

UMS Headless DLNA server on CentOS 7

Universal Media Server is oorspronkelijk een fork van PS3 Media Server. Een eenvoudige transcoding DLNA server voor Linux.

Pre-requisites

repositories

de nodige rpm's bevinden zich in de EPEL en de NUX repository. verbind daarmee door:

```
yum install epel-release  
yum install  
http://li.nux.ro/download/nux/dextop/el7/x86\_64/nux-dextop-release-0-5.el7.nux.noarch.rpm
```

software

Installeer programma's nodig voor transcoding:

```
yum install mplayer mencoder ffmpeg mediainfo
```

Installeer Java.

```
yum install java-1.7.0-openjdk
```

Installeer UMS

Download de laatste versie van de [UMS website](#).

```
cd /tmp  
wget  
http://downloads.sourceforge.net/project/unimediaserver/Official%20Releases/Linux/UMS-5.2.2-Java7.tgz
```

pak uit en instaleer:

```
tar -xvzf UMS-5.2.2-Java7.tgz  
cp -r ./ums-5.2.2 /opt  
ln -s /opt/ums-5.2.2 /opt/ums  
mkdir /etc/ums  
cp UMS.conf WEB.conf /etc/ums
```

maak een user ums aan om de applicatie onder te draaien:

```
useradd -g 100 -d /opt/ums -s /sbin/nologin ums
```

zet de permissies op de files goed:

```
chown -R ums:users/opt/ums-5.2.2
```

```
chown -R ums:users/etc/ums
```

Configuratie

Edit de file `/etc/ums/UMS.conf` en zet de instellingen zoals gewenst:

Systemd startup files

Systemd is de vervanger van het SysV init system op CentOS 7.

Maak de file `/etc/systemd/system/ums.service`.

```
[Unit]
Description=Universal Media Server

[Service]
Type=simple
Environment="UMS_PROFILE=/etc/ums/UMS.conf"
User=ums
Group=users
ExecStart=/opt/ums/UMS.sh

[Install]
WantedBy=multi-user.target
1
2
3
4
5
6
7
8
9
10
11
12
```

zorg dat systemd deze nieuwe configuratiefile kent:

```
systemctl daemon-reload
```

enable en start vervolgens de service:

```
sudo systemctl enable ums
sudo systemctl start ums
```

check of alles goed is gegaan `systemctl status ums`

```
ums.service - Universal Media Server
  Loaded: loaded (/etc/systemd/system/ums.service; enabled)
  Active: active (running) since Sun 2014-11-30 19:12:20 MST; 32min ago
  Main PID: 12912 (java)
  CGroup: /system.slice/ums.service
          └─12912 java -Xmx768M -Xss2048k -Dfile.encoding=UTF-8 -
Djava.net.p...
```

Systemd captures all the output from UMS and stores it in its logs. You can access all that information with `journalctl`. This is extremely useful if there are problems. To view all messages from UMS, you could use the command: `sudo journalctl _SYSTEMD_UNIT=ums.service`

firewall

Zet de firewall open voor de DLNA daemon:

zet de poorten voor de tracker en het verkeer open:

```
firewall-cmd --permanent --add-port=9001/tcp
firewall-cmd --permanent --add-port=5001/tcp
firewall-cmd --permanent --add-port=1900/udp
firewall-cmd --reload
```

Let's first look at the ports that UMS uses:

```
netstat -pln | grep java
```

tcp	0	0	0.0.0.0:9001	0.0.0.0:*	LISTEN
12912/java					
tcp	0	0	10.0.0.204:5001	0.0.0.0:*	LISTEN
12912/java					
udp	0	0	0.0.0.0:1900	0.0.0.0:*	
12912/java					

Unless you've changed anything, by default, those are 5001/tcp, 9001/tcp and 1900/udp. Port 9001/tcp is optional. Enable it if you want to browse your media via a web browser. Let's utilize the `firewall-cmd` utility to poke the holes:

Determine the active zone for your network interface. In the command below, the zone in use is `internal`. Yours will likely be the default, which is `public`. Notate it, and use it for the next commands:

```
firewall-cmd --get-active-zones
```

```
public  
interfaces: eth0
```

bron

<http://mikeshoup.com/2014/11/30/universal-media-server-on-centos-7/>

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<https://wiki.auriel.nl/> -

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Last update: **2015/09/27 14:46**