

ntp telepítése:

```
sudo apt-get install
```

Ellenőrzés:

```
sntp --version
```

config file megnyitása:

```
sudo nano /etc/ntp.conf
```

serverek beállítása itt

```
GNU nano 4.8 /etc/ntp.conf
filegen loopstats file loopstats type day enable
filegen peerstats file peerstats type day enable
filegen clockstats file clockstats type day enable

# Specify one or more NTP servers.

# Use servers from the NTP Pool Project. Approved by Ubuntu Technical Board
# on 2011-02-08 (LP: #104525). See http://www.pool.ntp.org/join.html for
# more information.
pool 0.ubuntu.pool.ntp.org iburst
pool 1.ubuntu.pool.ntp.org iburst
pool 2.ubuntu.pool.ntp.org iburst
pool 3.ubuntu.pool.ntp.org iburst

# Use Ubuntu's ntp server as a fallback.
pool ntp.ubuntu.com

# Access control configuration; see /usr/share/doc/ntp-doc/html/acopt.html for
# details. The web page <http://support.ntp.org/bin/view/Support/AccessRestrictions>
# might also be helpful.
```

ntp server újraindítása:

```
sudo service ntp restart
```

státusz ellenőrzés:

```
sudo service ntp status
```

```
● ntp.service - Network Time Service
   Loaded: loaded (/lib/systemd/system/ntp.service; enabled; vendor preset: en>
   Active: active (running) since Tue 2022-04-12 16:39:15 CEST; 11s ago
     Docs: man:ntpd(8)
   Process: 4384 ExecStart=/usr/lib/ntp/ntp-systemd-wrapper (code=exited, stat>
  Main PID: 4405 (ntpd)
    Tasks: 2 (limit: 5089)
   Memory: 1.8M
    CGroup: /system.slice/ntp.service
            └─4405 /usr/sbin/ntpd -p /var/run/ntpd.pid -g -u 129:137

ápr 12 16:39:20 korita-VirtualBox ntpd[4405]: Soliciting pool server 82.141.152>
ápr 12 16:39:20 korita-VirtualBox ntpd[4405]: Soliciting pool server 193.6.222.>
ápr 12 16:39:20 korita-VirtualBox ntpd[4405]: Soliciting pool server 193.225.19>
ápr 12 16:39:21 korita-VirtualBox ntpd[4405]: Soliciting pool server 91.189.91.>
ápr 12 16:39:22 korita-VirtualBox ntpd[4405]: Soliciting pool server 91.189.89.>
ápr 12 16:39:23 korita-VirtualBox ntpd[4405]: Soliciting pool server 91.189.89.>
ápr 12 16:39:24 korita-VirtualBox ntpd[4405]: Soliciting pool server 91.189.94.4>
ápr 12 16:39:26 korita-VirtualBox ntpd[4405]: receive: Unexpected origin timest>
ápr 12 16:39:26 korita-VirtualBox ntpd[4405]: receive: Unexpected origin timest>
ápr 12 16:39:26 korita-VirtualBox ntpd[4405]: Soliciting pool server 2001:67c:1>
~
```

tűzfalhoz adás:

```
sudo ufw allow from any to any port 123 proto udp
```

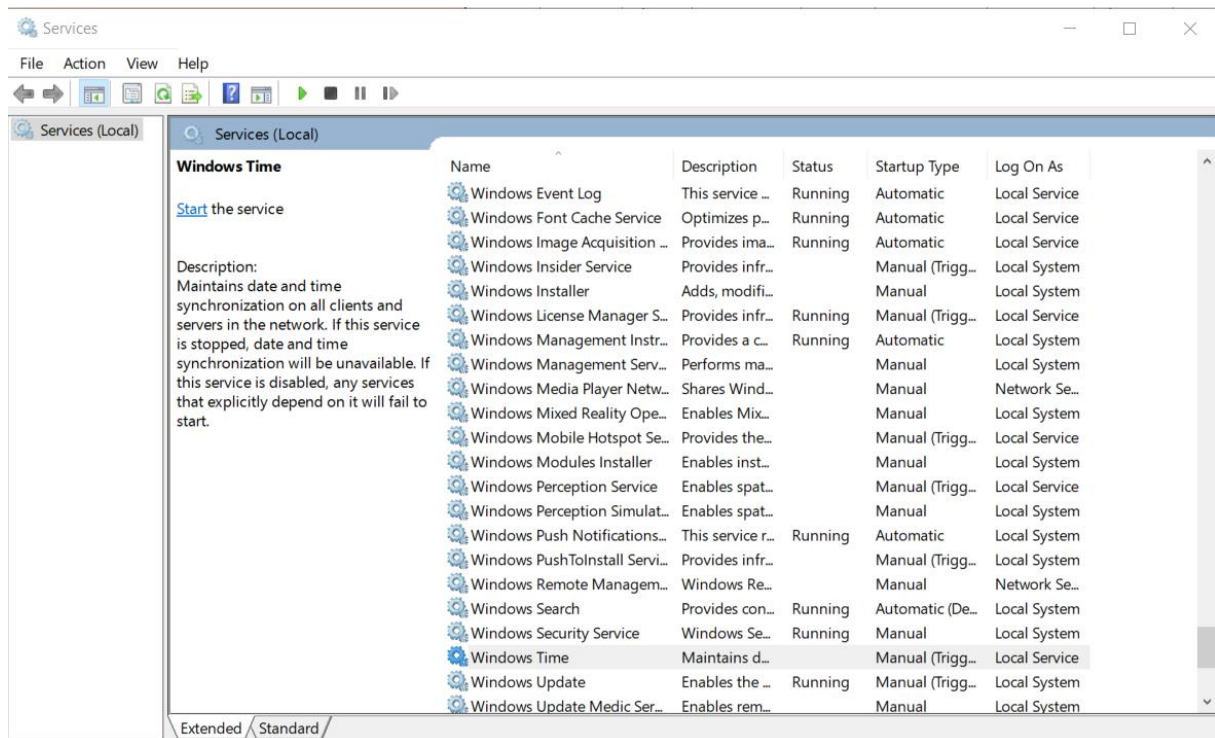
```
korita@korita-VirtualBox:~$ sudo ufw allow from any to any port 123 proto udp
Szabály hozzáadva
Szabály hozzáadva (v6)
```

WINDOWS szinkronizálás:

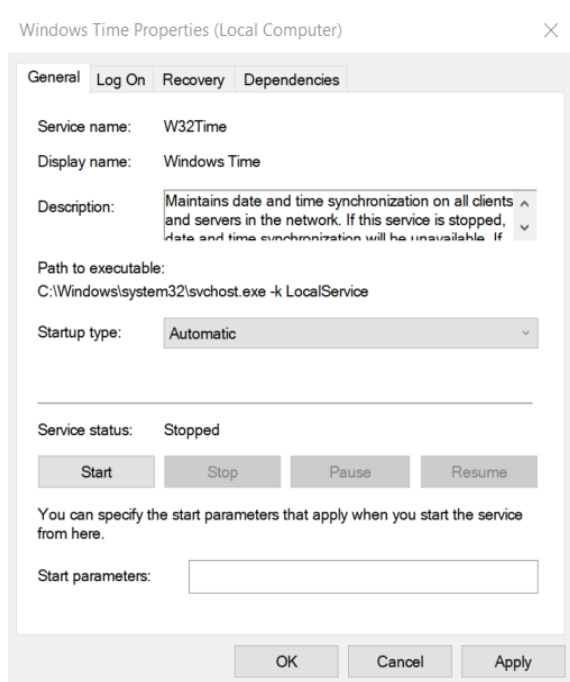
```
w32tm/config /manualpeerlist: 10.0.2.23 /syncfromflags:manual /reliable:yes /update
```

Windows server beállítás

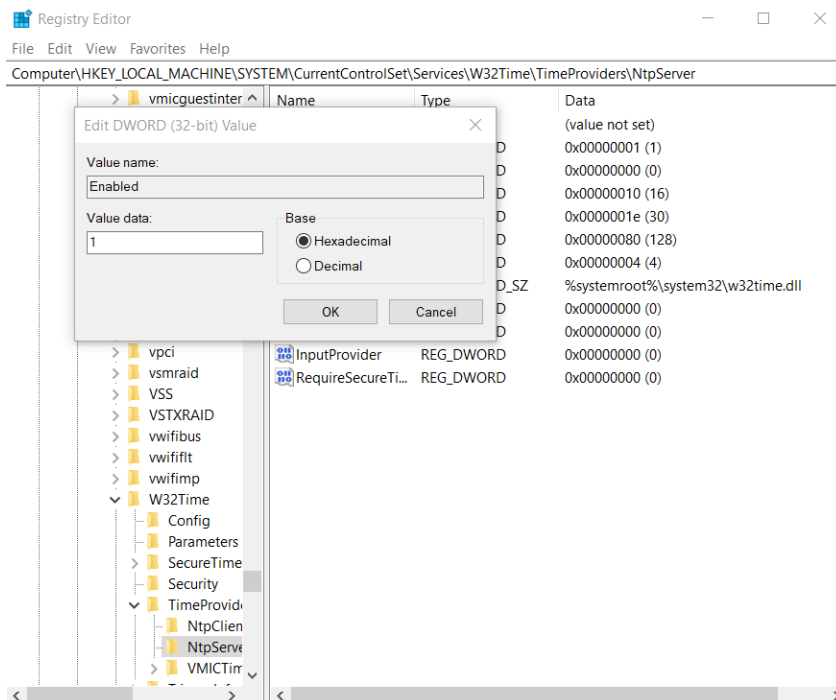
Services -> Windows Time



Automatikusra állítás:



HKEY_LOCAL_MACHINE \ System \ CurrentControlSet \ Services \ W32Time \ TimeProviders \ NtpServer -> enabled : 1re állítás



```
C:\Users\Administrator>w32tm /config /update
The command completed successfully.

C:\Users\Administrator>w32tm /query /configuration
[Configuration]

EventLogFlags: 2 (Local)
AnnounceFlags: 10 (Local)
TimeJumpAuditOffset: 28800 (Local)
MinPollInterval: 10 (Local)
MaxPollInterval: 15 (Local)
MaxNegPhaseCorrection: 54000 (Local)
MaxPosPhaseCorrection: 54000 (Local)
MaxAllowedPhaseOffset: 1 (Local)

FrequencyCorrectRate: 4 (Local)
PollAdjustFactor: 5 (Local)
LargePhaseOffset: 50000000 (Local)
SpikeWatchPeriod: 900 (Local)
LocalClockDispersion: 10 (Local)
HoldPeriod: 5 (Local)
PhaseCorrectRate: 1 (Local)
UpdateInterval: 360000 (Local)

[TimeProviders]

NtpClient (Local)
DllName: C:\Windows\system32\w32time.dll (Local)
Enabled: 1 (Local)
InputProvider: 1 (Local)
AllowNonstandardModeCombinations: 1 (Local)
ResolvePeerBackoffMinutes: 15 (Local)
ResolvePeerBackoffMaxTimes: 7 (Local)
CompatibilityFlags: 2147483648 (Local)
EventLogFlags: 1 (Local)
LargeSampleSkew: 3 (Local)
SpecialPollInterval: 604800 (Local)
Type: NTP (Local)
NtpServer: time.windows.com,0x9 (Local)

VMICTimeProvider (Local)
DllName: C:\Windows\System32\vmictimeprovider.dll (Local)
Enabled: 1 (Local)
InputProvider: 1 (Local)
NtpServer (Local)
DllName: C:\Windows\system32\w32time.dll (Local)
Enabled: 1 (Local)
InputProvider: 0 (Local)
AllowNonstandardModeCombinations: 1 (Local)
```