# Feladat 04.10

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# Konfigurálás

## 1.1 Mikrotik

A feladat során nem volt **host only** kártyám így egy Bridgelt kártyát kellett használjak NAT-os helyett

```
[admin@MikroTik] > interface/p
Flags: R - RUNNING
Columns: NAME, TYPE, ACTUAL-MTU, MAC-ADDRESS
            TYPE
    NAME
                      ACTUAL-MTU
                                   MAC-ADDRESS
                                   08:00:27:36:98:7A
 R ether1
            ether
                             1500
 R ether4
            ether
                             1500
                                   08:00:27:AE:F5:53
 R lo
            loopback
                            65536
                                   00:00:00:00:00:00
[admin@MikroTik] >
```

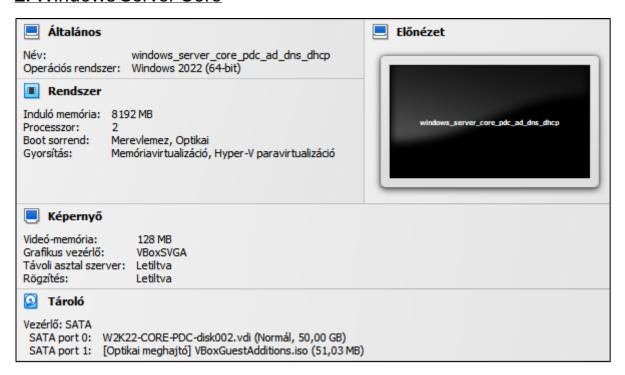
1. ábra Mikrotik router interfészei

```
[admin@MikroTik] > ip/address/print
Flags: D - DYNAMIC
Columns: ADDRESS, NETWORK, INTERFACE
# ADDRESS NETWORK INTERFACE
0 172.16.10.1/24 172.16.10.0 ether4
1 D 192.168.88.196/24 192.168.88.0 ether1
```

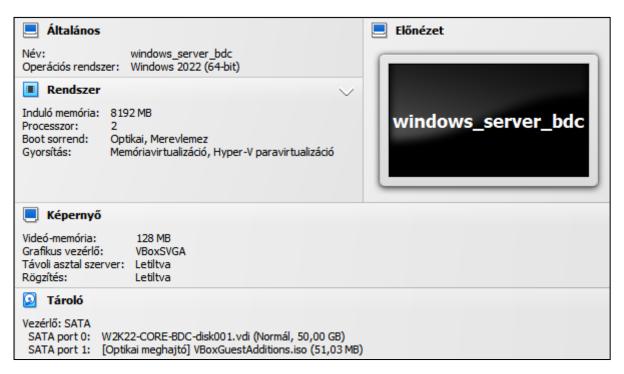
2. ábra Mikrotik router IP beállításai

3. ábra Mirotik router tűzfal beállításai

# 2. Windows Server Core

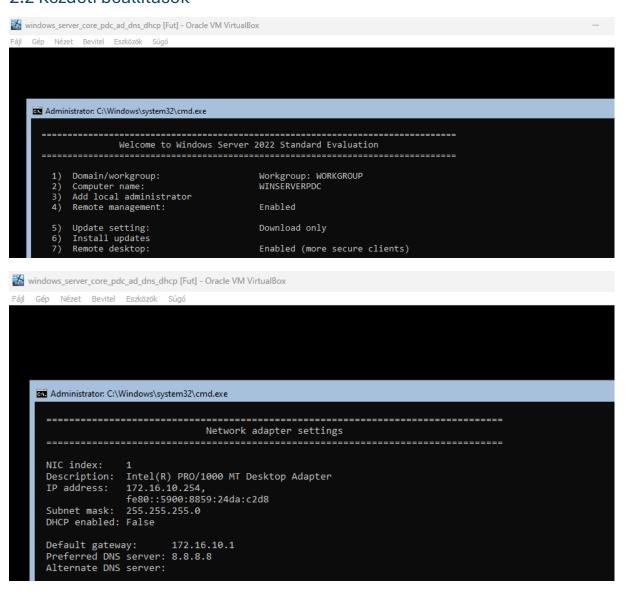


4. ábra VirutalBox CorePDC beállításai



5. ábra VirutalBox CoreBDC beállításai

## 2.2 Kezdeti beállítások



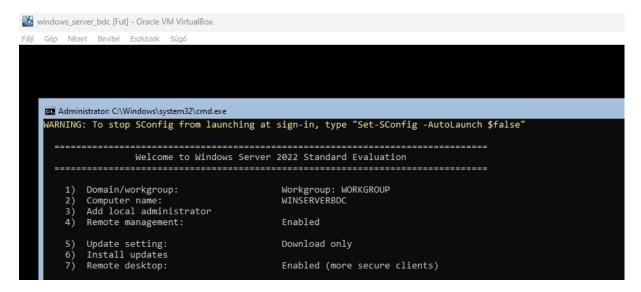
# 2.3 Szerver konfigurálás

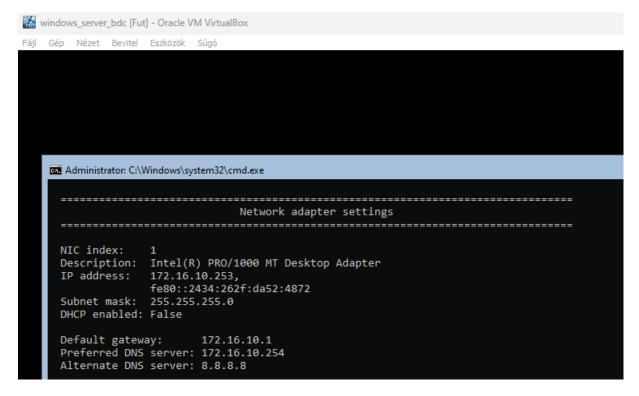
## 2.4 DHCP telepítés

```
_ _
windows_server_core_pdc_ad_dns_dhcp [Fut] - Oracle VM VirtualBox
          Administrator: C:\Windows\system32\cmd.exe
                + CategoryInfo : InvalidArgument: (:) [Remove-DhcpServerv4Scope],
+ FullyQualifiedErrorId : NamedParameterNotFound,Remove-DhcpServerv4Scope
          PS C:\Users\Administrator> Remove-DhcpServerv4Scope -Name telepites_scope -StartRange 172.16.10.100 -EndRange 172.16.100
.150 -SubnetMask 255.255.255.0
Remove-DhcpServerv4Scope : A parameter cannot be found that matches parameter name 'Name'.
At line:1 char:26
+ Remove-DhcpServerv4Scope -Name telepites_scope -StartRange 172.16.10. ...
                + CategoryInfo : InvalidArgument: (;) [Remove-DhcpServerv4Scope], ParameterBindingException + FullyQualifiedErrorId : NamedParameterNotFound,Remove-DhcpServerv4Scope
           PS C:\Users\Administrator> Get-DhcpServerv4Scope
                                                                             State StartRange
                                 SubnetMask
                                                      Name
                                                                                                                    EndRange
           ScopeId
                                                                                                                                           LeaseDuration
          172.16.10.0 255.255.255.0 telepites_s... Inactive 0.0.0.0
                                                                                                                  0.0.0.0
                                                                                                                                            00:00:00
          PS C:\Users\Administrator> Remove-DhcpServerv4Scope -ScopeId 172.16.10.0
PS C:\Users\Administrator> Add-DhcpServerv4Scope -Name telepites_scope -StartRange 172.16.10.100 -EndRange 172.16.10.150
-SubnetMask 255.255.255.0
PS C:\Users\Administrator> Get-DhcpServerv4Scope
                                 SubnetMask Name State StartRange
                                                                                                                                            LeaseDuration
           ScopeId
                                                                                                                    EndRange
           172.16.10.0
                                 255.255.255.0 telepites_s... Active 172.16.10.100 172.16.10.150 8.00:00:00
           PS C:\Users\Administrator>
```

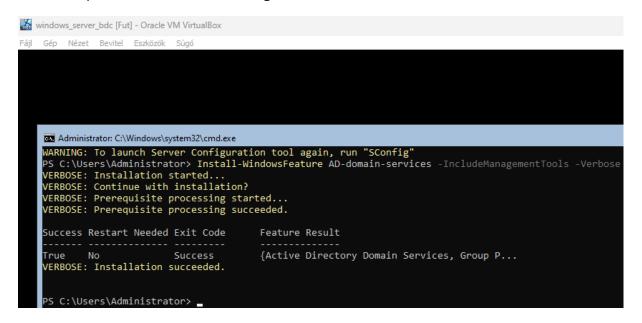
#### 3. Windows Server (Core) Backup Domain Controller

#### 3.1 Szerver kezdeti konfigurációja



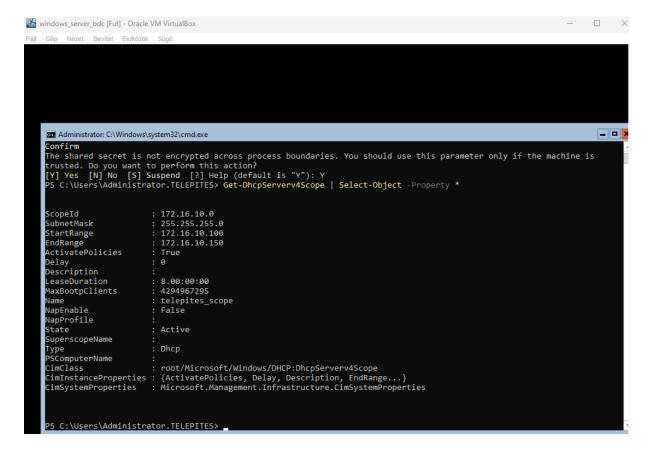


#### 3.2 Backup Domain Controller konfigurálása



#### 3.3 Szerver konfigurálás DHCP failover

```
- □ ×
windows_server_bdc [Fut] - Oracle VM VirtualBox
      Administrator: C:\Windows\system32\cmd.exe
                                                                                                                                                                                     _ 0 x
       lessage
      Verification of user credential permissions failed. An Active Directory domain controller for the domain "telepites....
       PS C:\Users\Administrator> New-NetIPAddress -InterfaceAlias Ethernet -IPAddress 172.16.10.253 -PrefixLength 24 -DefaultG
       ateway 172.16.10.1
        .eway 1/2.10.10.1
ew-NetIPAddress : Instance MSFT_NetIPAddress already exists
: line:1 char:1
New-NetIPAddress -InterfaceAlias Ethernet -IPAddress 172.16.10.253 -P ...
           + CategoryInfo : InvalidArgument: (MSFT_NetIPAddress:ROOT/StandardCimv2/MSFT_NetIPAddress) [New-NetIPAddress], CimException
+ FullyQualifiedErrorId : Windows System Error 87,New-NetIPAddress
      PS C:\Users\Administrator> Install-WindowsFeature DHCP -IncludeManagementTools -Verbose VERBOSE: Installation started... VERBOSE: Continue with installation? VERBOSE: Prerequisite processing started... VERBOSE: Prerequisite processing succeeded.
       Success Restart Needed Exit Code
       rue No Success
                                                               {DHCP Server}
      VERBOSE: Installation succeeded.
windows_server_bdc [Fut] - Oracle VM VirtualBox
Fáil Gén Nézet Bevitel Eszközök Súgó
                                                                                                                                                                                        Administrator: C:\Windows\system32\cmd.exe
        ARNING: To stop SConfig from launching at sign-in, type "Set-SConfig -AutoLaunch $false"
                               Welcome to Windows Server 2022 Standard Evaluation
                                                                          Domain: telepites.bda.akk
                Domain/workgroup:
                 Computer name:
Add local administrator
Remote management:
                                                                          WINSERVERBDC
                                                                         Enabled
            5)
6)
7)
                Update setting:
Install updates
Remote desktop:
                                                                         Download only
                                                                         Enabled (more secure clients)
            8) Network settings9) Date and time10) Telemetry setting:11) Windows activation
                                                                          Required
            12) Log off user13) Restart server14) Shut down server15) Exit to command line (PowerShell)
      Enter number to select an option:
PS C:\Users\Administrator.TELEPITES> Set-DhcpServerv4OptionValue -DnsDomain telepites.bda.akk -DnsServer 172.16.10.254,
172.16.10.253 -Router 172.16.10.1
PS C:\Users\Administrator.TELEPITES> Add-DhcpServerInDC -DnsName winserverbdc.telepites.bda.akk
PS C:\Users\Administrator.TELEPITES>
```

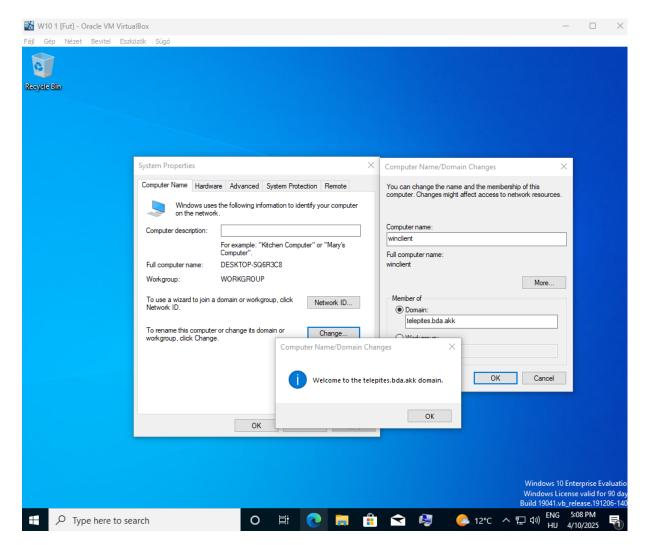


6. ábra DHCP failover

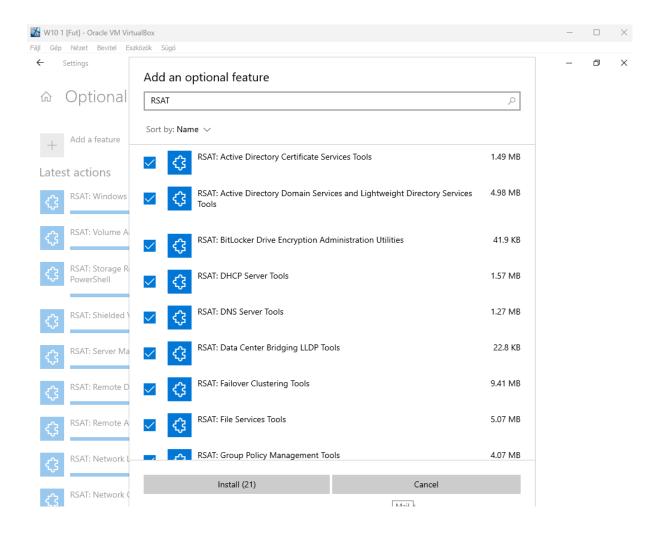
# Windows GUI

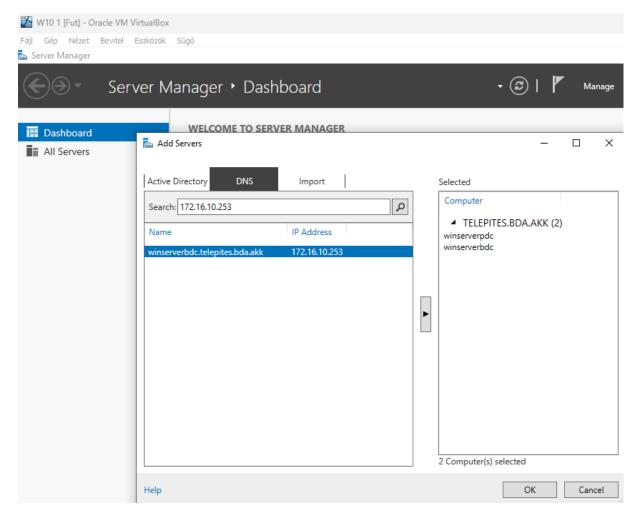
# 4. Windows Kliens

4.1 Windows kliens tartományba léptetés

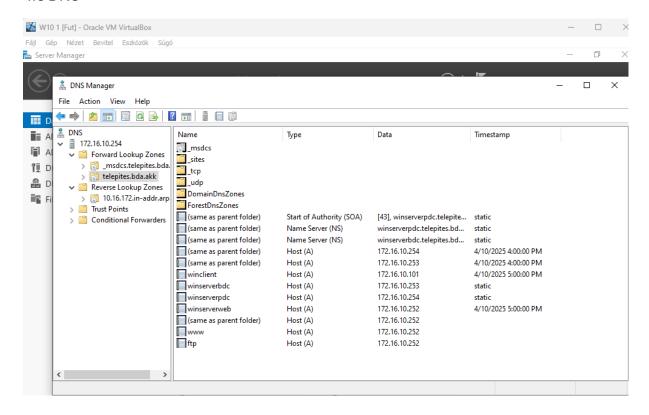


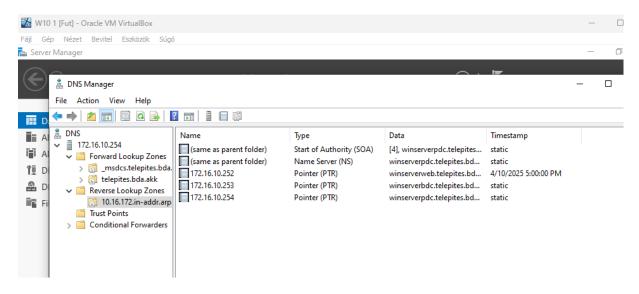
4.2 RSAT



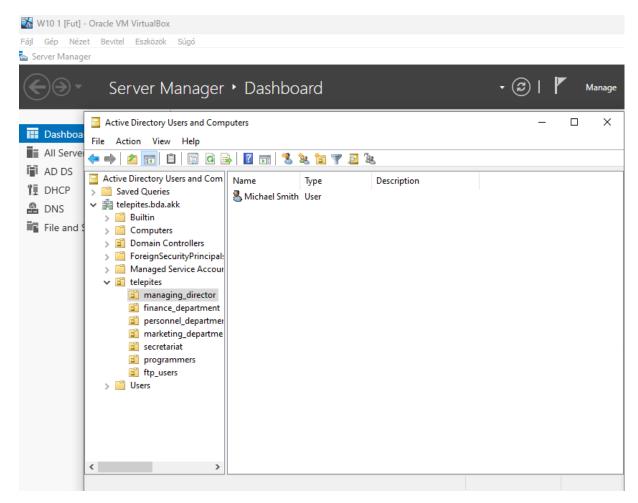


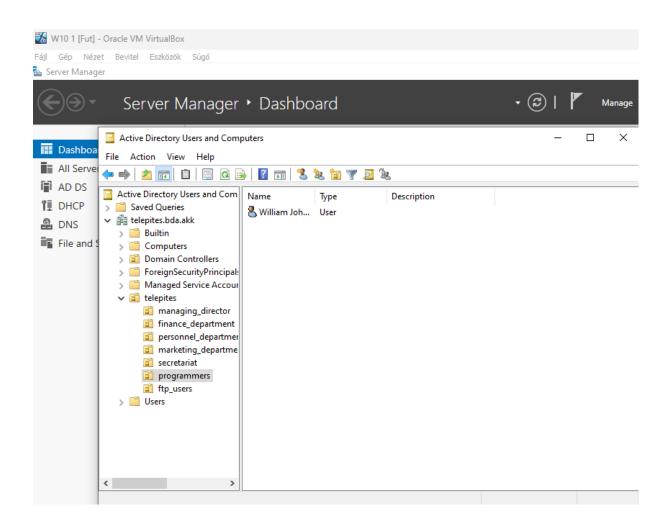
#### 4.3 DNS

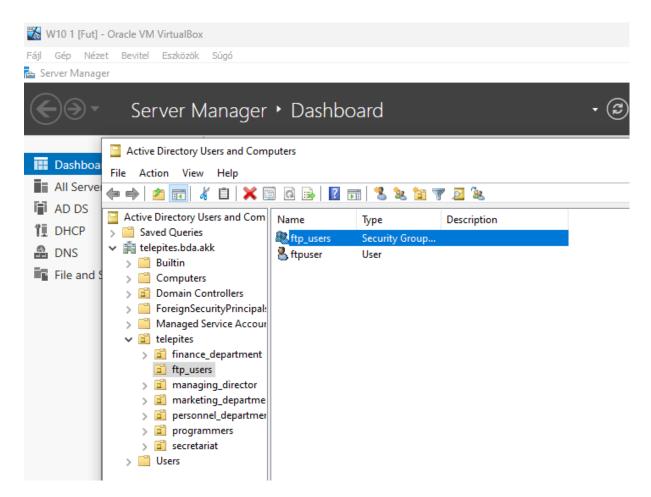




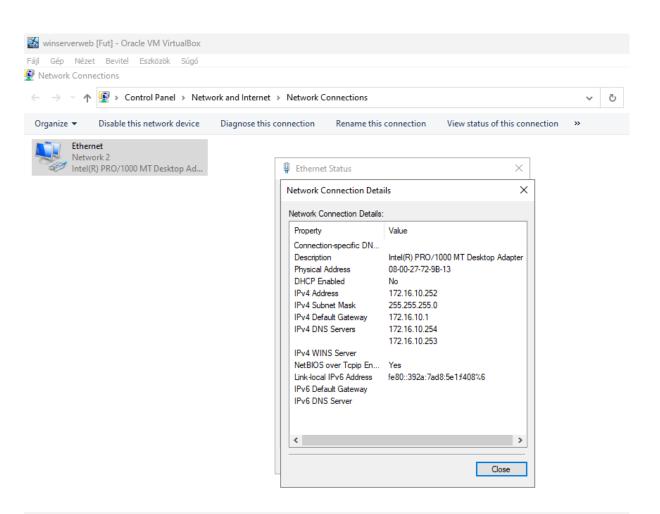
#### 4.4 Active Directory

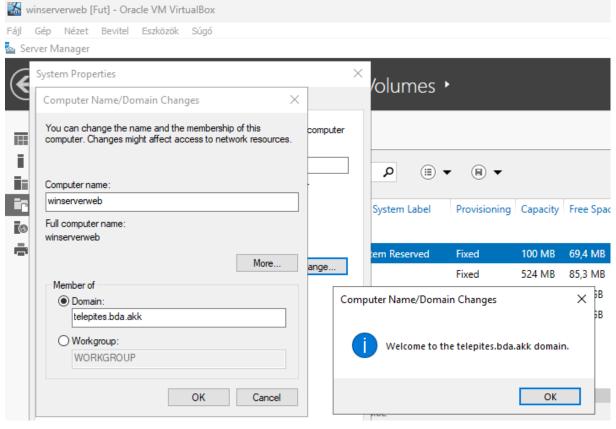




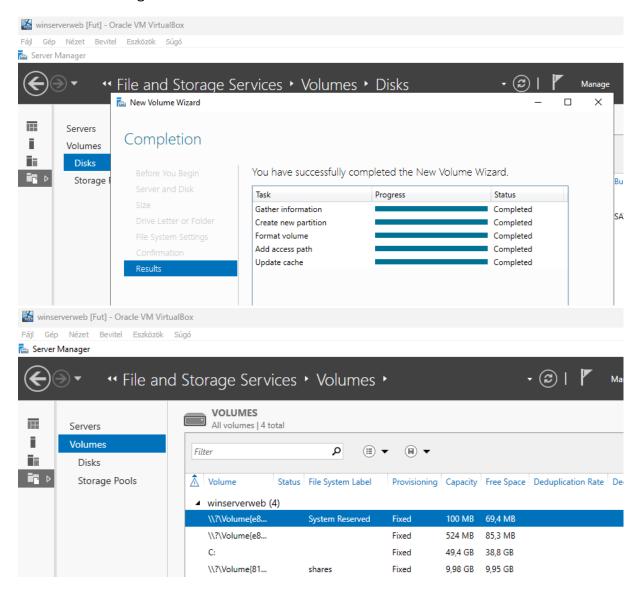


- 6. Windows szerver GUI
- 6.1 Kezdeti konfiguráció

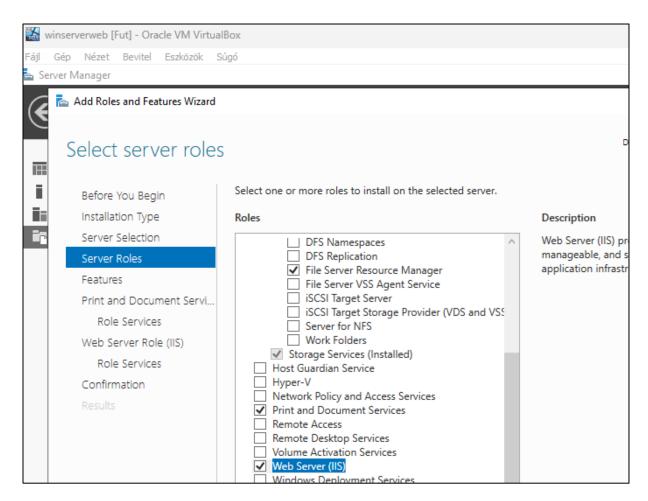




### 6.2 File and Storage Services

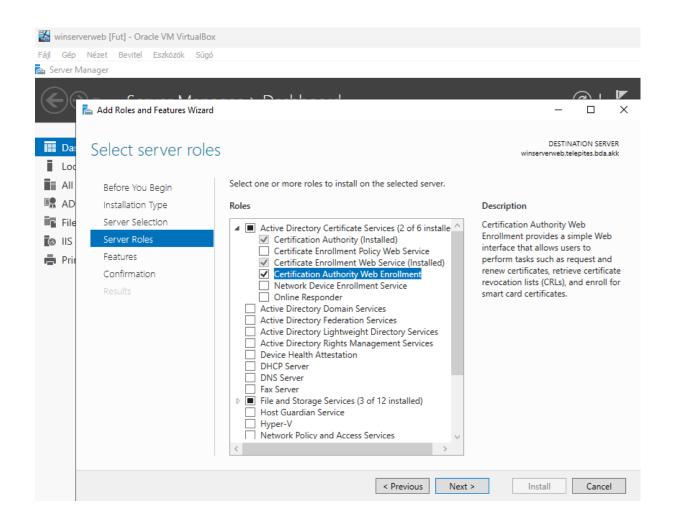


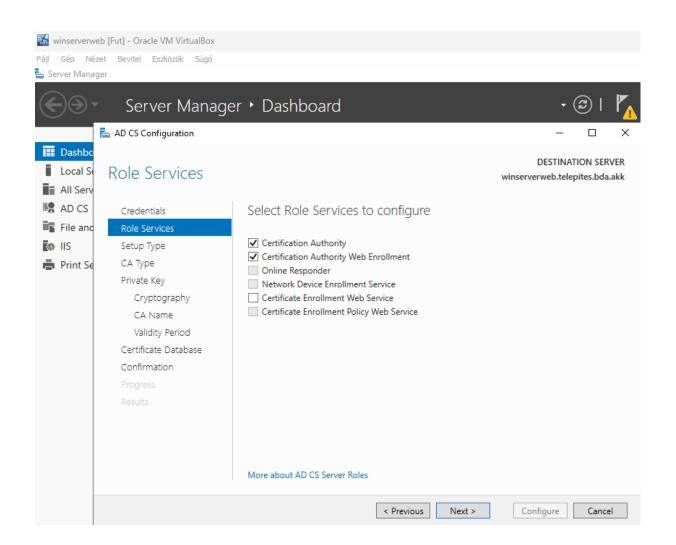
6.3 Web | FTP | Print szerver telepítése

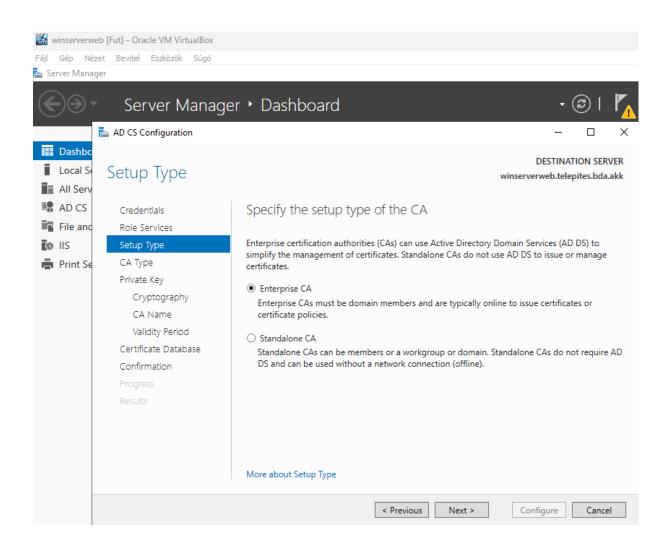


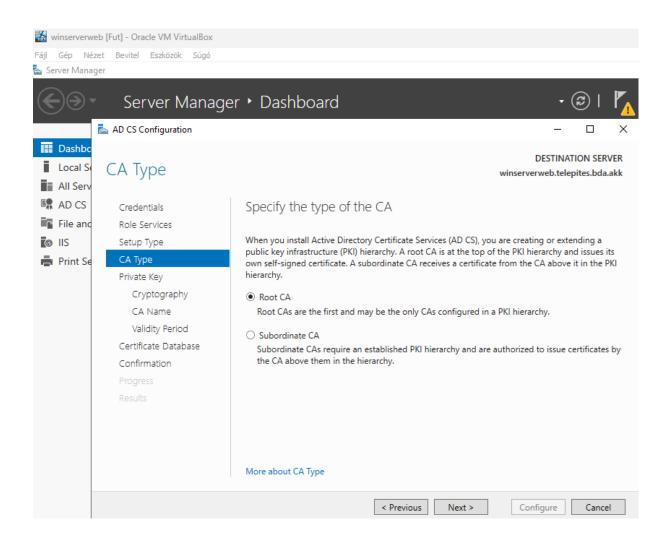
7. ábra Szerver szerepkörök felvevése

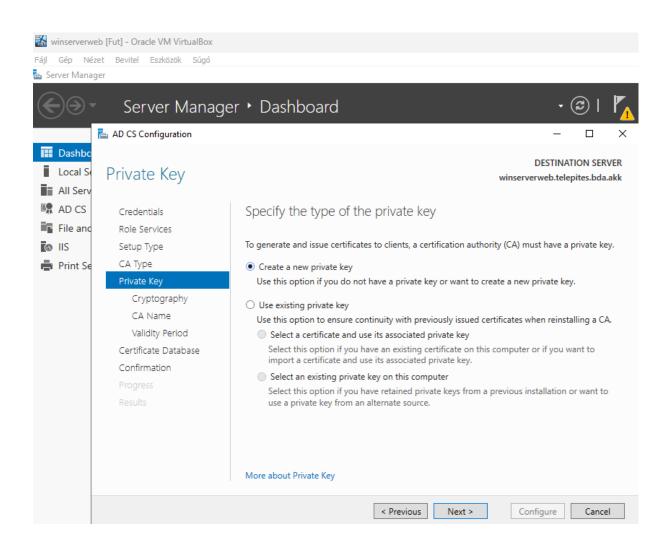
6.4 ADCS Root CA

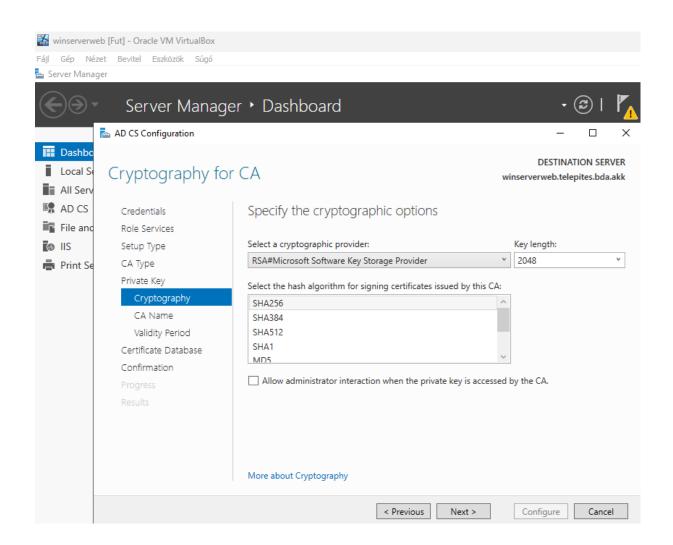


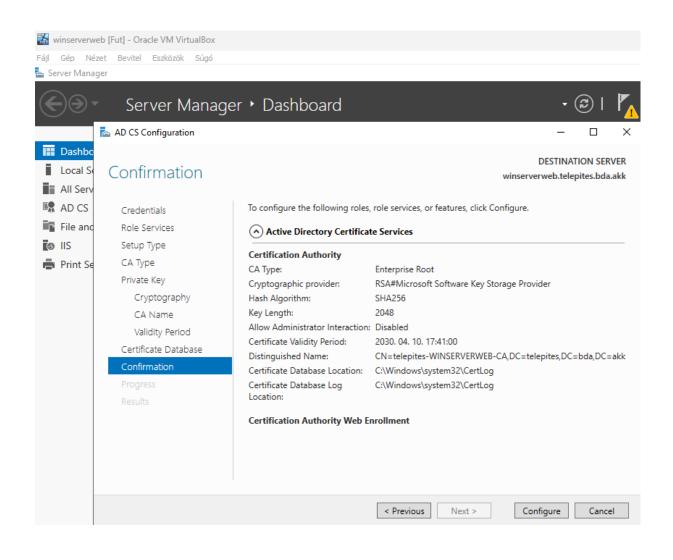


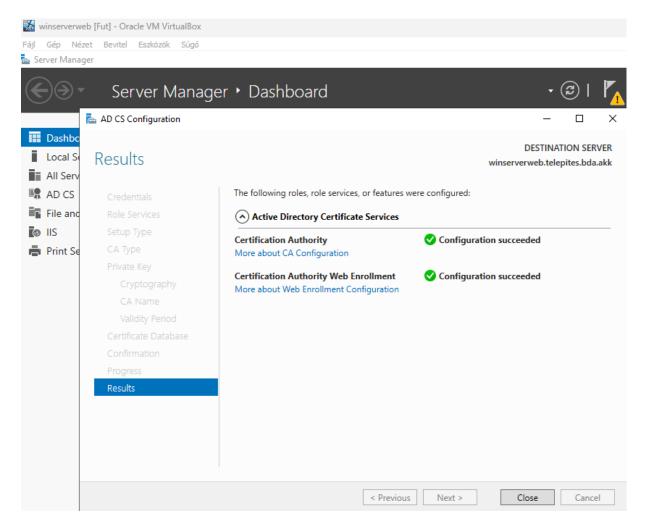




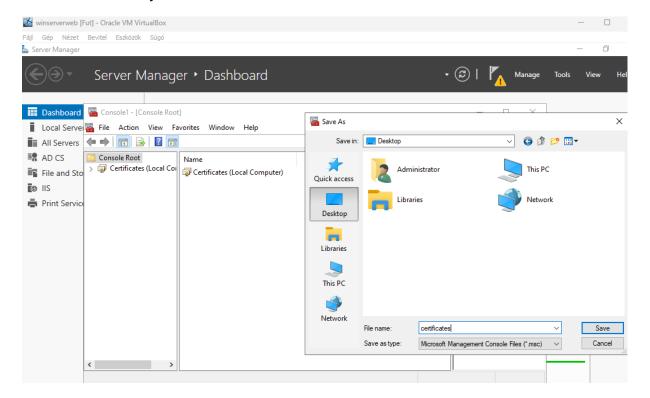


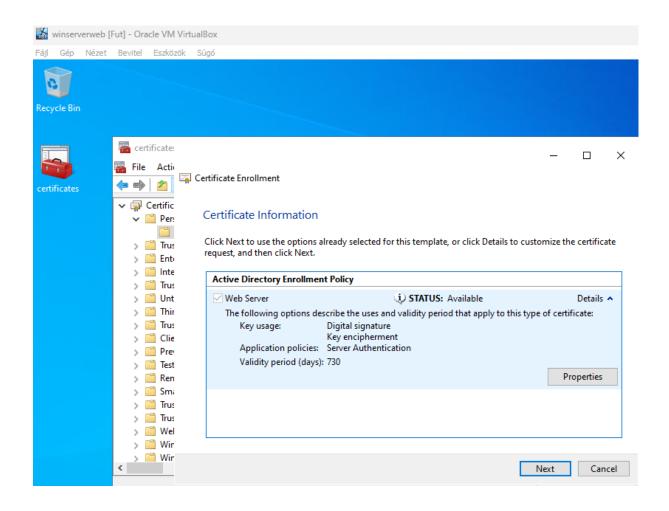


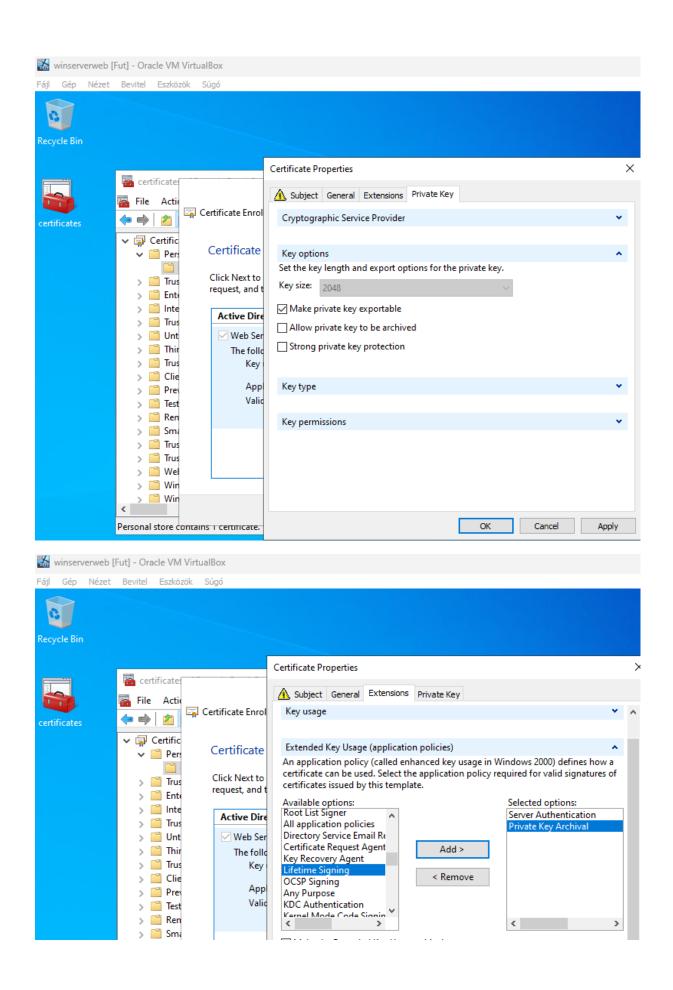


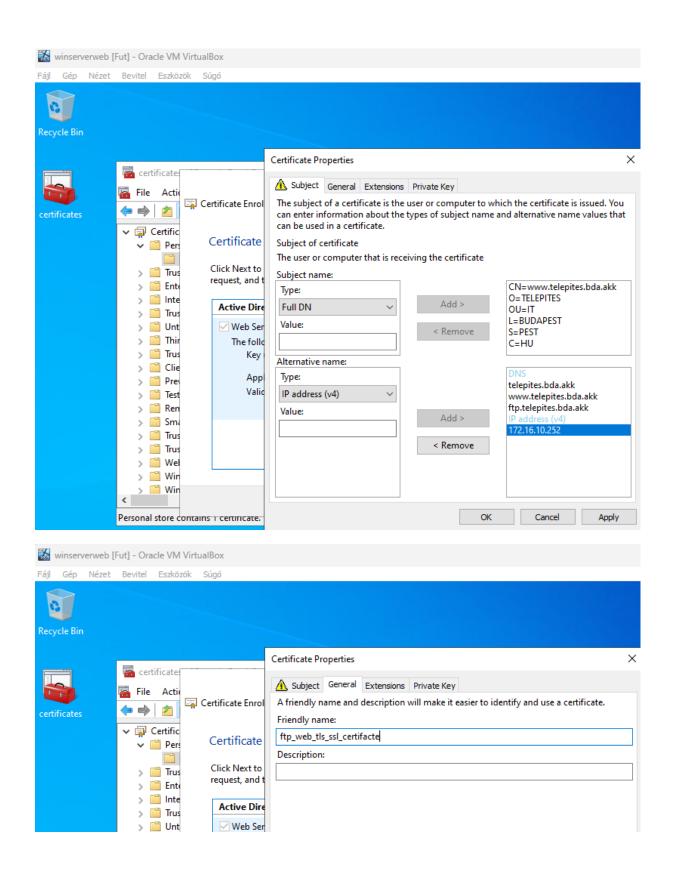


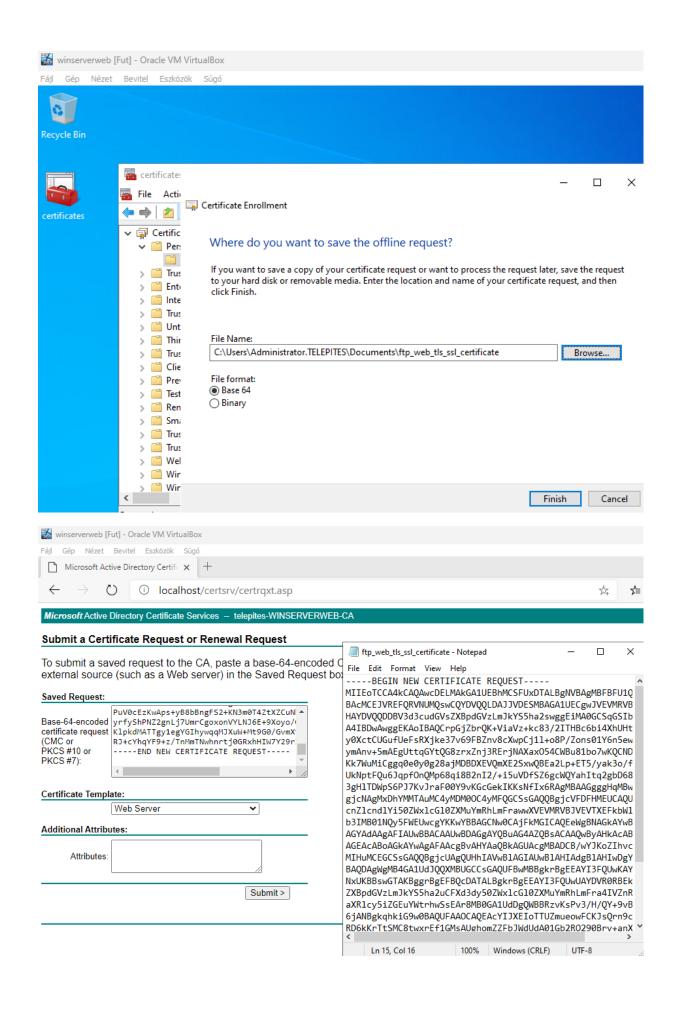
### 6.5 SSL tanusítvány

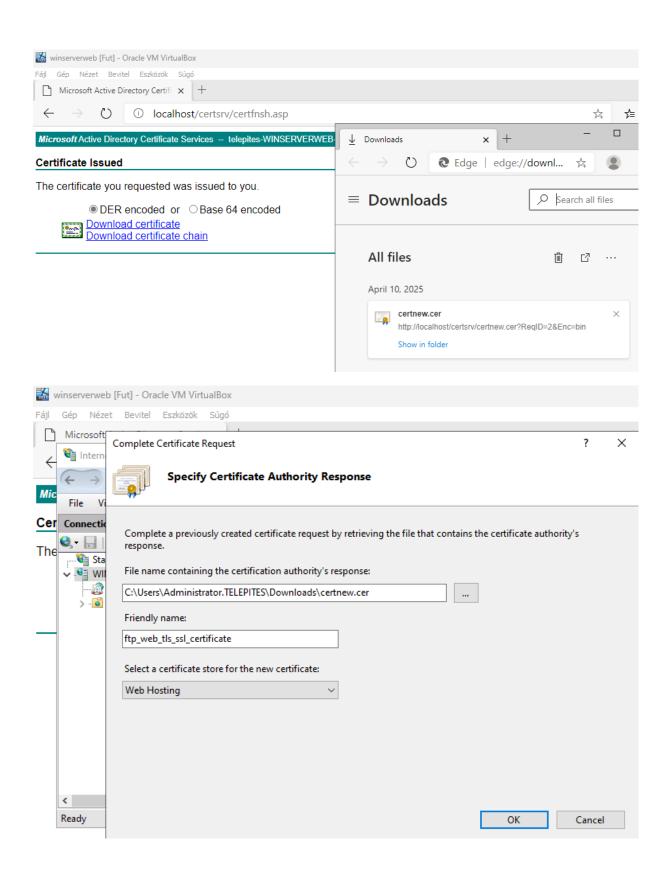


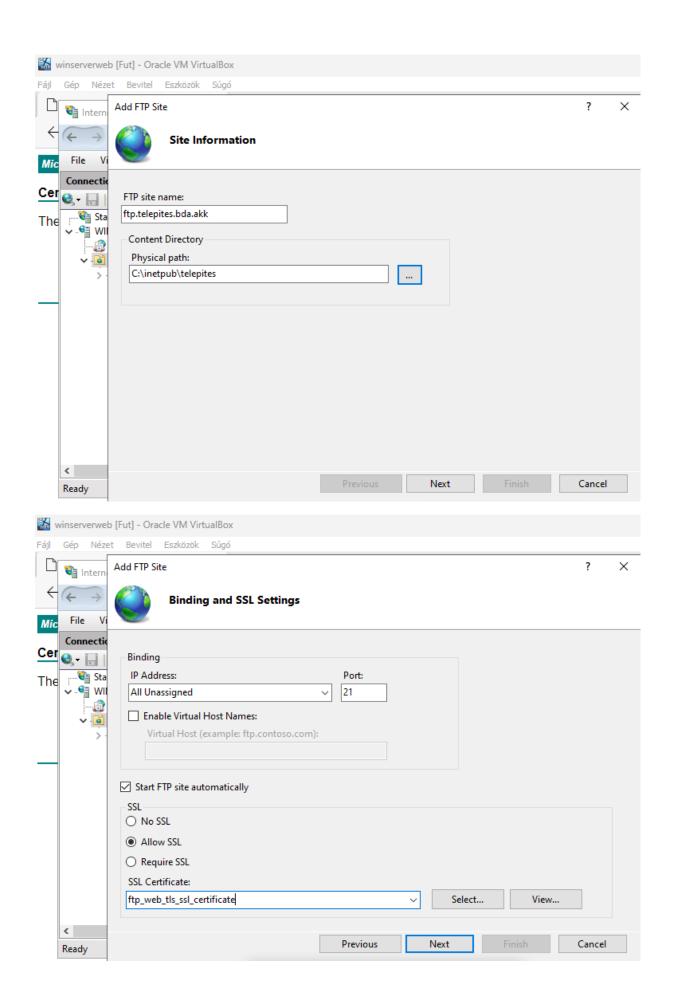


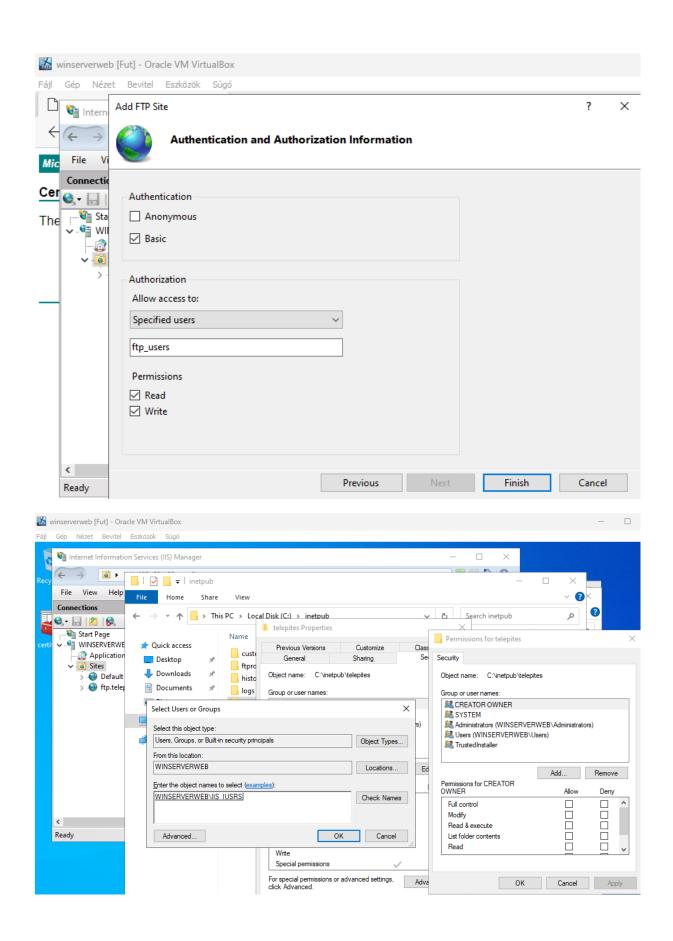


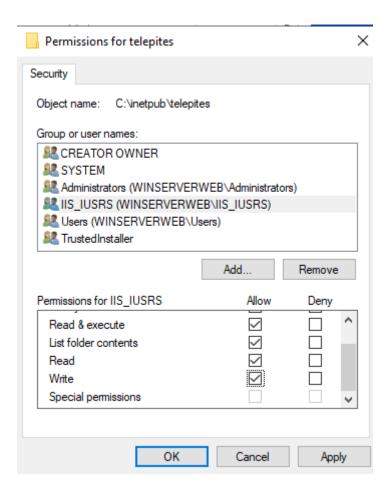


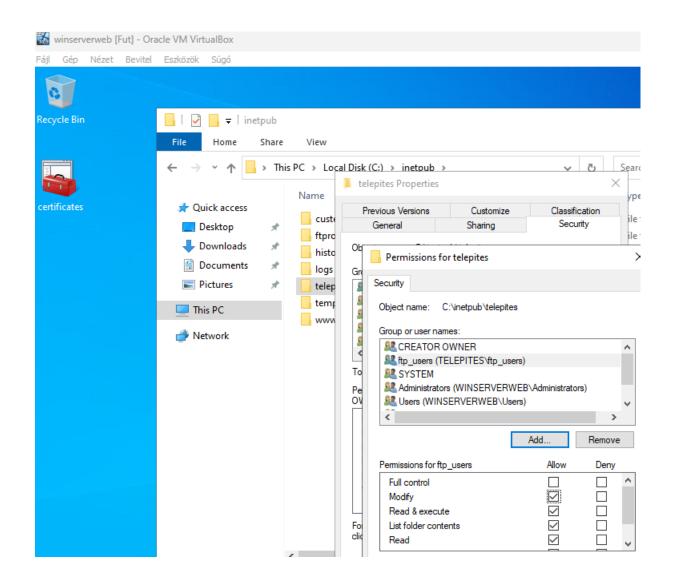


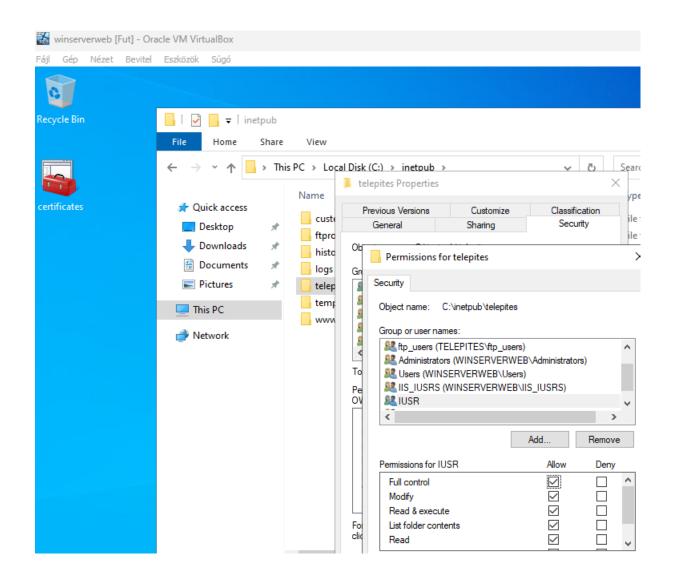


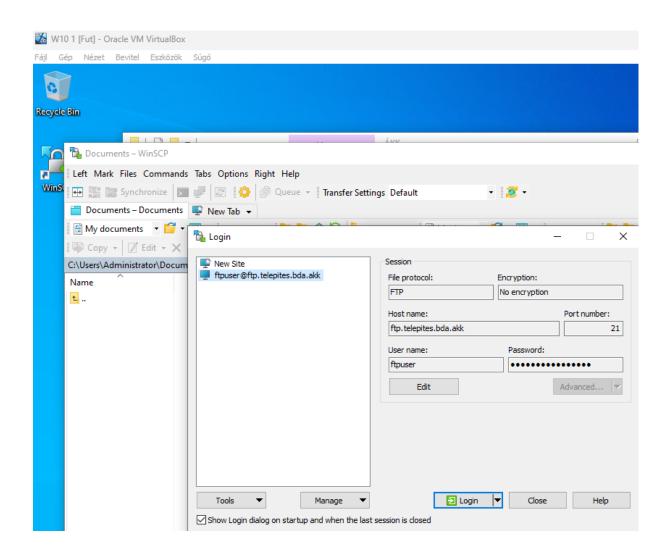


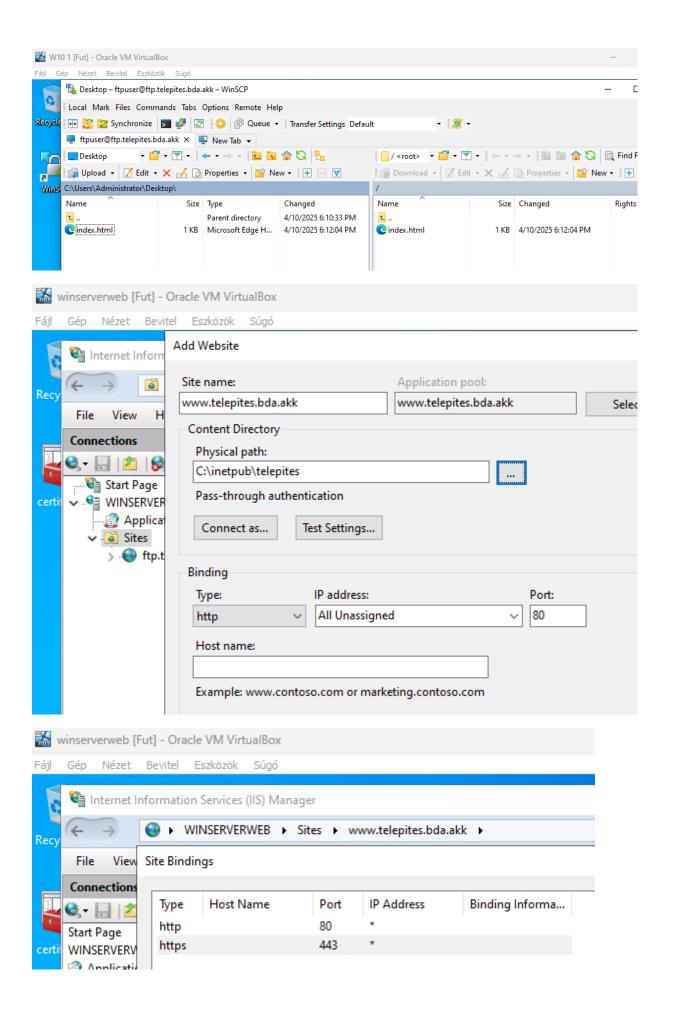


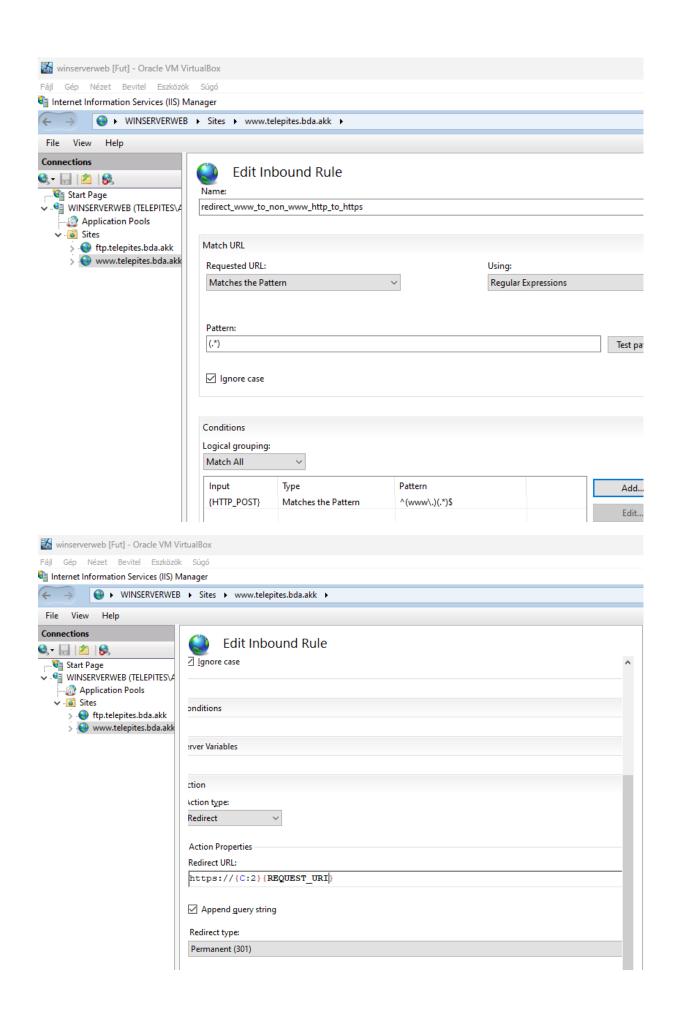


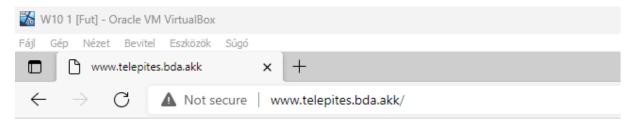












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