io.mk" {

type master;

file "/var/named/222013.io.mk.zone";

allow-transfer { any; };

};

- named-checkconf
- nano /var/named/222013.io.mk.zone
- named-checkzone ime pateka
- chmod 640 /var/named/zone
- chown root:named /var/named/zone
- systemctl restart named
- nslookup

3.

- dnf install httpd -y
- systemctl start httpd
- systemctl enable httpd

4.

- sudo dnf install php php-opcache php-gd php-curl php-mysqlnd -y
- dnf install mysql-server -y
- systemctl start mysqld
- systemctl enable mysqld
- mysql_secure_installation
- mysql -u root -p
- CREATE DATABASE wordpress;
- CREATE USER 'wpuser'@'localhost' IDENTIFIED BY '1234';
- GRANT ALL PRIVILEGES ON wordpress.* TO 'wpuser'@'localhost';
- FLUSH PRIVILEGES;
- EXIT;
- cd /var/www/html
- wget <https://wordpress.org/wordpress-6.7.1.tar.gz>
- chown -R apache:apache /var/www/html/wordpress
- chmod 755 /var/www/html/wordpress
- nano /etc/httpd/conf.d/wordpress.conf
- <VirtualHost *:80>

ServerName wp.222013.com

<Directory /var/www/html/wordpress>

AllowOverride all

</Directory>

DocumentRoot "/var/www/html/wordpress"

</VirtualHost>

- systemctl stop named
- cp /var/www/html/wordpress/wp-config-sample.php
/var/www/html/wordpress/wp-config.php
- nano /var/www/html/wordpress/wp-config.php
- systemctl restart httpd

5. (NFS)

- dnf install nfs-utils nfs4-acl-tools -y
- showmount -e <nfs_server_ip>
- mkdir -p /mnt/nfs/jan2024
- mkdir -p /mnt/nfs/proba2024
- mount -t nfs 10.10.16.200:/mnt/kolokvium_2024 /mnt/nfs/jan2024
- mount -t nfs 10.10.16.200:/mnt/proba /mnt/nfs/proba2024
- nano /etc/fstab
- 10.10.16.200:/mnt/kolokvium_2024 /mnt/nfs/jan2024 nfs defaults 0 0
- 10.10.16.200:/mnt/proba /mnt/nfs/proba2024 nfs defaults 0 0
- mkdir -p /mnt/nfs/jan2024/222013
- touch /mnt/nfs/jan2024/222013/file1

(FTP)

- dnf install vsftpd
- systemctl start vsftpd
- systemctl enable vsftpd
- adduser editor
- passwd editor
- mkdir -p /home/student/ftp
- chmod -R +rw /home/student/ftp
- chmod -R -x /home/student/ftp
- chown -R editor:/home/student/ftp
- chown -R ftpuser: /home/student/ftp
- bash -c 'echo editor >> /etc/vsftpd/user_list'

6.

- dnf install firewalld
- systemctl start firewalld
- systemctl enable firewalld
- sudo firewall-cmd --permanent --add-service=ssh
- sudo firewall-cmd --permanent --add-service=http
- sudo firewall-cmd --permanent --add-service=https
- sudo firewall-cmd --permanent --add-service=ftp
- sudo firewall-cmd --permanent --add-service=dns
- sudo firewall-cmd --permanent --add-port=8080/tcp
- sudo firewall-cmd --permanent --add-port=53/tcp
- sudo firewall-cmd --permanent --add-port=53/udp
- sudo firewall-cmd --permanent --add-port=21/tcp
- sudo firewall-cmd --permanent --add-port=20/tcp
- sudo firewall-cmd --permanent --add-port=443/tcp
- sudo firewall-cmd --permanent --add-port=80/tcp
- sudo firewall-cmd --permanent --add-port=22/tcp
- sudo firewall-cmd --reload

- `sudo firewall-cmd --list-all`