

OSNOVE SISTEMSKÉ ADMINISTRACIJE

Ključni ukazi, ki jih že poznate iz prejšnjih delavnic.

- `man, cd, pwd, cat, less, nano, sudo, passwd, chown, chmod, sudo;`
- `apt-get [update] [upgrade] [dist-upgrade] [install] [remove] [purge] [remove],`
- `apt-cache [search] [show]`
- `apt [list] [--upgradable]`
- `dpkg [--list],`
- `dpkg-reconfigure,`
- `systemctl [status] [enable] [disable] [restart] [reload] [start] [stop],`
- `journalctl [--unit] [apache2]`

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Priprava strežnika.

- `ssh user@host.domena.tld`
- `sudo passwd user`
- `sudo passwd root`
- `#sudo hostnamectl [set-hostname]`
- `#sudo nano /etc/hosts`
- `#sudo apt-get update`
- `#sudo apt-get upgrade`
- `#sudo apt-get dist-upgrade`
- `#do-release-upgrade`
- `#sudo apt-get install unattended-upgrades`
- `#sudo unattended-upgrades [-d] [-v]`
- `#sudo sudo dpkg-reconfigure unattended-upgrades`

NAMESTITEV PAKETA LAMP

Apache

- `sudo apt-get install apache2`
- `sudo apache2ctl configtest`
- `sudo nano /etc/apache2/apache2.conf`
 `ServerName host.domen.tld`
- `sudo systemctl restart apache2`

MySQL

- `sudo apt-get install mysql-server`
- `sudo mysql_secure_installation`

PHP

- `sudo apt-get install php libapache2-mod-php php-mcrypt php-mysql`
- `#sudo nano /etc/apache2/mods-enabled/dir.conf`

Ponovni zagon strežnika Apache2

- `sudo systemctl restart apache2`
- `sudo systemctl status apache2`

UFW

- `sudo ufw app list`
- `sudo ufw app info »Apache Full«`

Test

- `sudo nano /var/www/html/info.php`

```
<?php
    phpinfo();
?>
```

ŠIFRIRANA POVEZAVA

Let's Encrypt

- `sudo apt-get install python-letsencrypt-apache`
- `sudo letsencrypt --apache -d example.com`
- `sudo letsencrypt renew`

- `sudo crontab -e`
- `@monthly /usr/bin/letsencrypt renew >> /var/log/le-renew.log`

nextCloud

- wget
https://download.nextcloud.com/server/releases/nextcloud-11.0.2.zip
- sudo mv nextcloud* /var/www
- sudo apt-get install unzip
- sudo nano nextcloud-ubuntu.sh

```
#!/bin/bash
ocpath='/var/www/nextcloud'
htuser='www-data'
htgroup='www-data'
rootuser='root'

printf "Creating possible missing Directories\n"
mkdir -p $ocpath/data
mkdir -p $ocpath/assets
mkdir -p $ocpath/updater

printf "chmod Files and Directories\n"
find ${ocpath}/ -type f -print0 | xargs -0 chmod 0640
find ${ocpath}/ -type d -print0 | xargs -0 chmod 0750
chmod 755 ${ocpath}

printf "chown Directories\n"
chown -R ${rootuser}:${htgroup} ${ocpath}/
chown -R ${htuser}:${htgroup} ${ocpath}/apps/
chown -R ${htuser}:${htgroup} ${ocpath}/assets/
chown -R ${htuser}:${htgroup} ${ocpath}/config/
chown -R ${htuser}:${htgroup} ${ocpath}/data/
chown -R ${htuser}:${htgroup} ${ocpath}/themes/
chown -R ${htuser}:${htgroup} ${ocpath}/updater/

chmod +x ${ocpath}/occ

printf "chmod/chown .htaccess\n"
if [ -f ${ocpath}/.htaccess ]
then
  chmod 0644 ${ocpath}/.htaccess
  chown ${rootuser}:${htgroup} ${ocpath}/.htaccess
fi
if [ -f ${ocpath}/data/.htaccess ]
then
  chmod 0644 ${ocpath}/data/.htaccess
  chown ${rootuser}:${htgroup} ${ocpath}/data/.htaccess
fi
```

- sudo chmod +x ./nextcloud-ubuntu.sh
- sudo ./nextcloud-ubuntu.sh

Apache vHost

- `sudo nano /etc/apache2/sites-available/nextcloud.conf`

```
Alias /nextcloud "/var/www/nextcloud/"

<Directory /var/www/nextcloud/>
    Options +FollowSymlinks
    AllowOverride All

    <IfModule mod_dav.c>
        Dav off
    </IfModule>

    SetEnv HOME /var/www/nextcloud
    SetEnv HTTP_HOME /var/www/nextcloud

</Directory>
```

- `sudo a2ensite nextcloud`

Dodatni moduli za nextCloud

- `sudo apt-get install php-bz2 php-curl php-gd php-imagick php-intl php-mbstring php-xml php-zip`
- `sudo systemctl reload apache2`

Ustvarimo podatkovno bazo

- `mysql -u root -p`
- `CREATE DATABASE nextcloud;`
- `GRANT ALL ON nextcloud.* to 'nextcloud'@'localhost' IDENTIFIED BY 'geslo';`
- `FLUSH PRIVILEGES;`
- `exit`