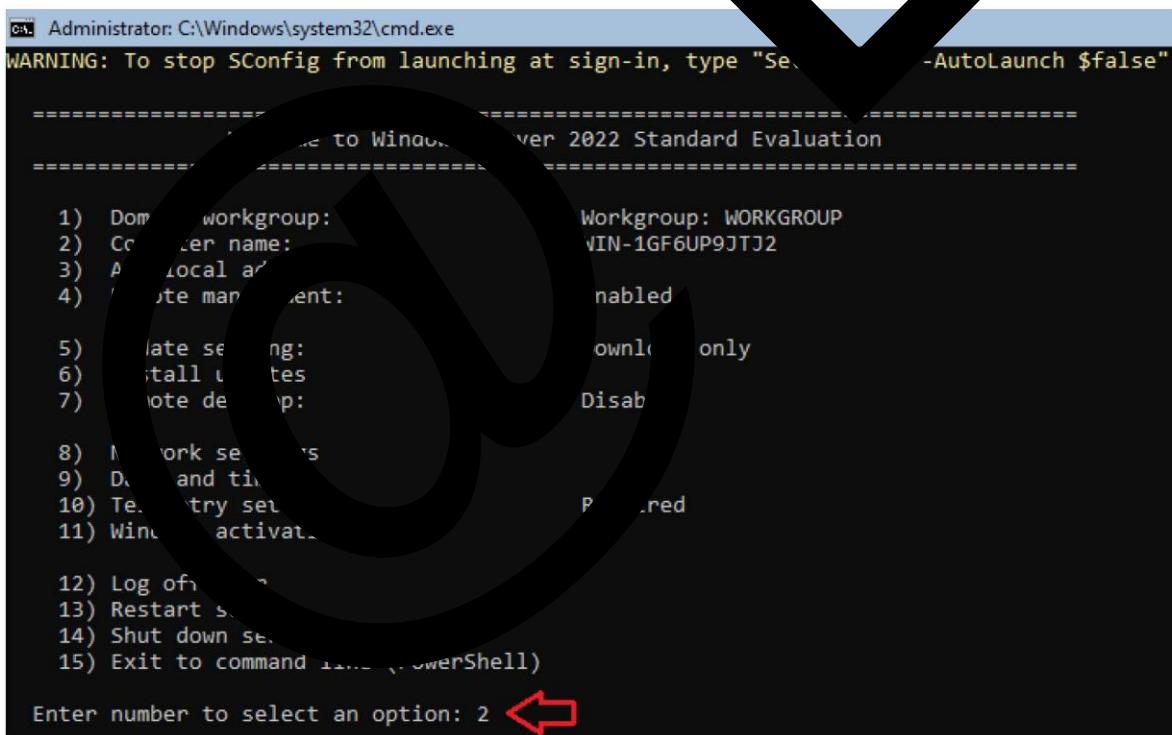


2.2 A szerver kezdeti konfigurálása SConfig-ban



```
Administrator: C:\Windows\system32\cmd.exe  
=====  
Computer name  
=====  
Current computer name: WIN-1GF6UP9JTJ2  
Enter new computer name (Blank=Cancel): winserverpdc 
```

```
Administrator: C:\Windows\system32\cmd.exe  
=====  
Computer name  
=====  
Current computer name: WIN-1GF6UP9JTJ2  
Enter new computer name (Blank=Cancel): winserverpdc  
Changing computer name...  
WARNING: The changes will take effect after you start the computer WIN-1GF6UP9JTJ2.  
Restart now? (Y)es or (N)o: n 
```

```
Administrator: C:\Windows\system32\cmd.exe  
=====  
Welcome to Windows Server 2022 Standard - valvula  
=====  
1) Domain/workgroup: WORKGROUP  
2) Computer name: WIN-1GF6UP9JTJ2  
3) Add local administrator: Enabled  
4) Remote management: Enabled  
5) User settings: Download only  
6) Call user: Disabled  
7) Note down: Disabled  
8) Network settings  
9) Update and resume  
10) Remotely setting: Required  
11) Windows activation  
12) Local user  
13) Reset server  
14) Shut down server  
15) Exit to command line (PowerShell)  
Enter number to select an option: 7 
```

```
Administrator: C:\Windows\system32\cmd.exe  
=====  
          Remote desktop  
=====  
Remote desktop status: Disabled  
(E)nable or (D)isable Remote Desktop? (Blank=Cancel): e ←
```

```
Administrator: C:\Windows\system32\cmd.exe  
=====  
          Remote desktop  
=====  
Remote desktop status: Disabled  
(E)nable or (D)isable Remote Desktop? (Blank=Cancel): e  
1) Allow only clients running remote desktop with network level authentication (more secure)  
2) Allow clients running any version of remote desktop (less secure)  
Enter selection (Blank=Cancel): 1 ←
```

Enabling remote desktop...
Successfully configured remote desktop.
(Press ENTER to continue): ←

```
Administrator: C:\Windows\system32\cmd.exe  
=====  
          Welcome to Windows Server 2022 Standard  
=====  
1) Domain/workgroup: WORKGROUP  
2) Computer name: WIN-1GF6UP9JTJ2  
3) Add 'sa' administrator  
4) Remote management  
5) Internet settings  
6) Firewall rules  
7) Note down:  
8) Network settings  
9) Update and repair  
10) Security setting:  
11) Allows all connection  
12) Log off user  
13) Restart server  
14) Shut down server  
15) Exit to command line (Press F11)  
Enter number to select an option: 8 ←
```

```
C:\ Administrator: C:\Windows\system32\cmd.exe  
===== Network settings =====  
  
Available network adapters:  
  
Index # | IP address | Description  
1 | 169.254.86.128 | Intel(R) PRO/1000 MT Desktop Adapter  
  
Select network adapter index # (Blank=Cancel): 1 ←
```

```
C:\ Administrator: C:\Windows\system32\cmd.exe  
===== Network adapter settings =====  
  
NIC index: 1  
Description: Intel(R) PRO/1000 MT Desktop Adapter  
IP address: 169.254.86.128,  
fe80::1a6:8a29:e554:5680  
Subnet mask: 255.255.0.0  
DHCP enabled: True  
  
Default gateway:  
Preferred DNS server:  
Alternate DNS server:  
  
1) Set network adapter address  
2) Set DNS servers  
3) Clear DNS server settings  
  
Enter selection (Blank=Cancel): 1 ←
```

```
C:\ Administrator: C:\Windows\system32\cmd.exe  
===== Network adapter settings =====  
  
NIC index: 1  
Description: Intel(R) PRO/1000 MT Desktop Adapter  
IP address: 169.254.86.128,  
fe80::1a6:8a29:e554:5680  
Subnet mask: 255.255.0.0  
DHCP enabled: True  
  
Default gateway:  
Preferred DNS server:  
Alternate DNS server:  
  
1) Set network adapter address  
2) Set DNS servers  
3) Clear DNS server settings  
  
Enter selection (Blank=Cancel): 1  
Select (D)HCP or (S)tatic IP address (Blank=Cancel): s ←
```

```
Enter static IP address (Blank=Cancel): 172.16.0.254 ←
Enter subnet mask (Blank=255.255.255.0): 255.255.0.0 ←
Enter default gateway (Blank=Cancel): 172.16.0.1
Setting NIC to static IP...
Successfully released DHCP lease.
Successfully enabled static addressing. DHCP for this network adapter is disabled.
Successfully set gateway.
Successfully set network adapter address.
(Press ENTER to continue): ←
```

```
Administrator: C:\Windows\system32\cmd.exe
=====
Welcome to Windows Server 2022 Standard Evaluation Edition
=====

1) Domain/workgroup: Workgroup: WORKGROUP
2) Computer name: WIN-1GF6UP07TJ2
3) Add local administrator
4) Remote management: Enabled (more...)

5) Update setting: Load only
6) Install updates
7) Remote desktop: Enabled (more...)

8) Network settings
9) Date and time
10) Telemetry setting: Required
11) Windows activation

12) Log off user
13) Restart server
14) Shut down server
15) Exit to command prompt (PowerShell)

Enter number to select an option: ←
```

```
Administrator: C:\Windows\system32\cmd.exe
=====
seti ls
=====

Available network adapters:
Index #   address      description
1       172.16.0.254 Intel(R) 1000 MT Desktop Adapter

Select network adapter index # (Blank=Cancel): 1 ←
```

```
c:\ Administrator: C:\Windows\system32\cmd.exe
=====
Network adapter settings
=====

NIC index: 1
Description: Intel(R) PRO/1000 MT Desktop Adapter
IP address: 172.16.0.254,
fe80::1a6:8a29:e554:5680
Subnet mask: 255.255.0.0
DHCP enabled: False

Default gateway: 172.16.0.1
Preferred DNS server:
Alternate DNS server:

1) Set network adapter address
2) Set DNS servers
3) Clear DNS server settings

Enter selection (Blank=Cancel): 2 ←
```

```
Enter new preferred DNS server (Blank=Cancel): 8.8.8. ←
Enter alternate DNS server (Blank=None): ←
```

```
Successfully assigned DNS server(s).
(Press ENTER to continue): ←
```

```
12) Log off user
13) Restart server
14) Shut down server
15) Exit to command prompt (PowerShell)

Enter number to select an option: 1 ←
```

Telepítési segédlet „Guest Additions” telepítése



```
c:\ Administrator: C:\Windows\system32\cmd.exe
PS C:\Users\Administrator> d:
PS D:\> .\VBoxWindowsAdditions.exe ←
```

haladjunk végig a telepítési folyamatot, majd „Reboot now”

2.3 A szerver konfigurálása PowerShell-ben | AD/Forest telepítése, konfigurálása

Csatlakozunk távoli asztal kapcsolattal a szerverhez, majd lépjünk ki a PowerShell-be!

```
Administrator: C:\Windows\system32\cmd.exe
WARNING: To stop SConfig from launching at sign-in, type "Set-SConfig -AutoLaunch $false"
=====
Welcome to Windows Server 2022 Standard Evaluation
=====

1) Domain/workgroup: WORKGROUP
2) Computer name: WINSERVERPDC
3) Add local administrator
4) Remote management: Enabled
5) Update setting: Download only
6) Install updates
7) Remote desktop: Enabled (more secure clients)
8) Network settings
9) Date and time
10) Telemetry setting: Required
11) Windows activation
12) Log off user
13) Restart server
14) Shut down server
15) Exit to command line (PowerShell)

Enter number to select an option: 15
```

Konfiguráljuk a már tanult módon a megfelelő időben!

AD/Forest telepítése, konfigurálása:

Install-WindowsFeature AD-domain-services -IncludeManagementTools -Verbose

Install-ADDSForest -DomainName xycompany.xy -SafeModeWin2012R2 -DomainMode Win2012R2 -DomainNetbiosName XYCOMPANY -InDc -Dns:\$true

SafeModeAdministratorPassword: #Aa123456789@

A telepítést „Y”-nal követhetjük, ha minden helyesen futott el! Lépjünk ki a PowerShellből!

A gép újra fog indulni a telepítés után. A újrindulás után távoli asztal kapcsolaton keresztül lépjünk vissza a PowerShellbe!

2.4 A szerver konfigurálása PowerShell-ben | DHCP telepítése, konfigurálása

Install-WindowsFeature DHCP -IncludeManagementTools -Verbose

Add-DhcpServerv4Scope -Name xycompany_scope -StartRange 172.16.0.100 -EndRange 172.16.0.150 -SubnetMask 255.255.255.0

Set-DhcpServerv4OptionValue -DnsDomainName xycompany.xy -DnsServer 172.16.0.254, 172.16.0.253 -Router 172.16.0.254

Add-DhcpServerInDC -DnsName winserverpdc.xycompany.xy
Get-DhcpServerv4Scope | Select-Object -Property *

Restart-Service DHCPServer

3. Windows Server (Core) | Backup Domain Controller | Active Directory | DNS | DHCP

Telepítsük a Windows szerver Core verzióját a fent ismertetett módon!

3.1 A szerver kezdeti konfigurálása SConfig-ban

A számítógép neve: **winserverbdc**

Kapcsoljuk be a távoli asztal kapcsolatot (more secure)!

IP cím paraméterek:

IP address: **172.16.0.253**

Subnet mask: **255.255.0.0**

Gateway: **172.16.0.1**

Preferred DNS server: **172.16.0.254**

Telepítsük a „Guest Additions” kiegészítőt!

Indítsuk újra a virtuális gépet!

3.2 A szerver konfigurálása PowerShell-ben | Backup Domain Controller konfigurálása

Csatlakozunk távoli asztal kapcsolattal a szerverhez!

Lépjünk ki a PowerShell-be!

Konfiguráljuk a szerver működés megfelelő időzónát!

Backup Domain Controller konfigurálása

```
Install-WindowsFeature -Name RSAT-AD-Domain-Services -IncludeManagementTools -Verbose
```

```
Install-ADDSDomainController -Reboot -AllDns -redeemal (Get-Credential  
$xycpan -Administrator) -DomainName "company.xy" -SafeModeAdministratorPassword  
(ConvertTo-SecureString -AsPlainText "kal123456@89@" -Force)
```

Jelszó: #AaBbCcDdEeFfGgHhIiJjKkLlMmNnOoPpQqRrSsTtUuVvWwXxYyZz1234567890

A telepítést „Y”-rel vagy Enter-rel folytassuk!

A virtuális gép újra fog indulni!



3.3 A szerver konfigurálása PowerShell-ben | DHCP/DHCP Failover konfigurálása

Csatlakozzunk újra távoli asztal kapcsolattal a szerverhez és indítsuk el a PowerShell-t!

Install-WindowsFeature DHCP -IncludeManagementTools -Verbose

Set-DhcpServerv4OptionValue -DnsDomain xycompany.xy -DnsServer 172.16.0.254, 172.16.0.253 -Router 172.16.0.1

Add-DhcpServerInDC -DnsName winserverbdc.xycompany.xy

DHCP Failover telepítése:

Add-DhcpServerv4Failover -ComputerName "winserverpdc.xycompany.xy" -PartnerServer "winserverbdc.xycompany.xy" -Name "winserverpdc-winserverbdc" -PrimaryStandby -ServerRole Active -ReservePercent 10 -MaxClientLeadTime 1:00:00 -GraceSwitchInterval 00:45:00 -ScopeId 172.16.0.0 -SharedSecret "#Aa123456789@"

A telepítést „Y”-nal, vagy Enter-rel folytassuk!

Set-DnsServerForwarder -IPAddress 8.8.8.8

Get-DhcpServerv4Scope | Select-Object -Property * *

Restart-Service DHCPServer

Indítsuk újra minden szervert (először a bdc-t, utána a pdc-t):

shutdown -r

4. Windows klien

Telepítsük el, konfiguráljuk a Windows klien-t a már tanult módon!

Telepítse a „Guest Additions” kiegészítőt!

A virtuális gép újraindulása után le kell váltani a windows admin felhasználóval!

4.1 A Windows klien-t szármányba léptetése

Adjunk nevet a virtuális gépnek, és lépessük a szármányba, a már tanult módon!

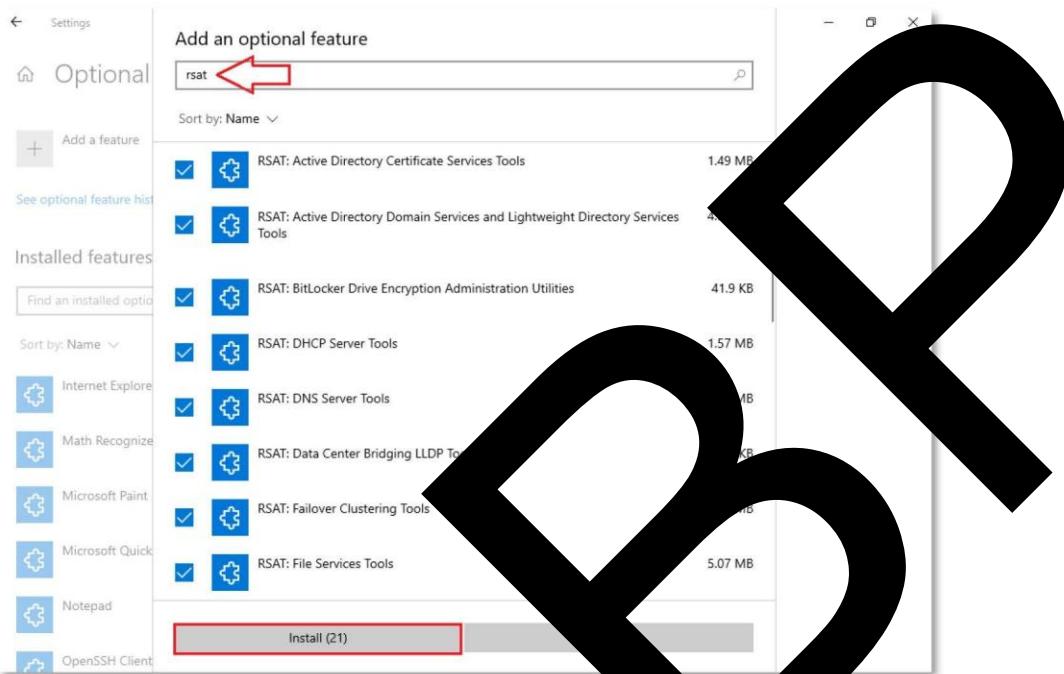
Computer description: winclient

Computer name: winclient

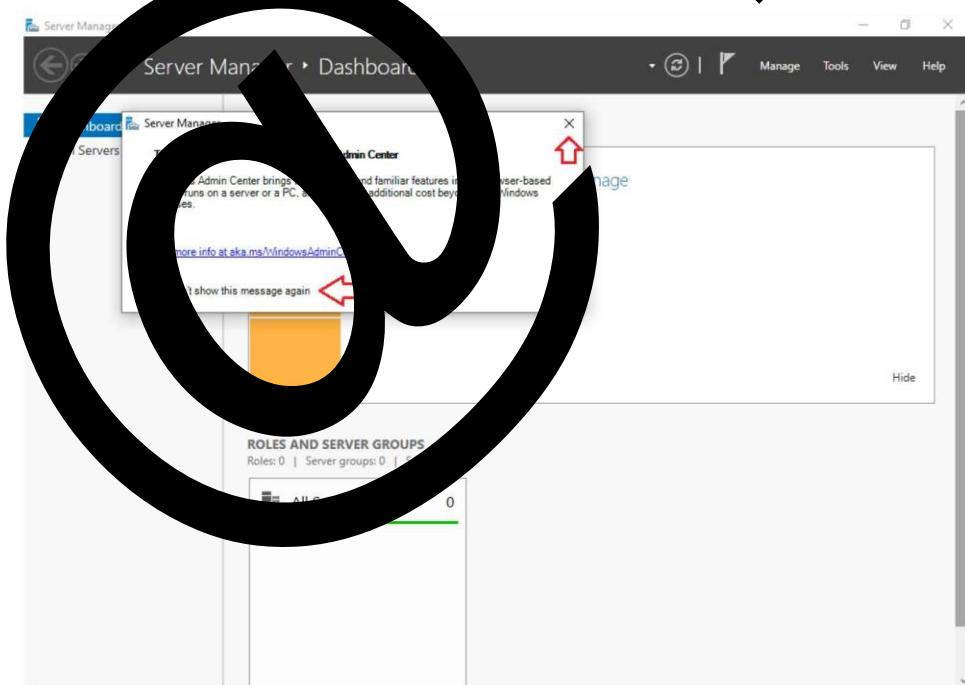
4.2 Remote Server Administration Tools (RSAT) telepítése és használata

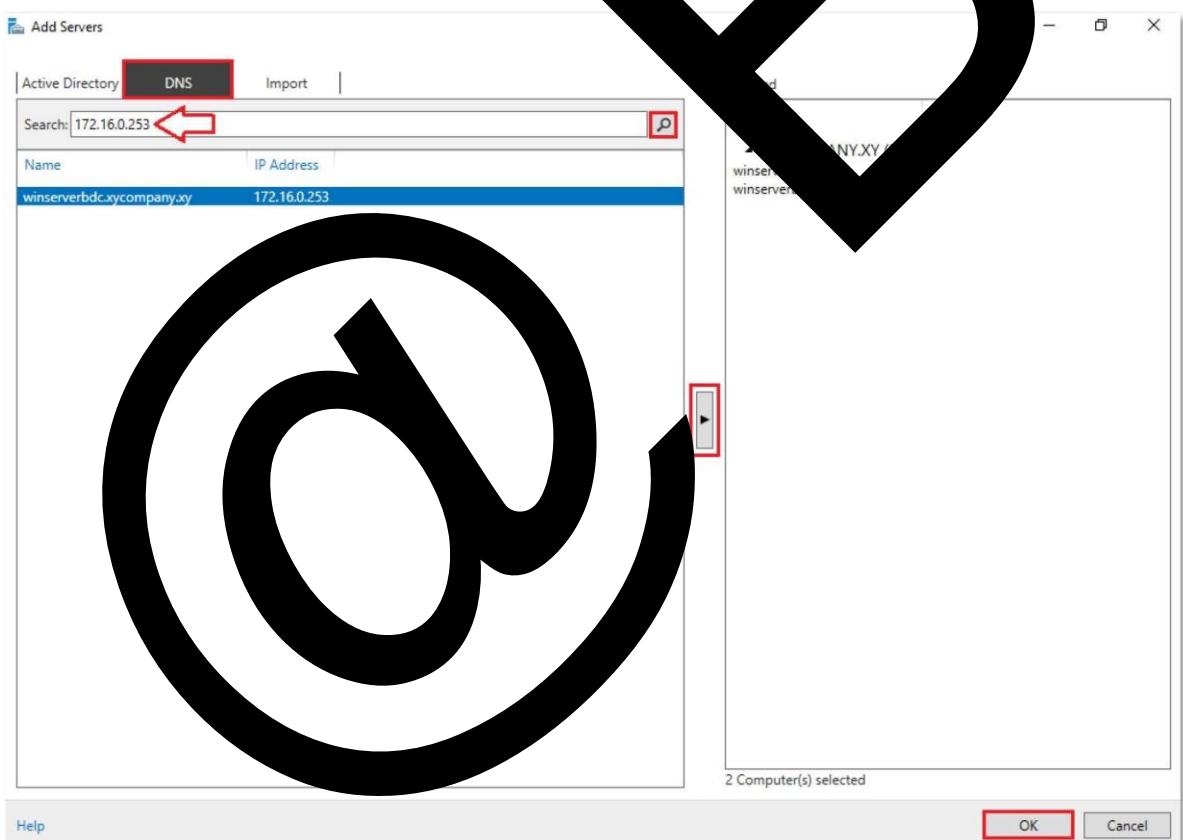
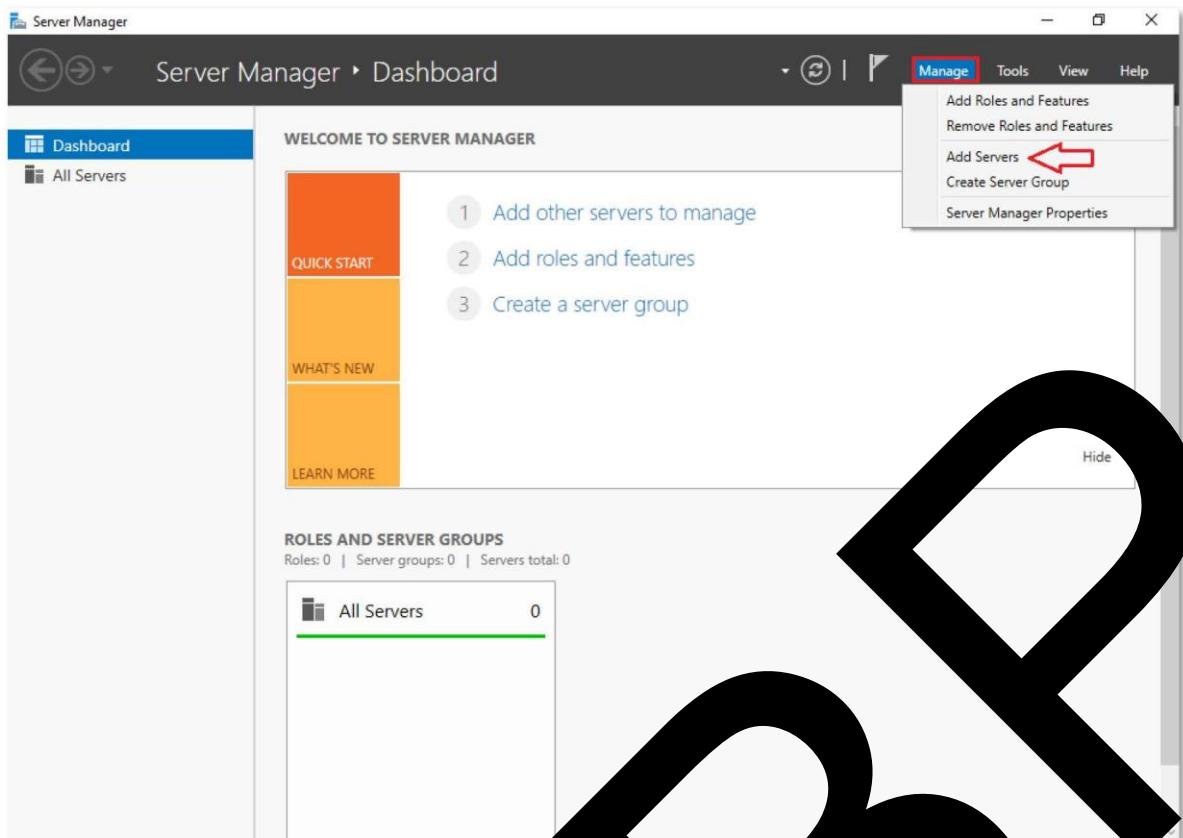
A kliens gép tartományba léptetése után az újraindulást követően **tartományi adminisztrátorként** lépjünk vissza!

Start menü → jobb klick → Apps and Features → Optional features → Add a feature → a keresőbe: rsat → jelöljük ki az összes összetevőt → install



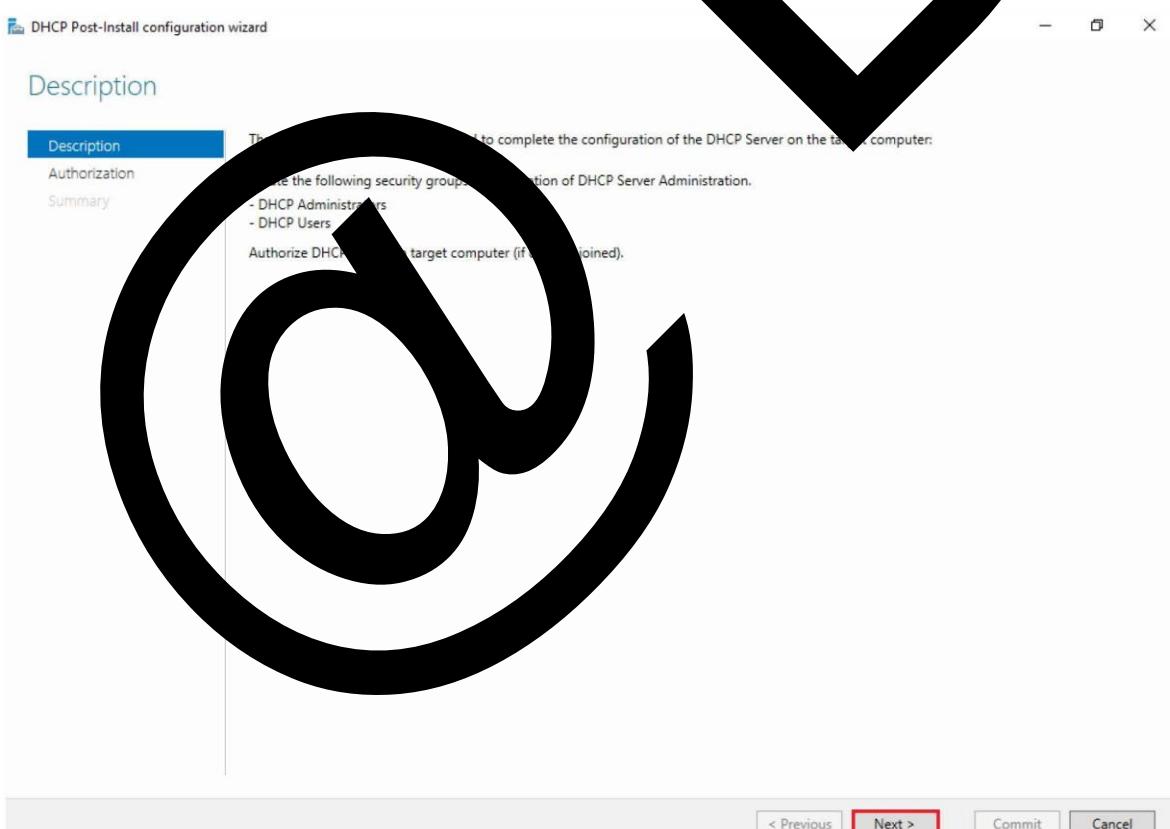
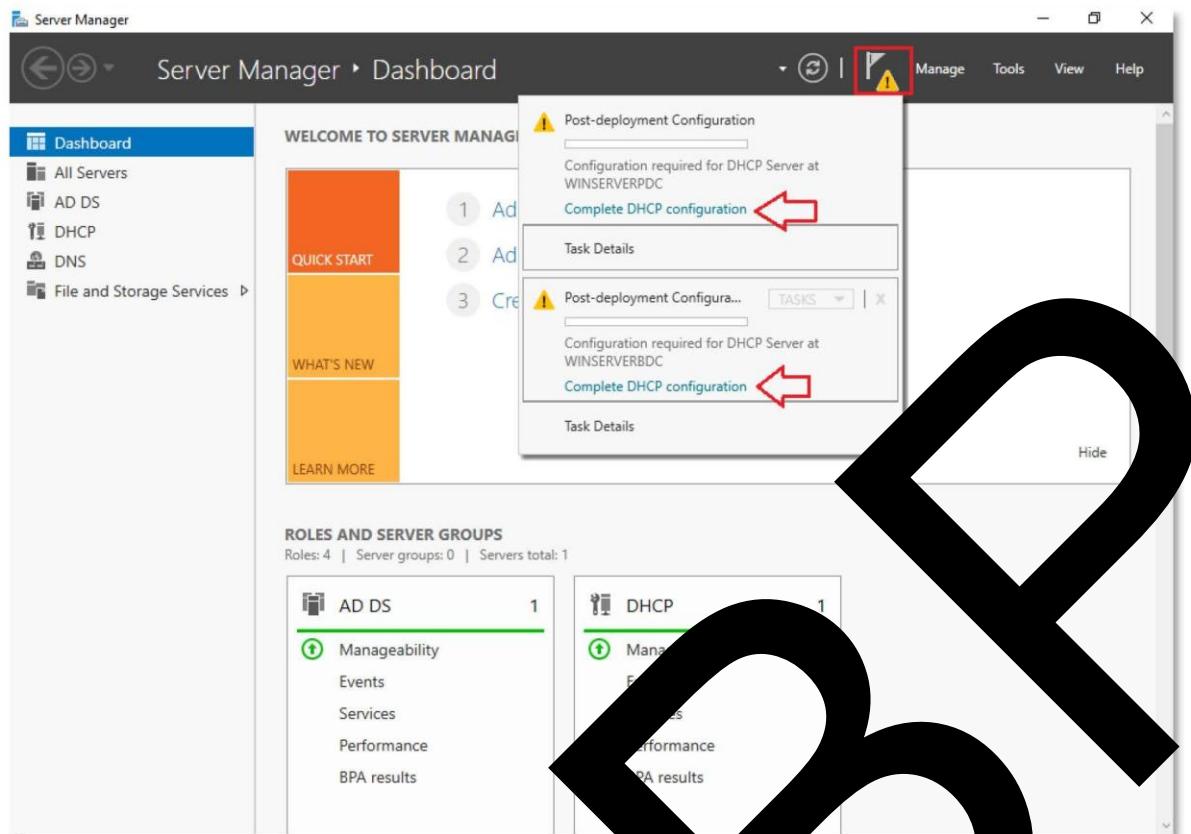
Indítsuk el a **Server Manager**-t és adjuk hozzá a PDC és a BDC szerverünket:

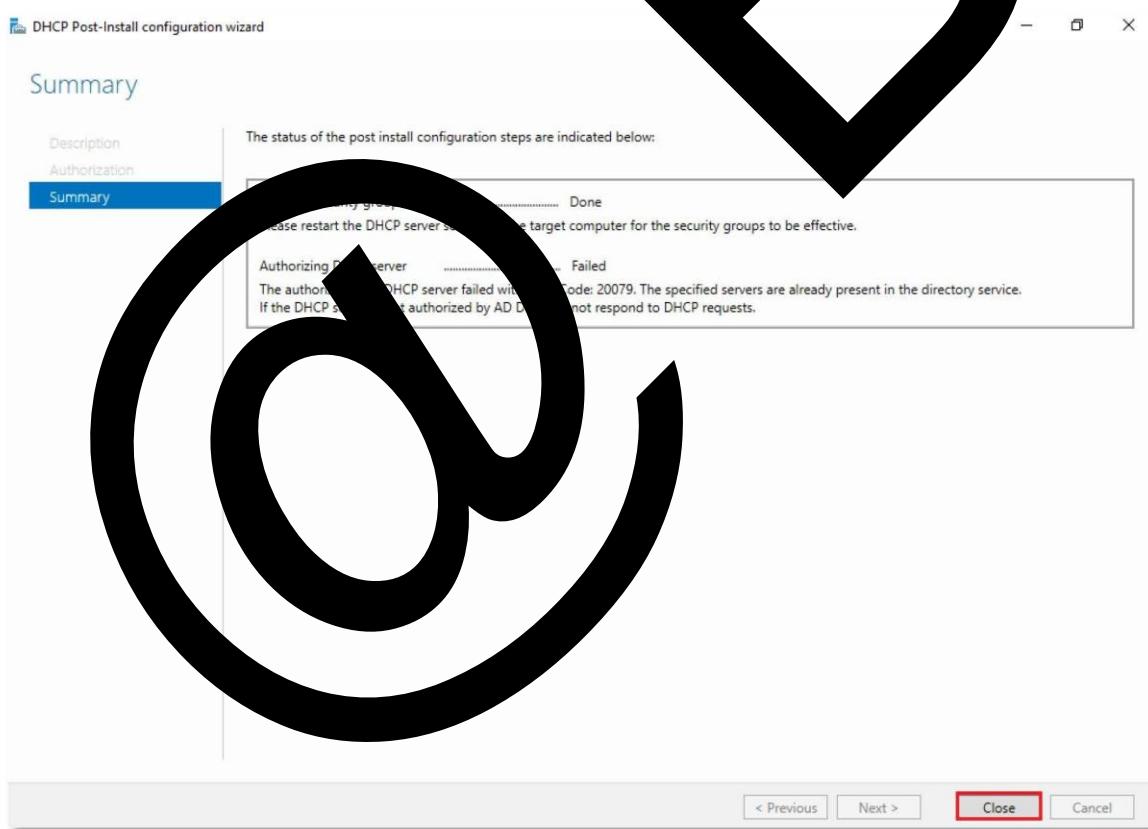
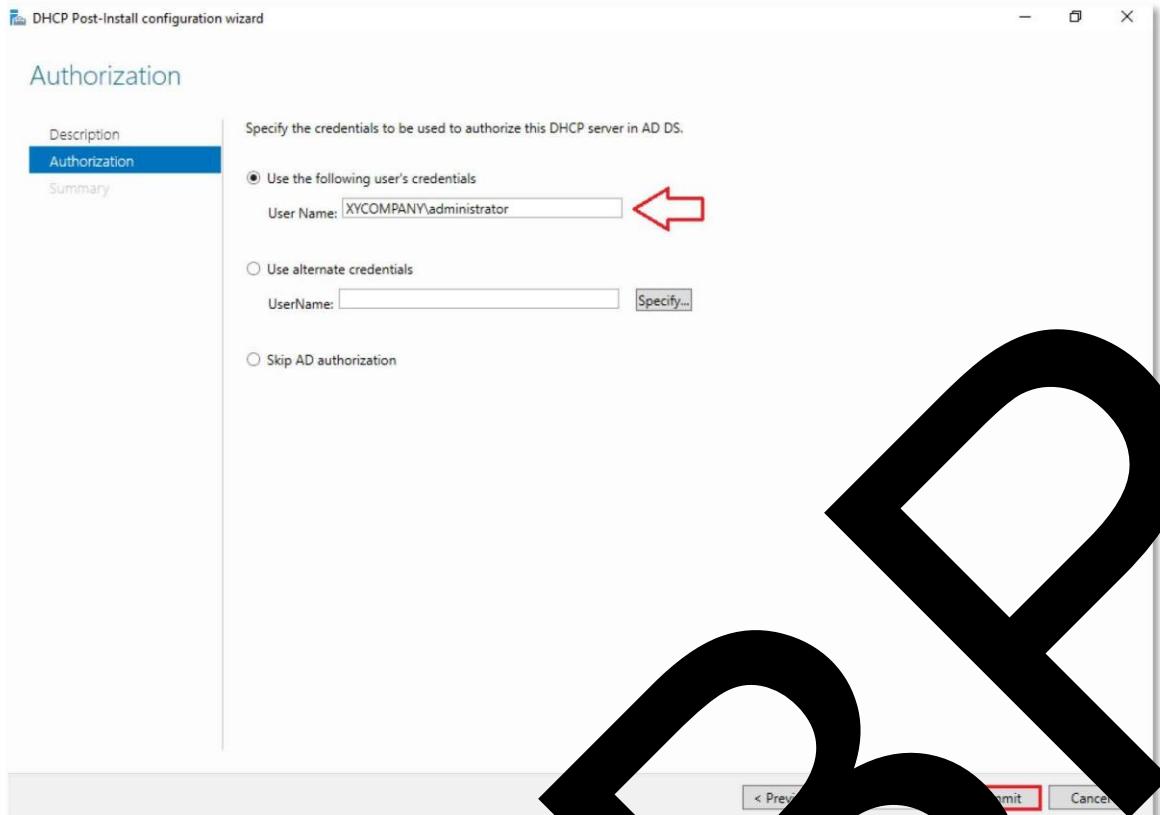




a „DNS” fülön a **pdc**, valamint a **bdc** szerverek IP címére keressünk rá, és helyezzük át a jobb oldali panelre a kiválasztott szervereket, majd „OK”

Fejezzük be a DHCP konfigurálását minden szerver esetében:





4.3 A DNS szolgáltatás konfigurálása (a winserverpdc szerveren)

Hozzunk létre a „Reverse Lookup Zones” alatt egy zónát (Network ID: 172.16.0) és vegyük fel az alábbi pointer-eket (PTR):

New Pointer (PTR)...:

Host IP Address: 172.16.0.254

Host name: winserverpdc.xycompany.xy

Host IP Address: 172.16.0.253

Host name: winserverbdc.xycompany.xy

Host IP Address: 172.16.0.252

Host name: winserverweb.xycompany.xy

Forward Lookup Zones:

New Host (A or AAAA)...:

Name: (hagyjuk üresen)

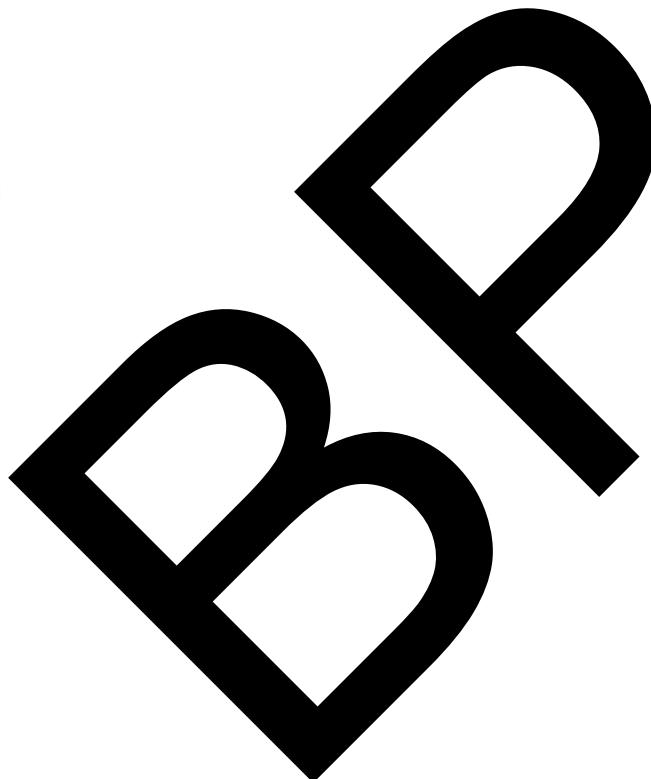
IP address: 172.16.0.252

Name: www

IP address: 172.16.0.252

Name: ftp

IP address: 172.16.0.252



4.4 Active Directory | szervezeti egységek | felhasználók | csoportok felvétele

Hozzuk létre az alábbi szervezeti felépítményt a már tanult módon! Vegyük fel szervezeti egységeket, felhasználókat, csoportokat! A felhasználókat tegyük bele a megfelelő csoportba!

xycompany.com

michael_smith | manager (1 fő) → Michael Smith | michael_s → jelszó: #Cc123456789@

financier_department (1 fő)

personnel_department (2 fő)

marketing_department (2 fő)

secretariat (1 fő)

programmers (2 fő) 2/1 → William Johnson | william_j → jelszó: #Cc123456789@

ftp_users (1 fő) → ftpuser → jelszó: #Dd123456789@

5. A Backup Domain Controller működésének ellenőrzése

Állítsuk le a **winserverpdc** szervert! Indítsuk újra a Windows klienst, majd jelentkezzünk be egy, az Active Directory-ban létrehozott felhasználóval. Az elsődleges tartományvezérőn nem elérhető, de a tartalék tartományvezérő (**winserverbdc**) átveszi a szerepét, és a felhasználók zavartalanul tudnak dolgozni a tartományi környezetben.

Ellenőrizzük az IP címzést és az internet elérhetőségét a tartalék tartományvezérőn bejelentkezett felhasználóval:

```
C:\Users\michael_s>ipconfig /all
Windows IP Configuration

Host Name . . . . . : winClient
Primary Dns Suffix . . . . . : xycompany.xy
Node Type . . . . . : Hybrid
IP Routing Enabled . . . . . : No
WINS Proxy Enabled . . . . . : No
DNS Suffix Search List. . . . . : xycompany.xy

Ethernet adapter Ethernet:
  Connection-specific DNS Suffix . : xycompany.xy
  Description . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
  Physical Address . . . . . : 08-00-27-4A-A4-F1
  DHCP Enabled. . . . . : Yes
  Autoconfiguration Enabled . . . . . : Yes
  Link-local IPv6 Address . . . . . : fe80::695b:4d02:2c07:12d8%13(PREFERRED)
    IPv4 Address . . . . . : 172.16.0.109(PREFERRED)
      Subnet Mask . . . . . : 255.255.0.0
      Lease Obtained. . . . . : Saturday, July 2, 2022 12:42:37 P
      Lease Expires . . . . . : Sunday, July 10, 2022 12:42:37 P
      Default Gateway . . . . . : 172.16.0.1
      DHCP Server . . . . . : 172.16.0.253
      DHCPv6 IAID . . . . . : 101187623
      DHCPv6 Client DUID . . . . . : 00-01-00-01-2A-50-84-A2
      DNS Servers . . . . . : 172.16.0.254
      DNS Servers . . . . . : 172.16.0.253
      NetBIOS over Tcpip. . . . . : Enabled

C:\Users\michael_s>

C:\Users\michael_s>ping 8.8.8.8
Pinging 8.8.8.8 with 32 bytes of data:
Reply from 8.8.8.8: bytes=32 time=9ms TTL=58
Reply from 8.8.8.8: bytes=32 time=1ms TTL=58
Reply from 8.8.8.8: bytes=32 time=9ms TTL=58
Reply from 8.8.8.8: bytes=32 time=9ms TTL=58

Ping statistics for 8.8.8.8:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 8ms, Maximum = 11ms, Average = 9ms

C:\Users\michael_s>ping cisco.com
Pinging cisco.com with 32 bytes of data:
Reply from 72.163.185.185: bytes=32 time=18ms TTL=234

Ping statistics for 72.163.185.185:
  Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
  Approximate round trip times in milli-seconds:
    Minimum = 165ms, Maximum = 199ms, Average = 167ms

C:\Users\michael_s>
```

A tesztelést követően indítsuk el újra a **winserverpdc** szervert és indítsuk újra a Windows klienst is!

6. Windows Server | GUI | Webserver | Fileserver | Print Server

Telepítsük a konfigurációt a Windows szervert a korábban tanult módon!

Helyezzünk be a virtuális gépen egy 10GB méretű plusz lemezt, melynek a neve „shares”!

A Windows szerver telepítéselőtt két lemezt (50GB és 10GB) partcionáljuk és a legnagyobb méretű lemezre telepítük a rendszert!

User name: Administrator

Password: #Aa123456789@

6.1 A szerver kezdeti konfigurálása

Konfiguráljuk a szerver fix IP címzését:

IP address: 172.16.0.252

Subnet mask: 255.255.0.0

Default gateway: 172.16.0.1

Preferred DNS server: 172.16.0.254

Alternate DNS server: 172.16.0.253

Telepítsük a „Guest Additions” kiegészítőt!

A virtuális gép újraindulása után jelentkezzünk vissza az **administrator** felhasználóval!

Állitsuk be a gép leírását és a nevét:

Computer description: winserverweb

Computer name: winserverweb

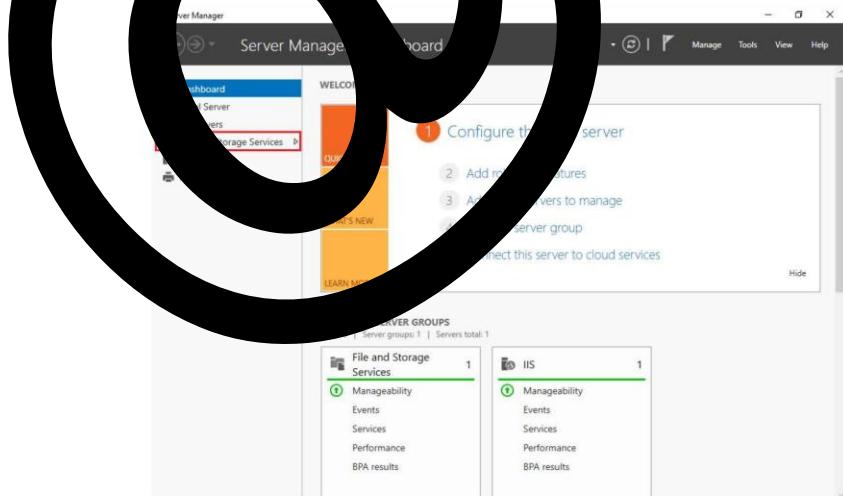
Kapcsoljuk be a távoli asztal kapcsolatot!

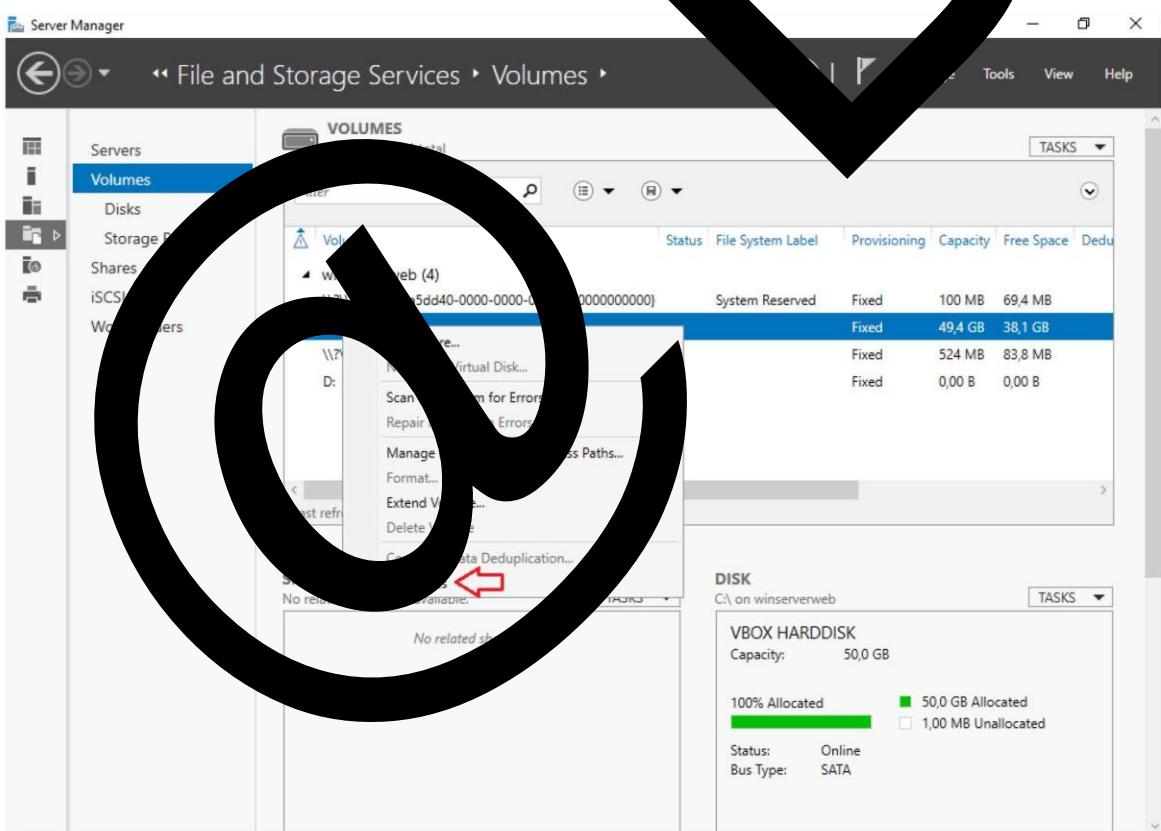
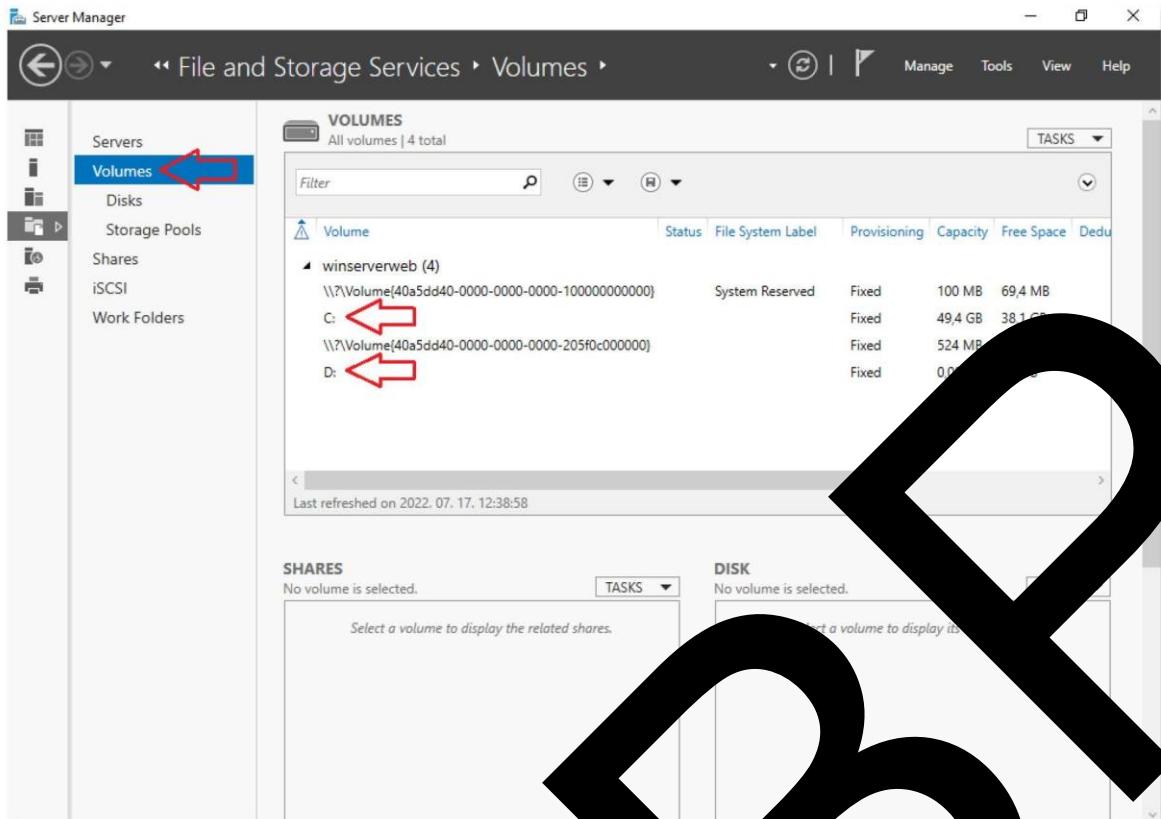
Léptessük a webszervert az **xycompany** tartományba!

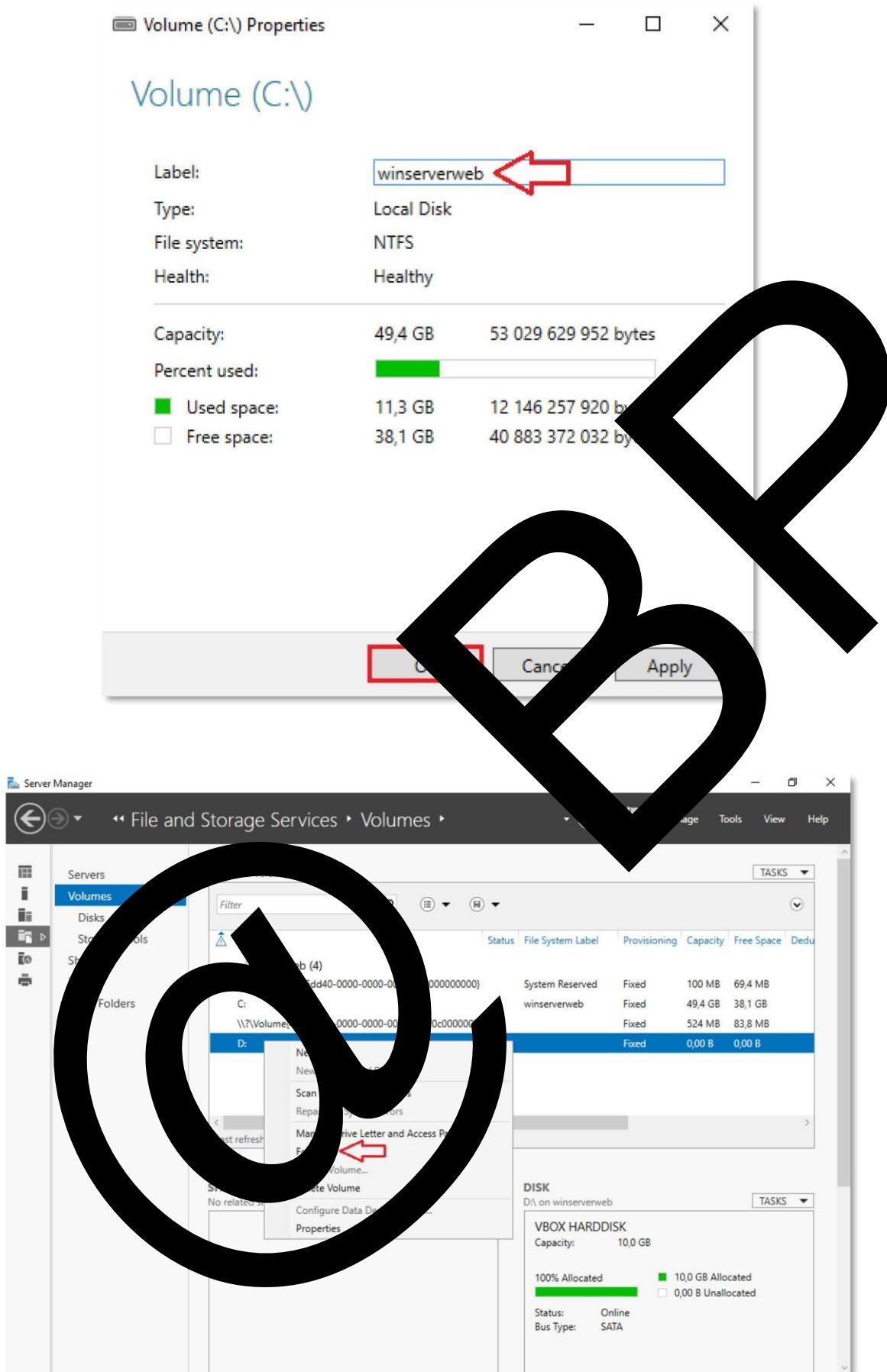
A gép újraindulása után kapcsolódjunk távoli asztal kapcsolaton keresztül a gazdagépről a szerverhez! Indítsuk el a PowerShell-t **adminisztrátorként**, konfiguráljuk a már tanult módon a megfelelő időzónát!

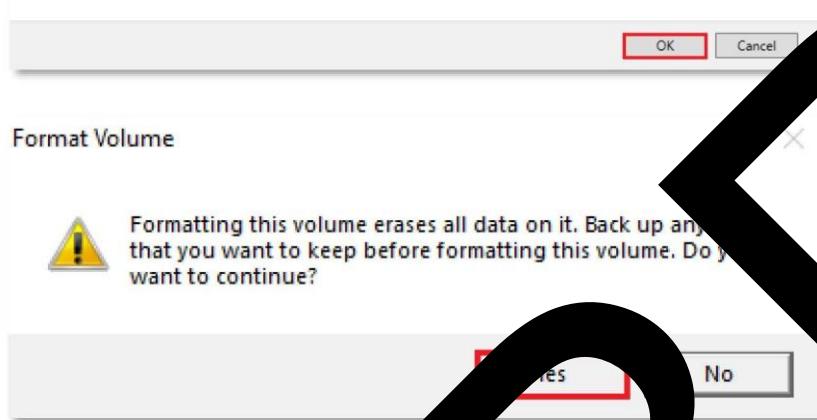
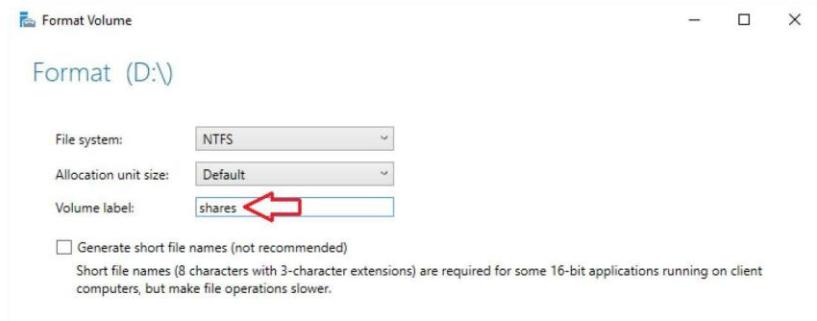
Lépjünk ki a távoli asztal kapcsolatból, és jelentkezzünk vissza a **winserverweb** szerverre tartományi **adminisztrátor** néven!

6.2 File and Storage Services telepítéséhez köthető könyvtárak





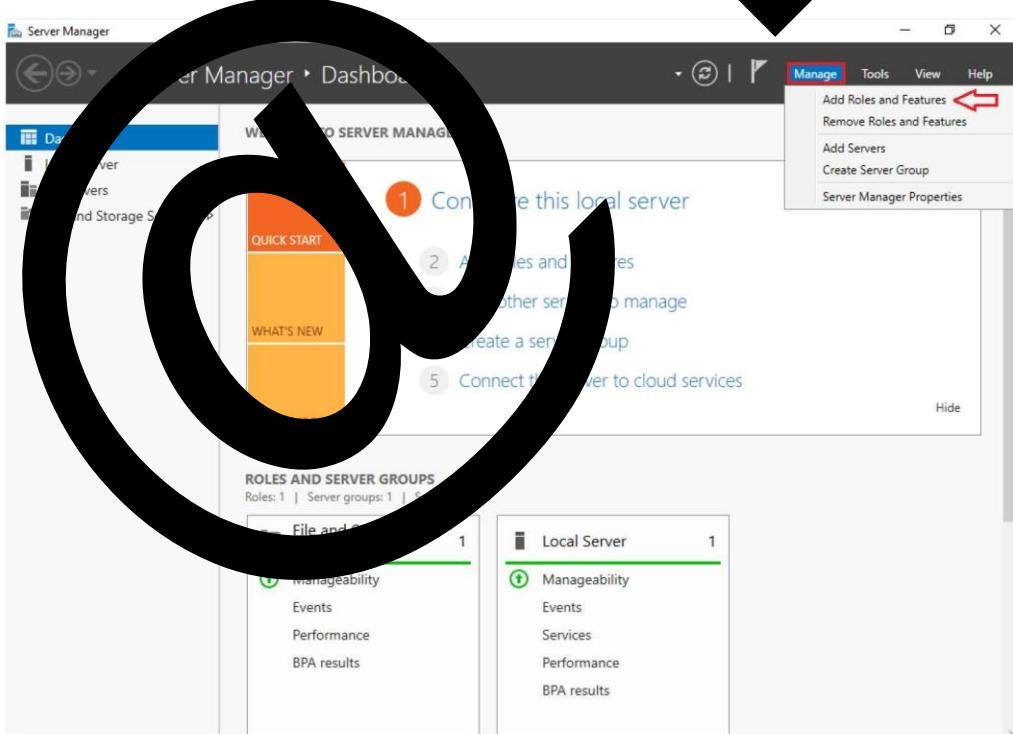


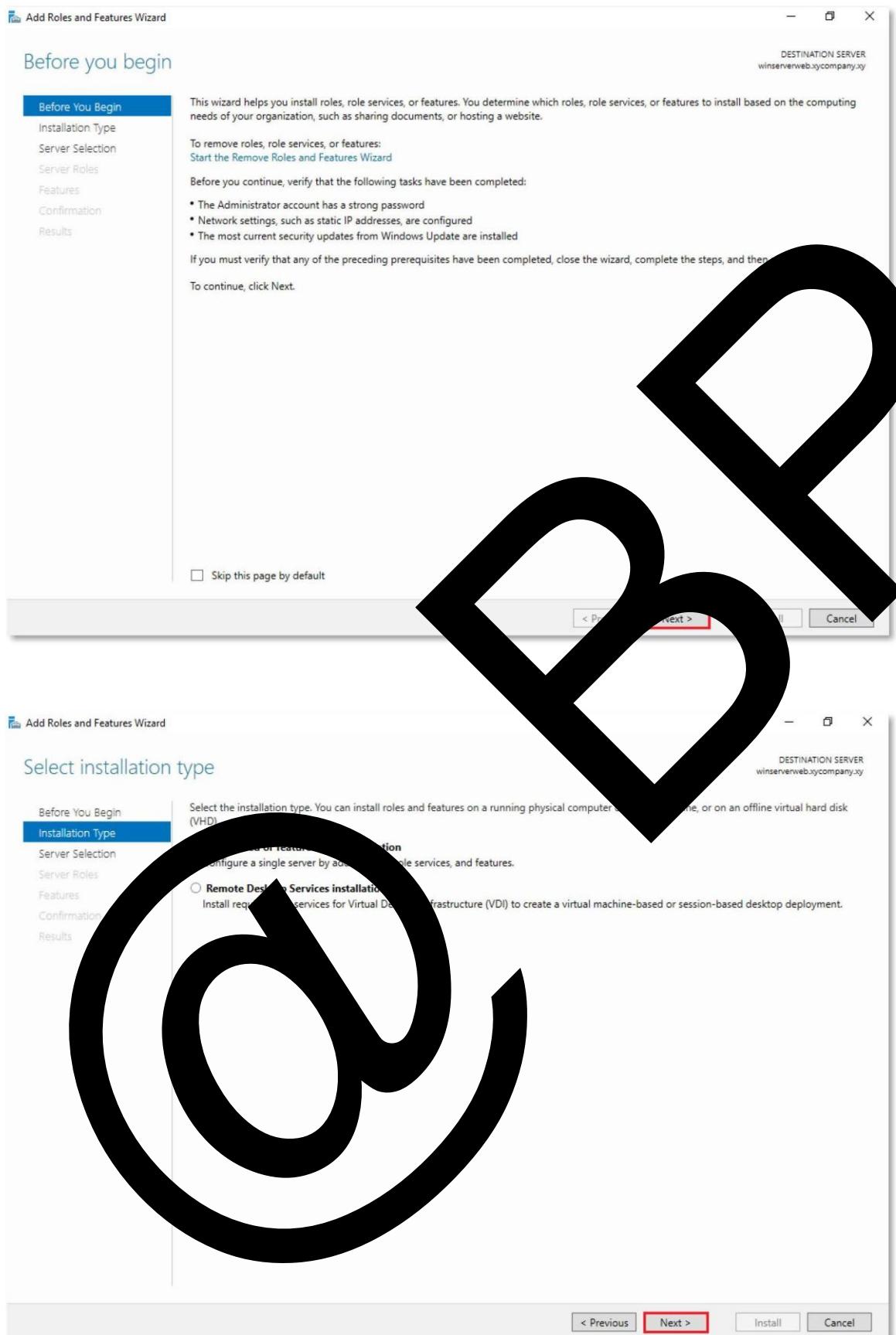


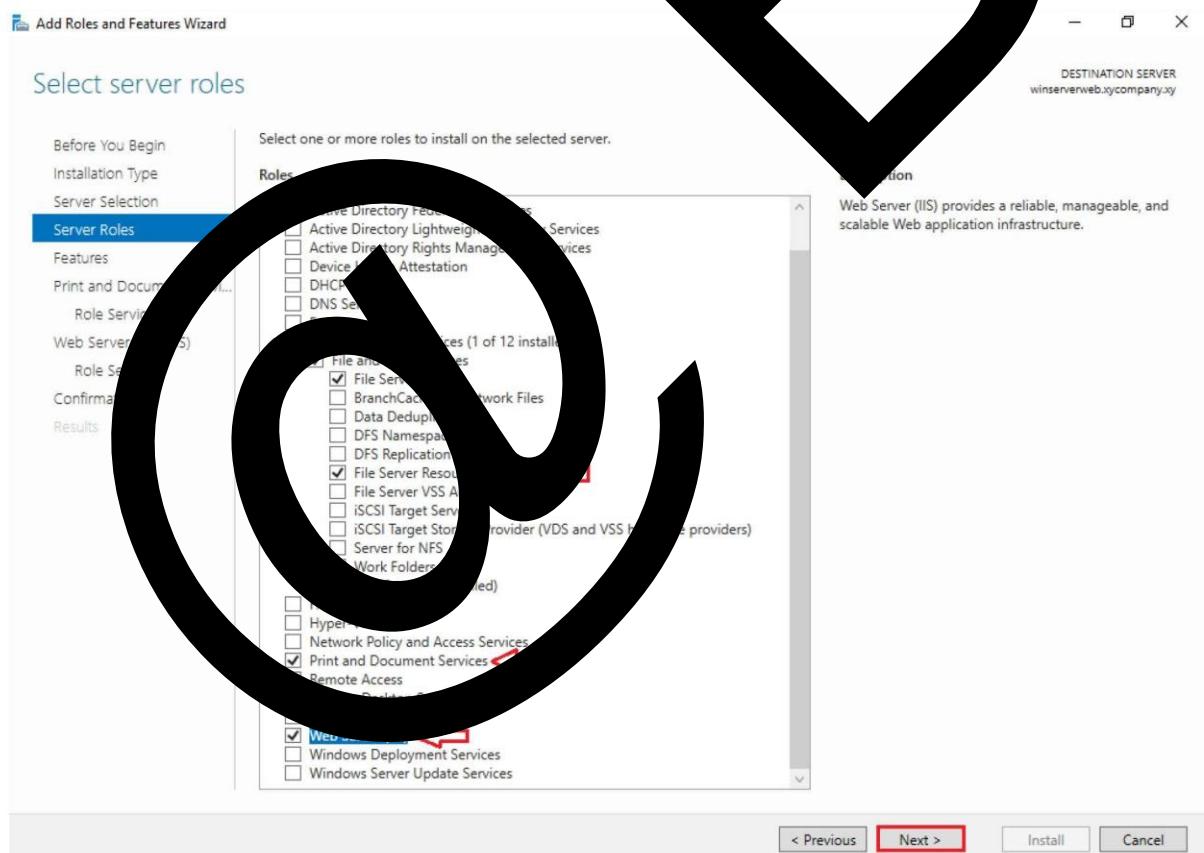
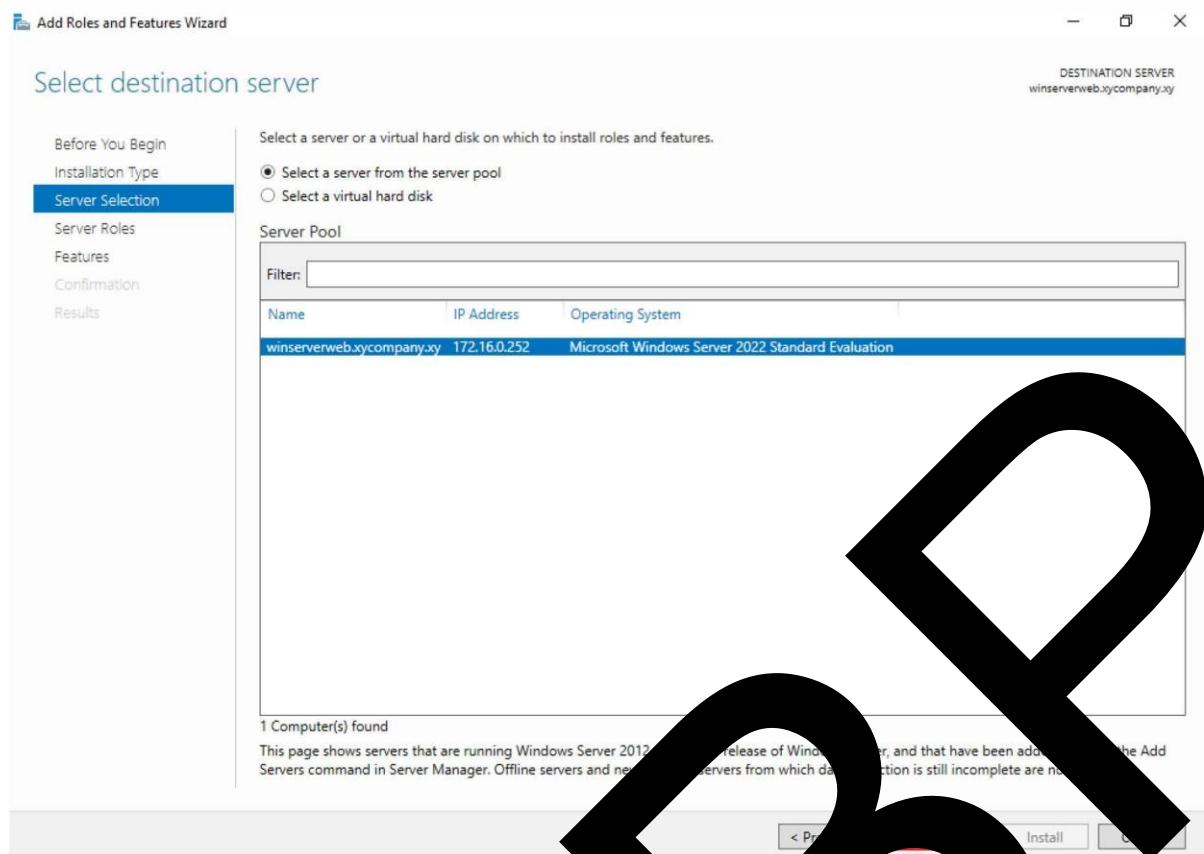
6.3 Web | FTP | Print szerver szolgáltatások telepítése

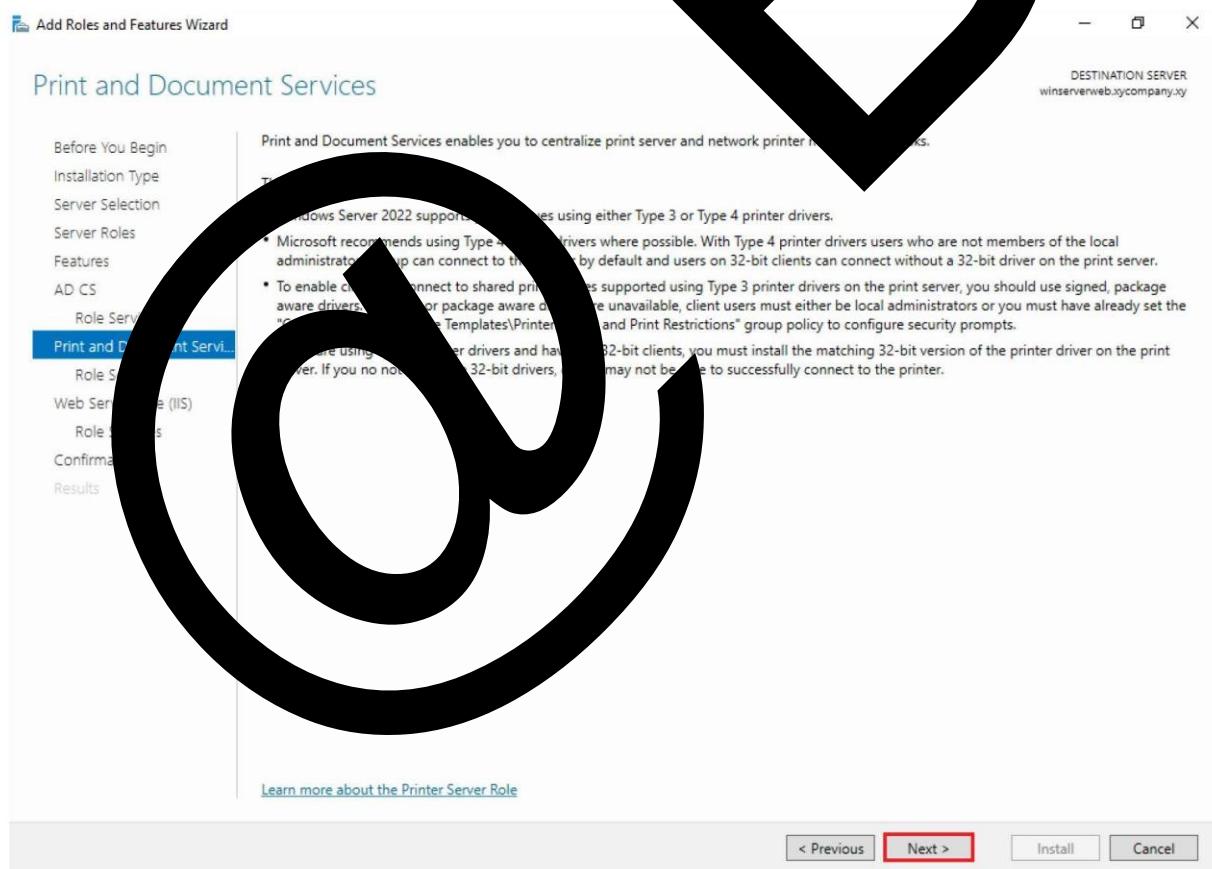
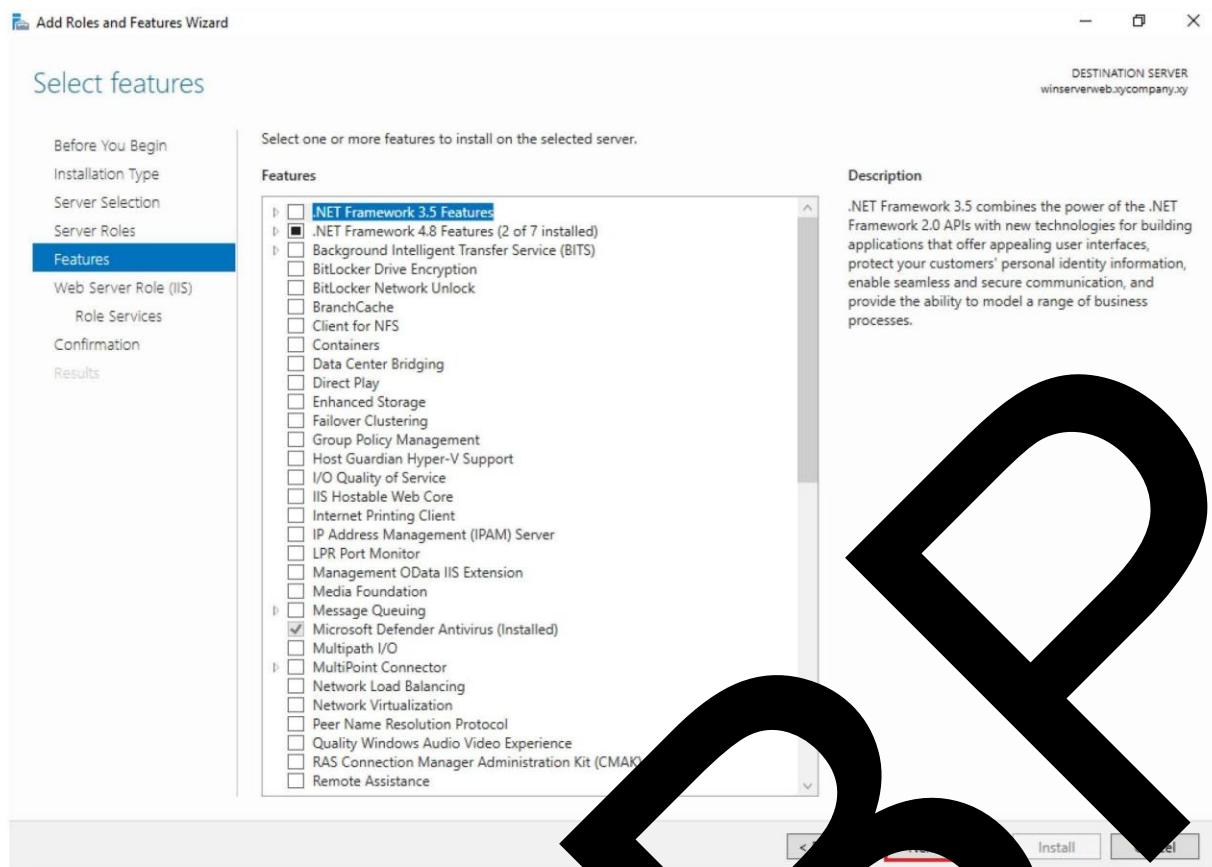
Jelentkezzünk be a **winserverweb** szerverre tartományban minisztrátorként!

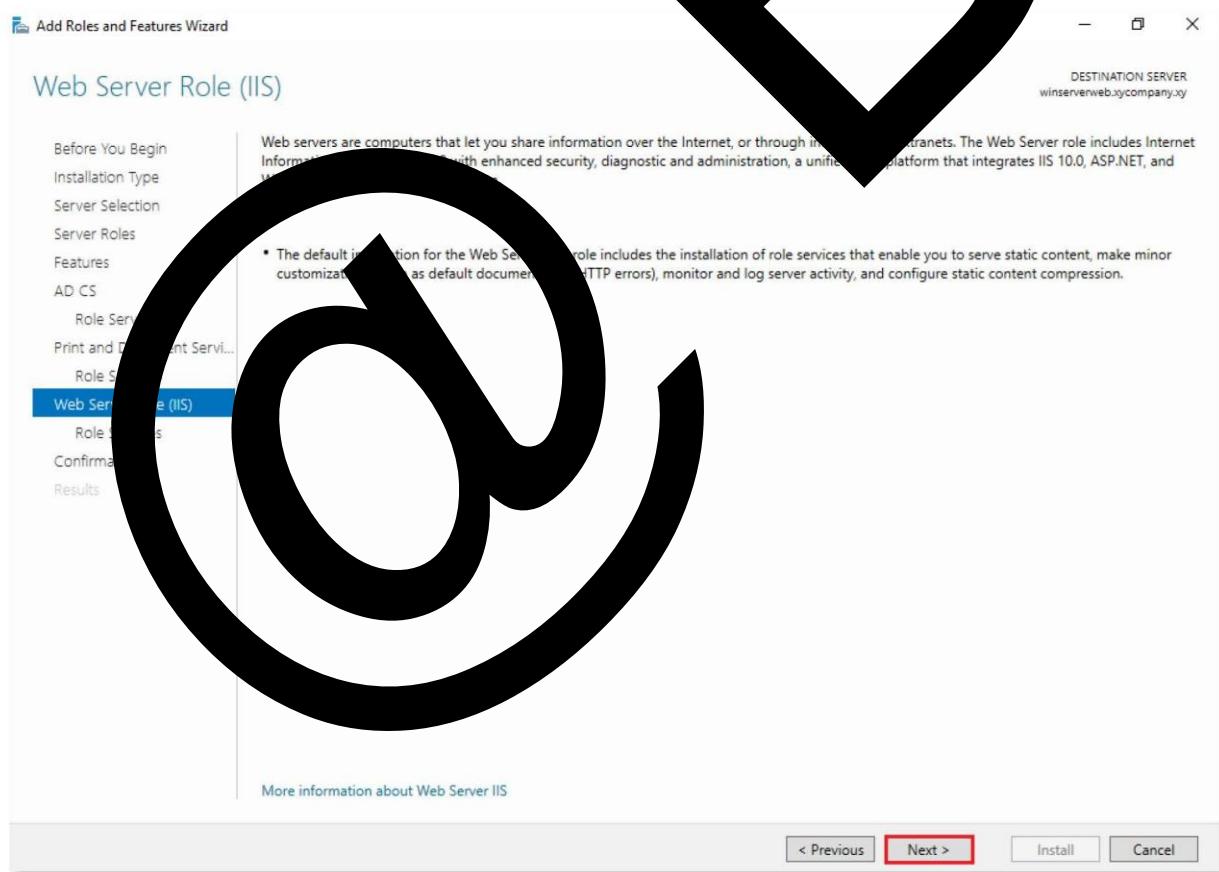
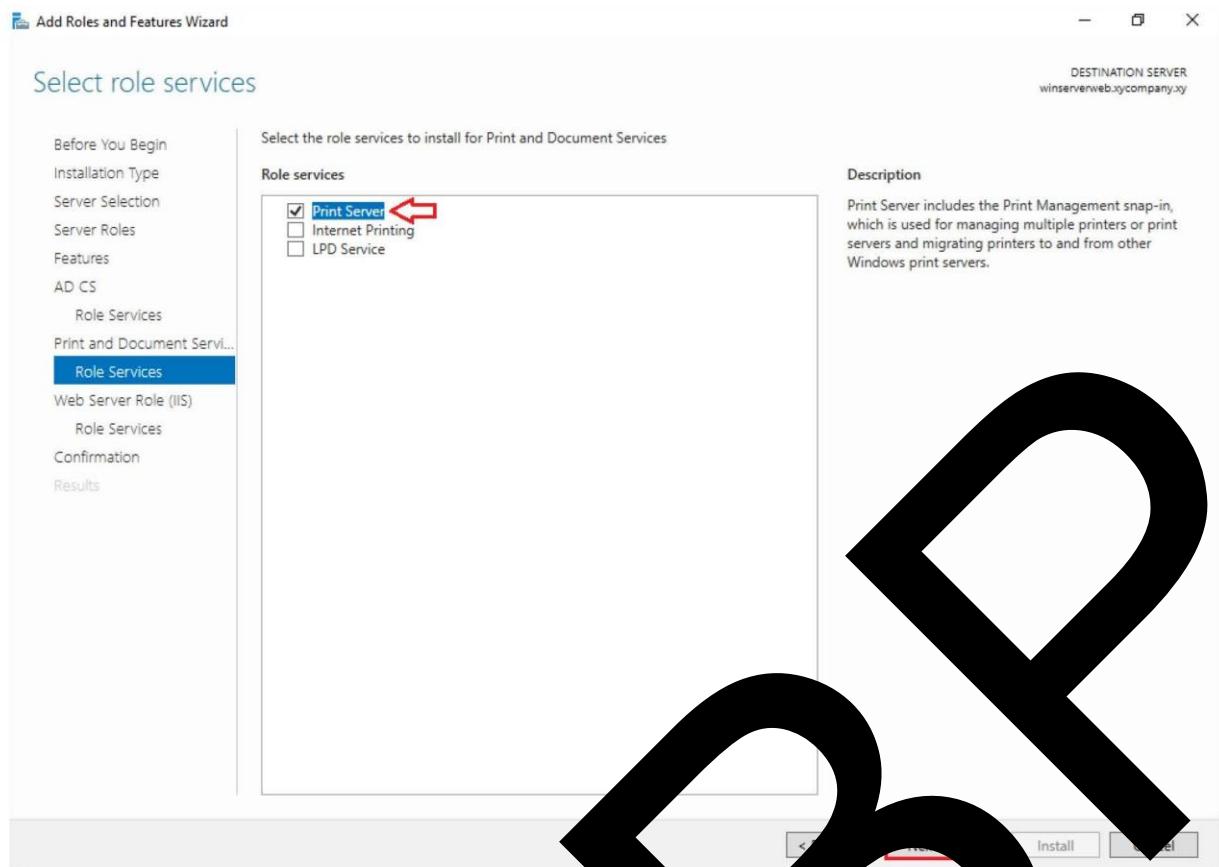
A Server Manager-ben telepítük az alábbi szolgáltatásokat:

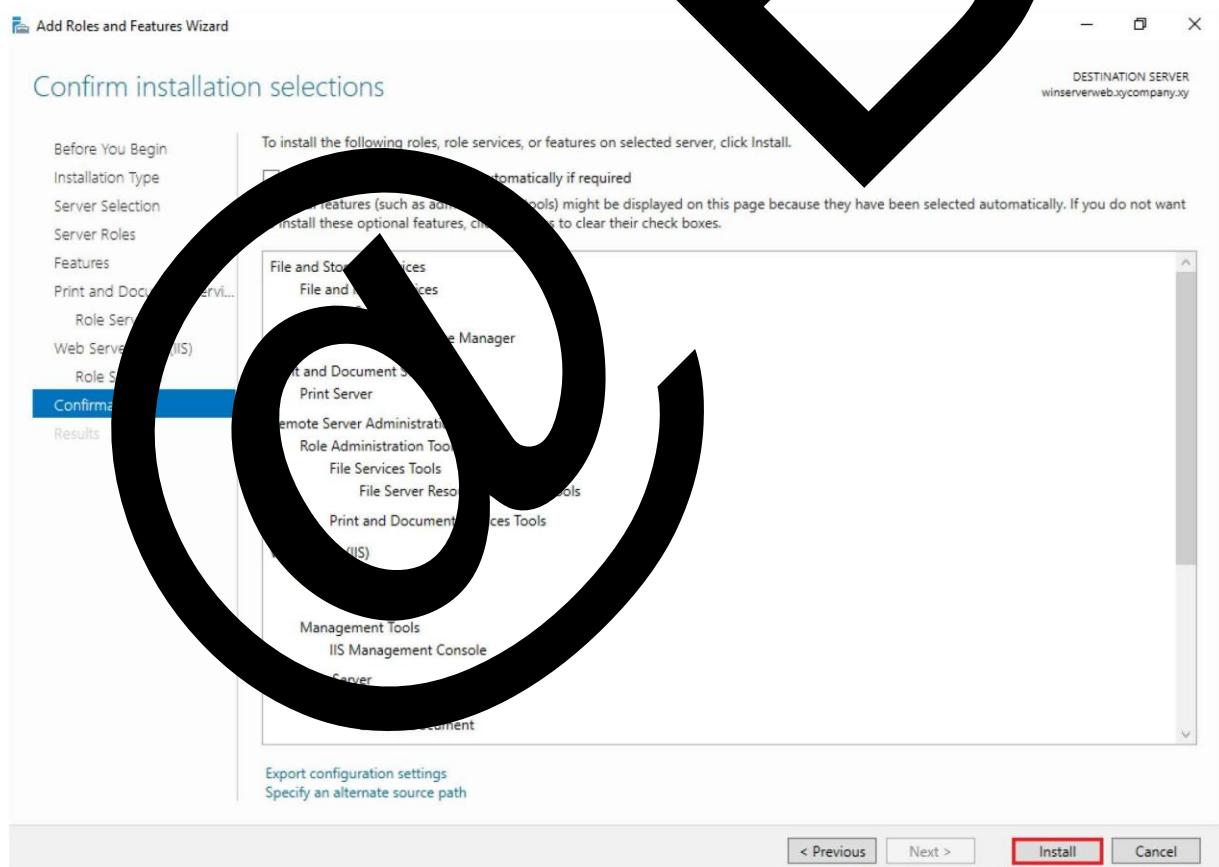
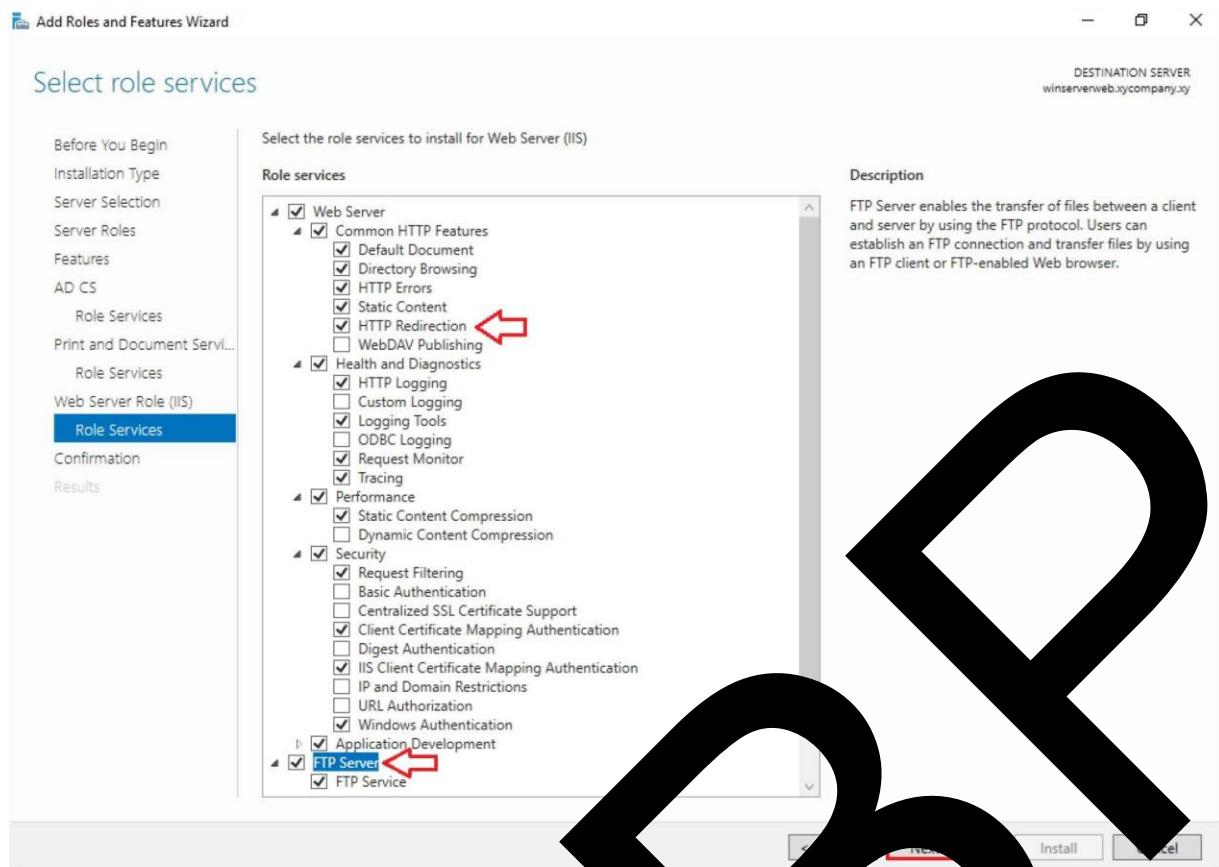


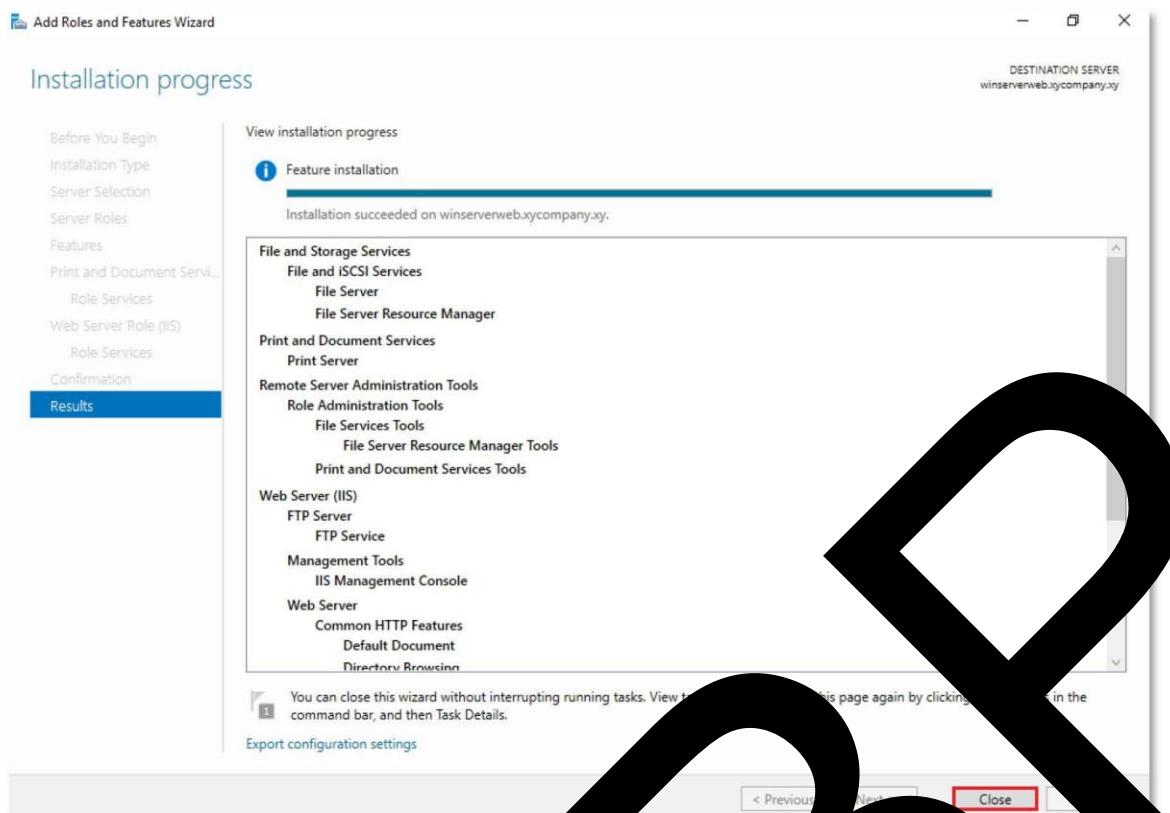




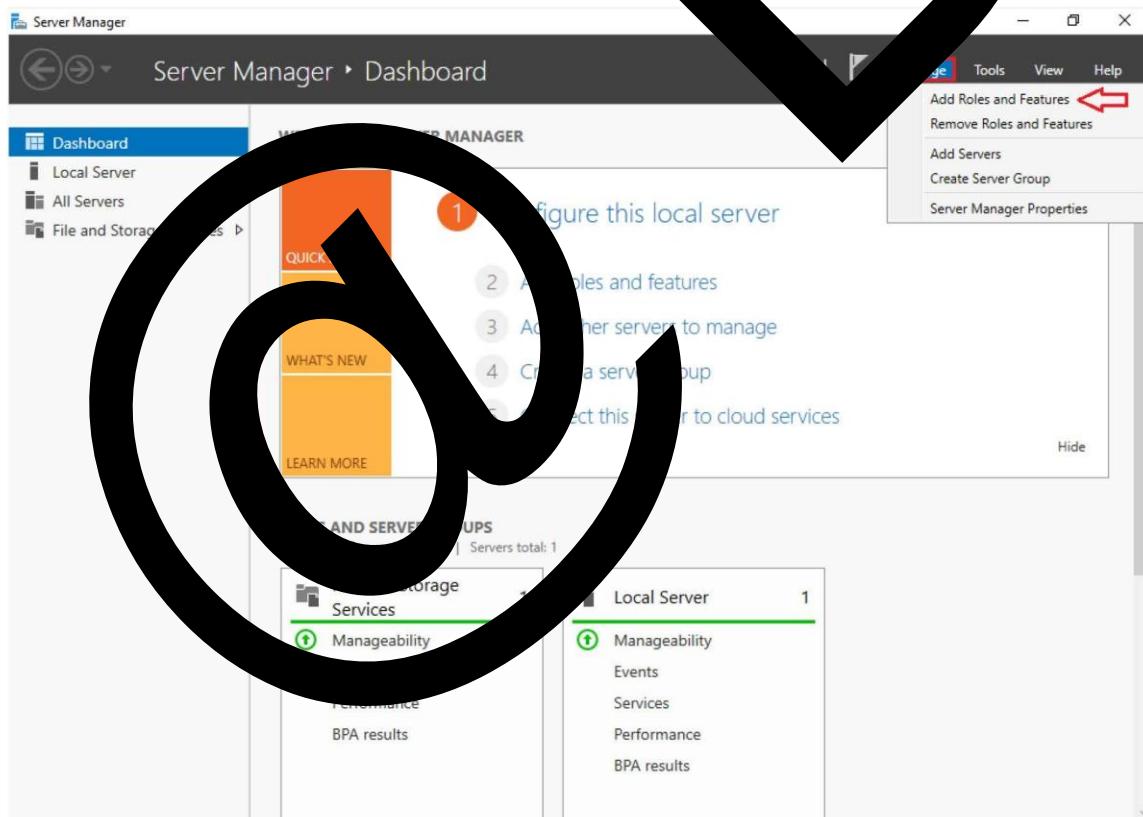


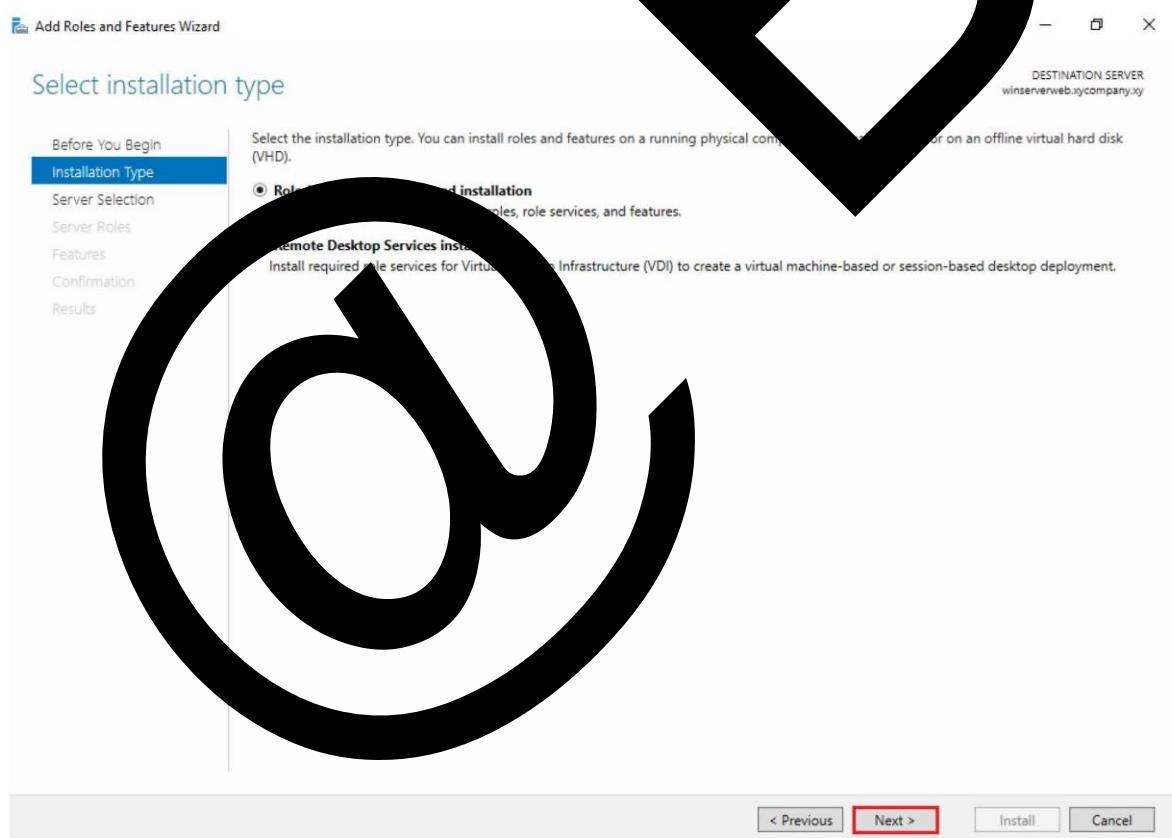
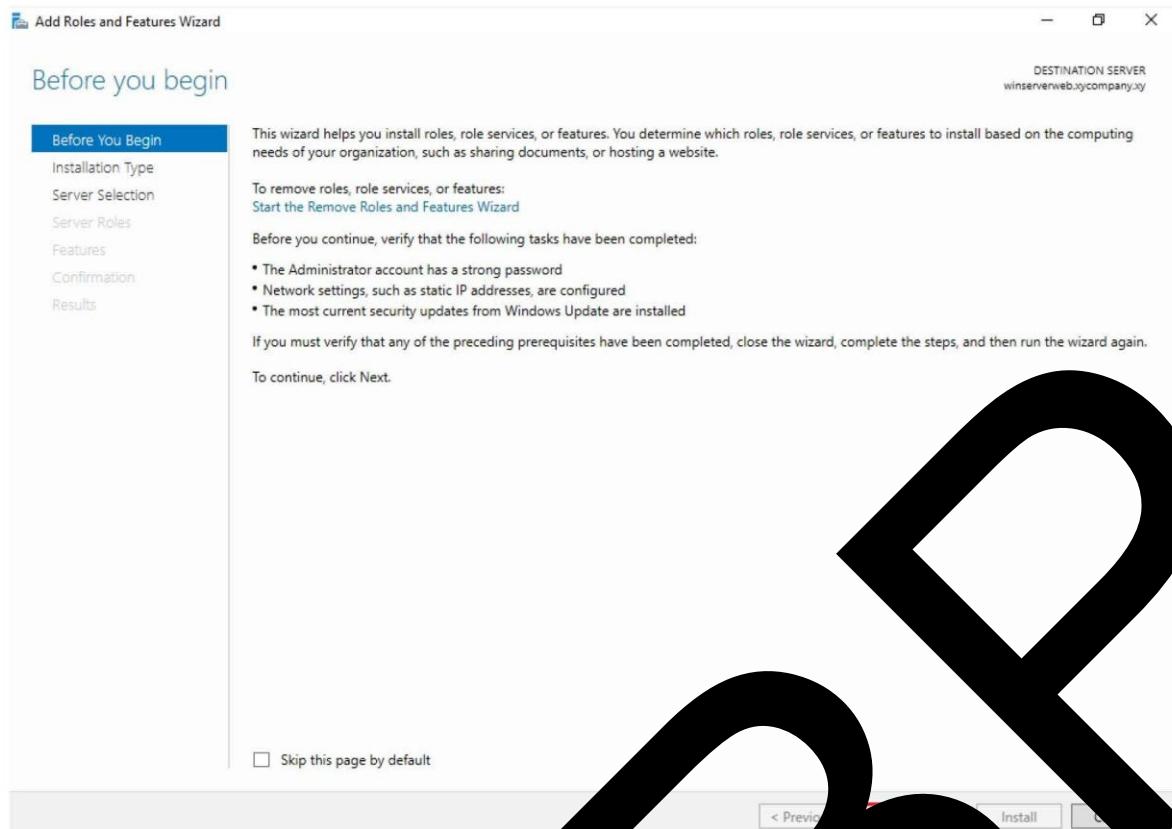


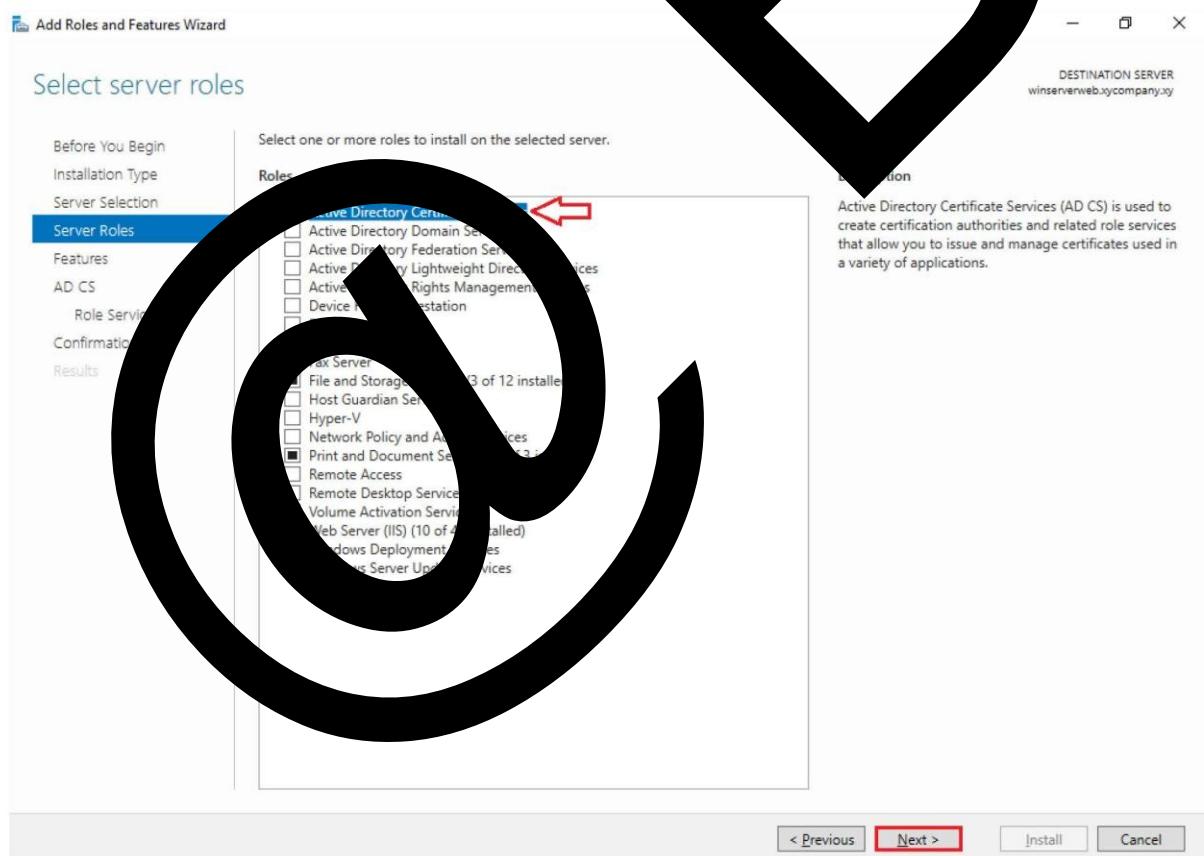
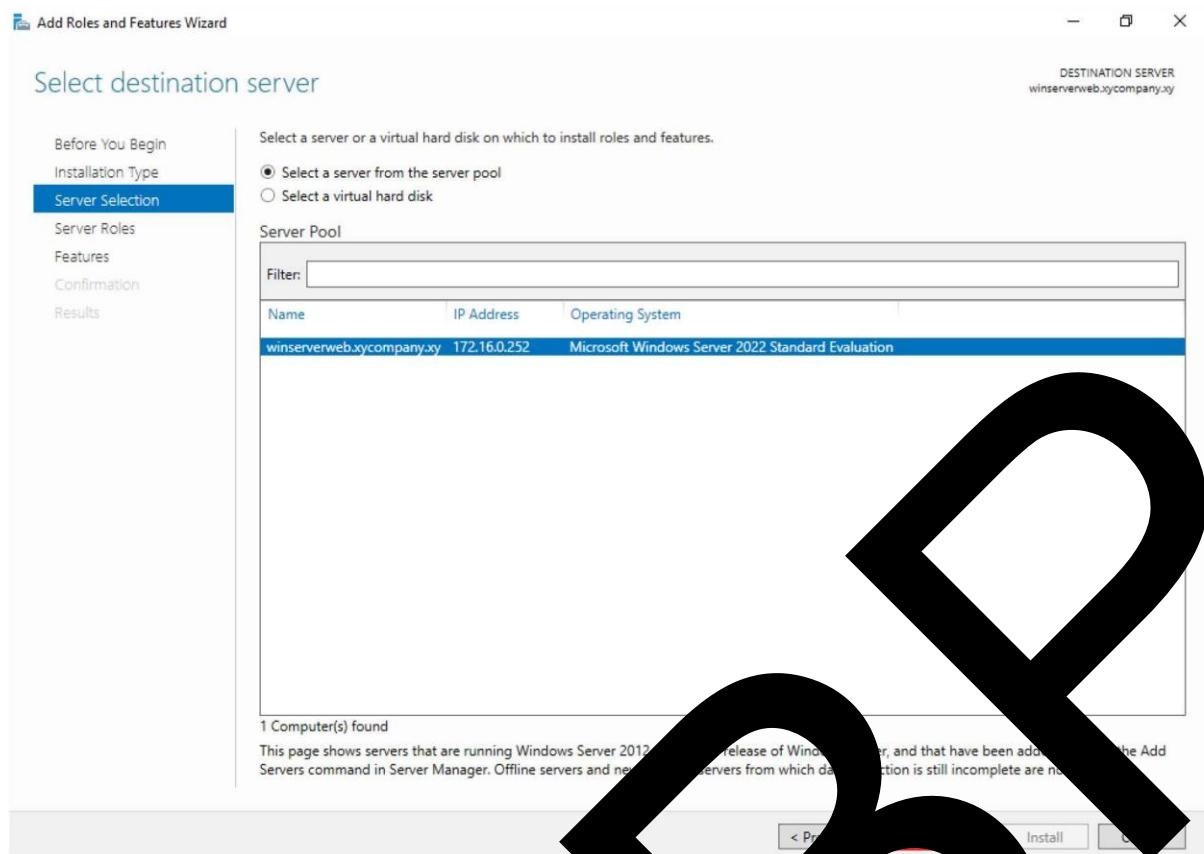


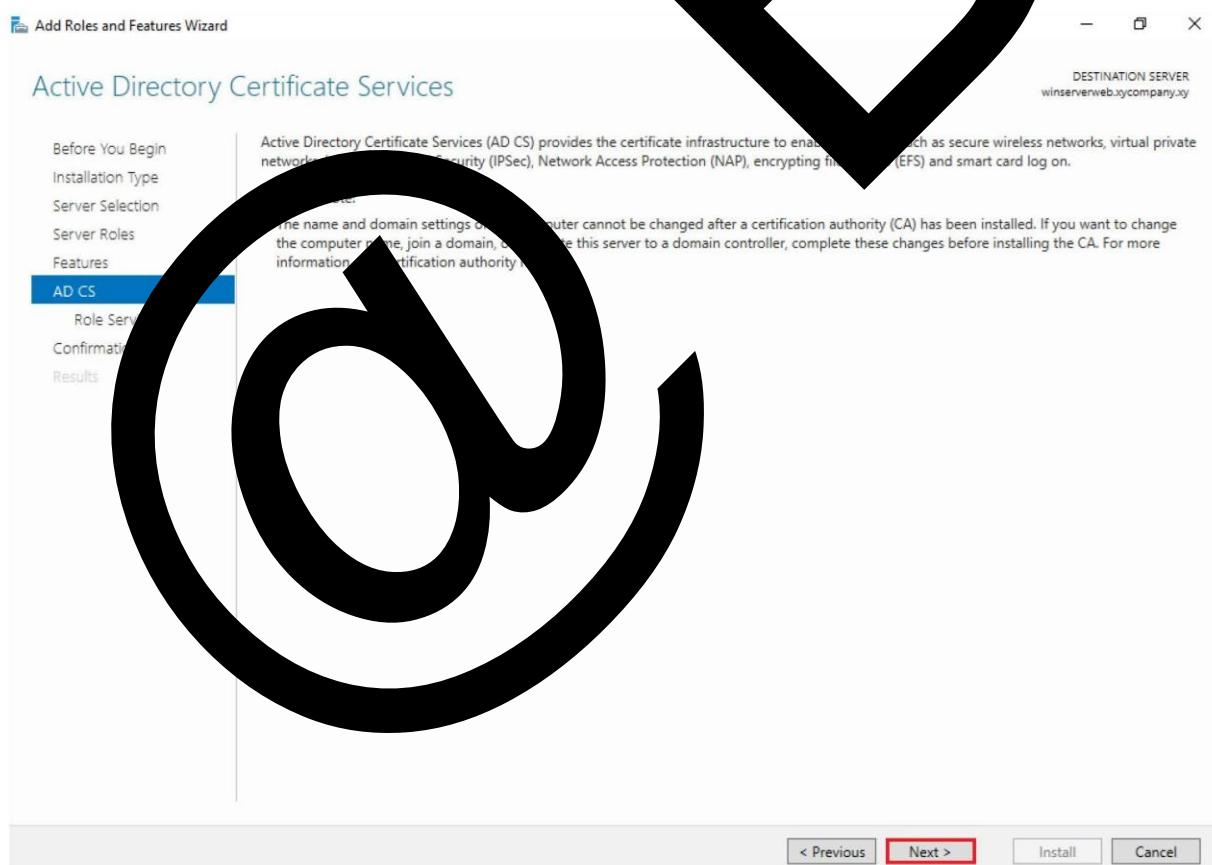
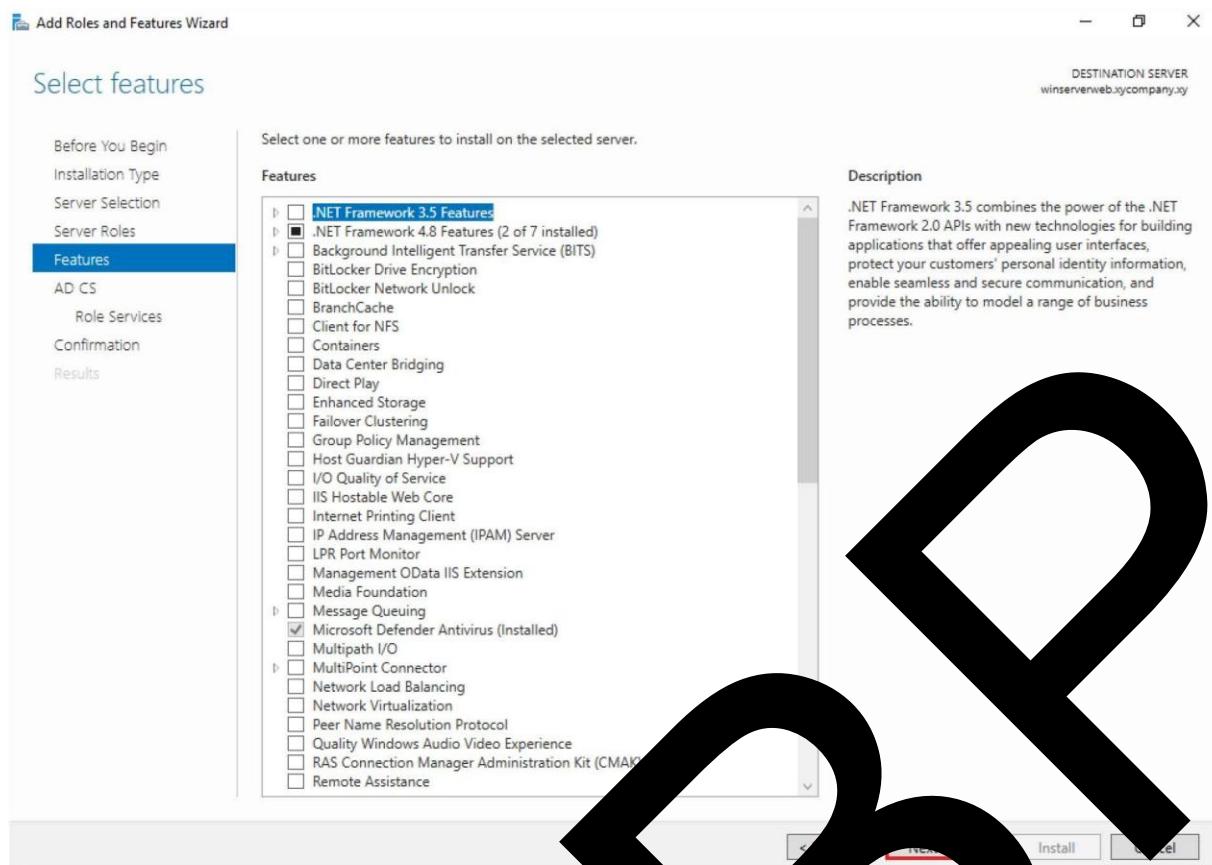


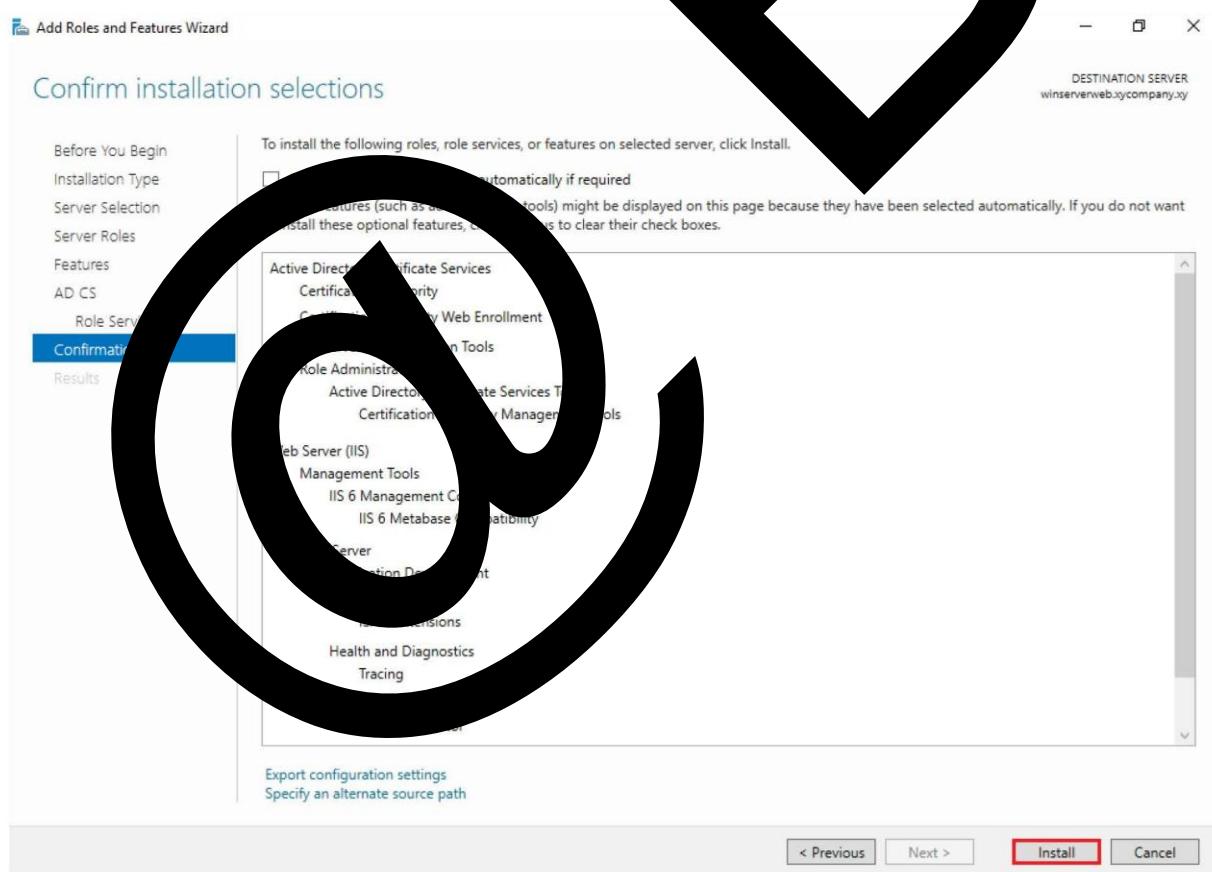
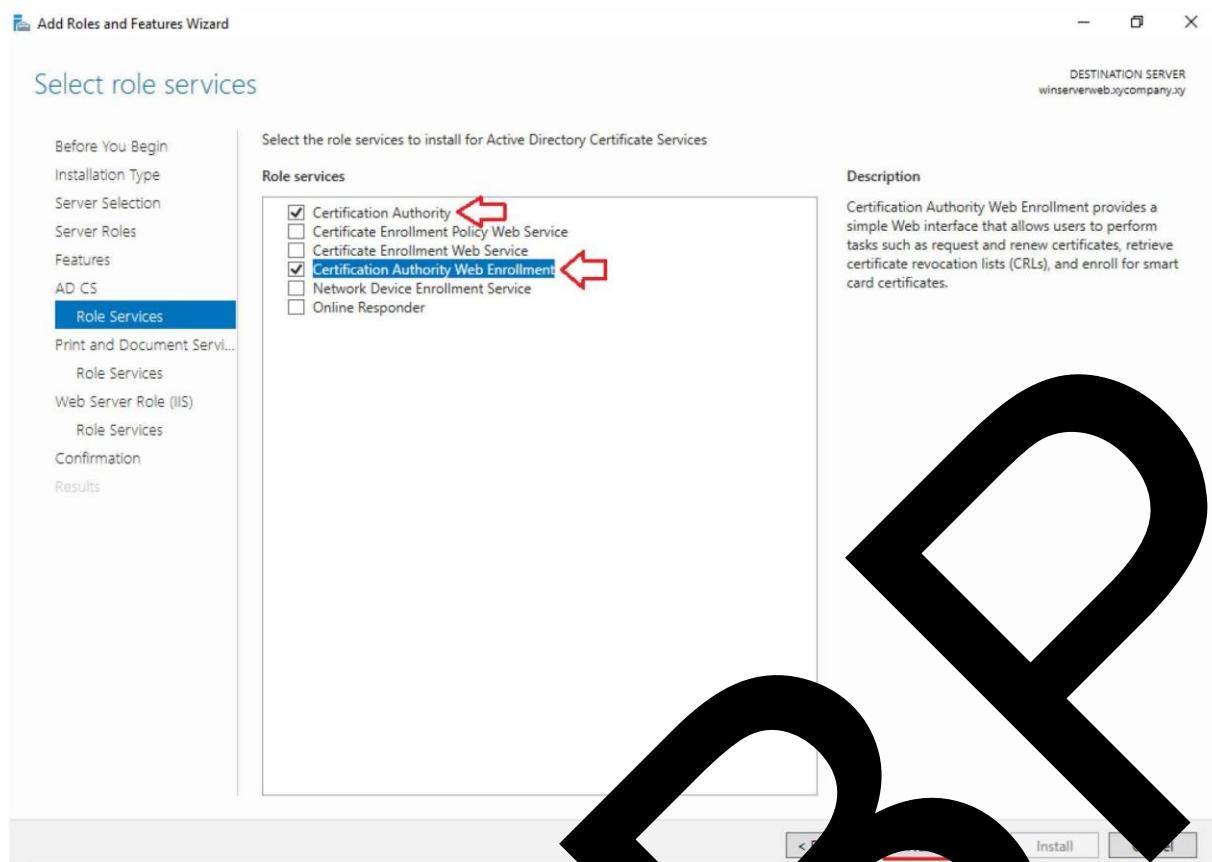
6.4 Active Directory Certificate Services (Root Certificate kezelése és konfigurálása)

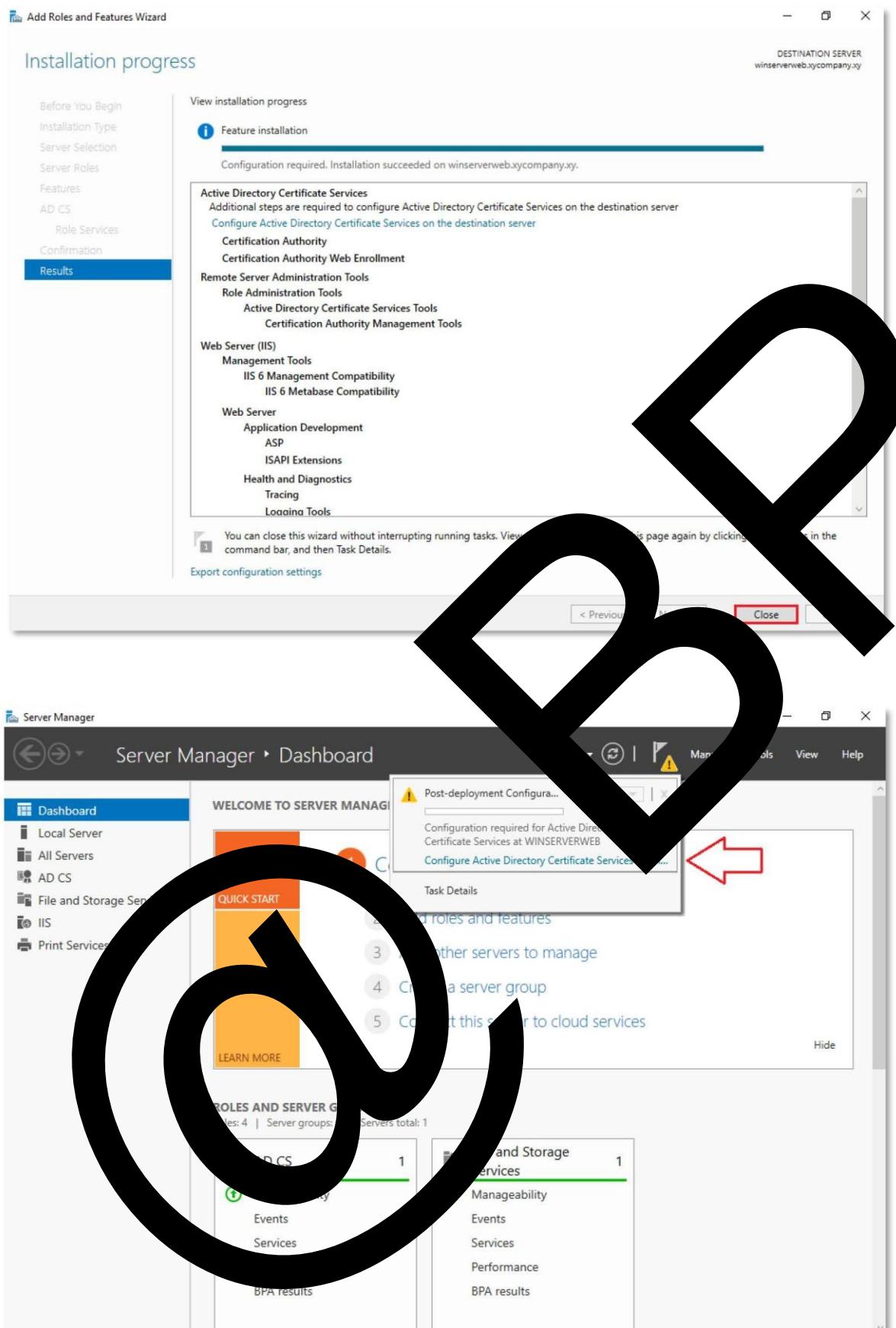


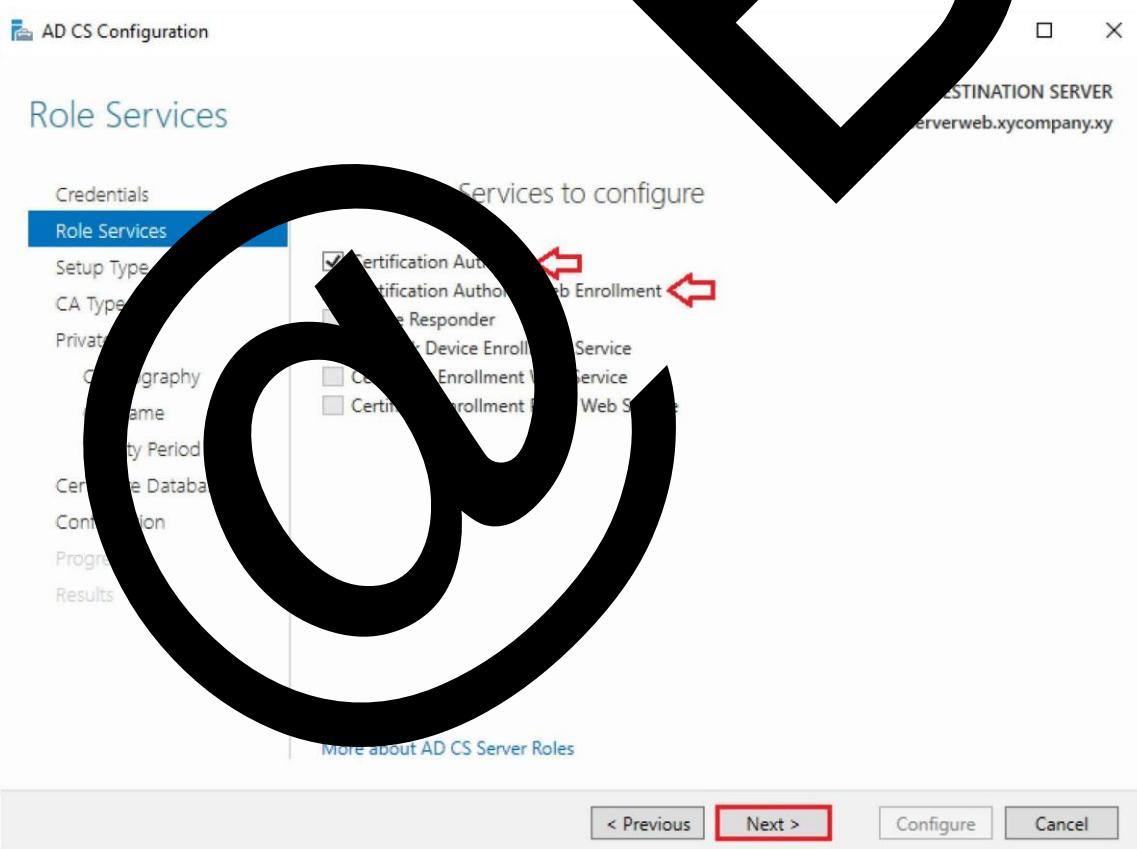
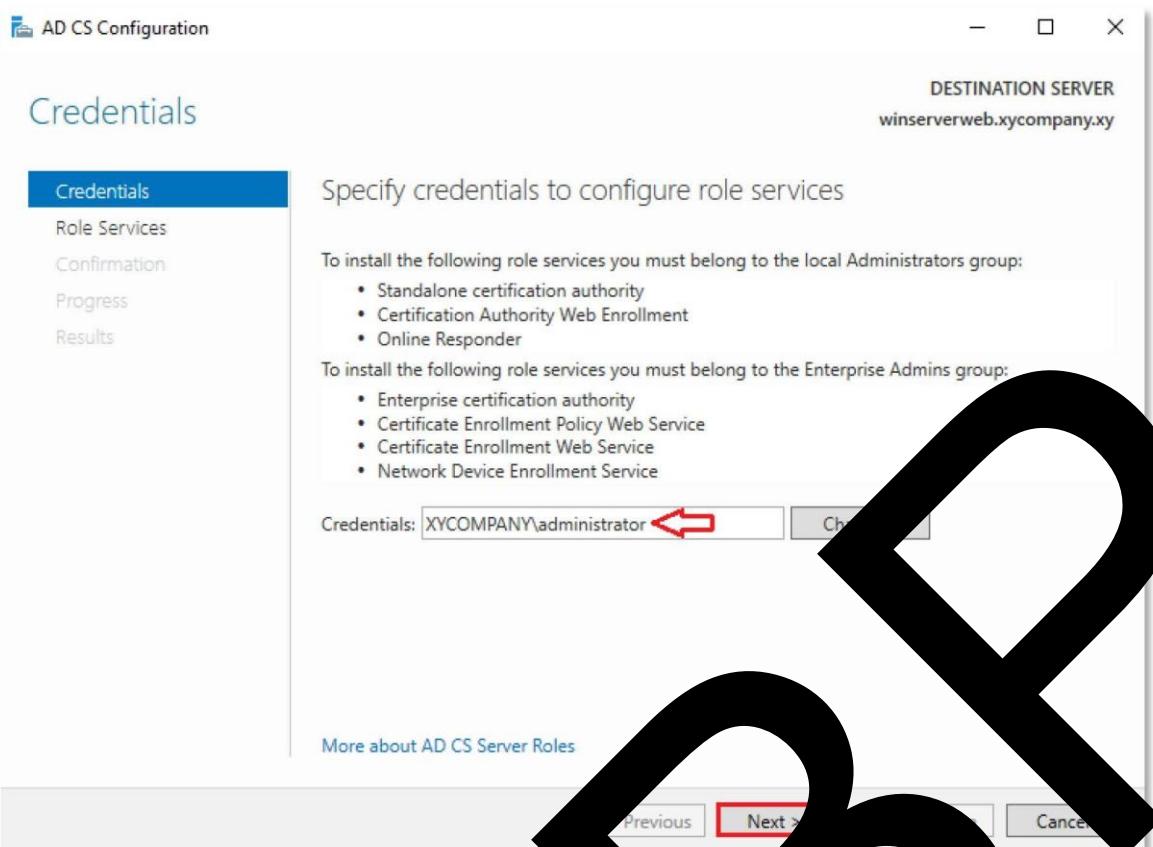


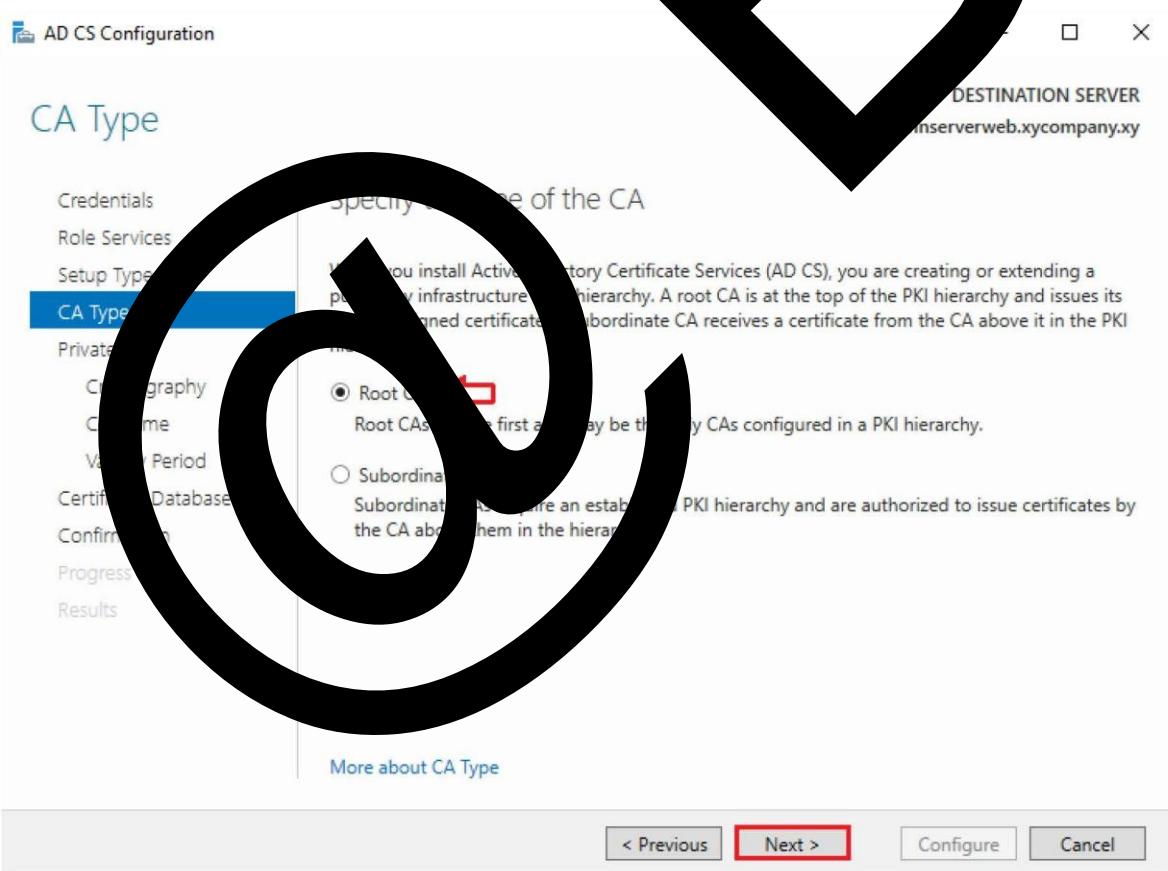
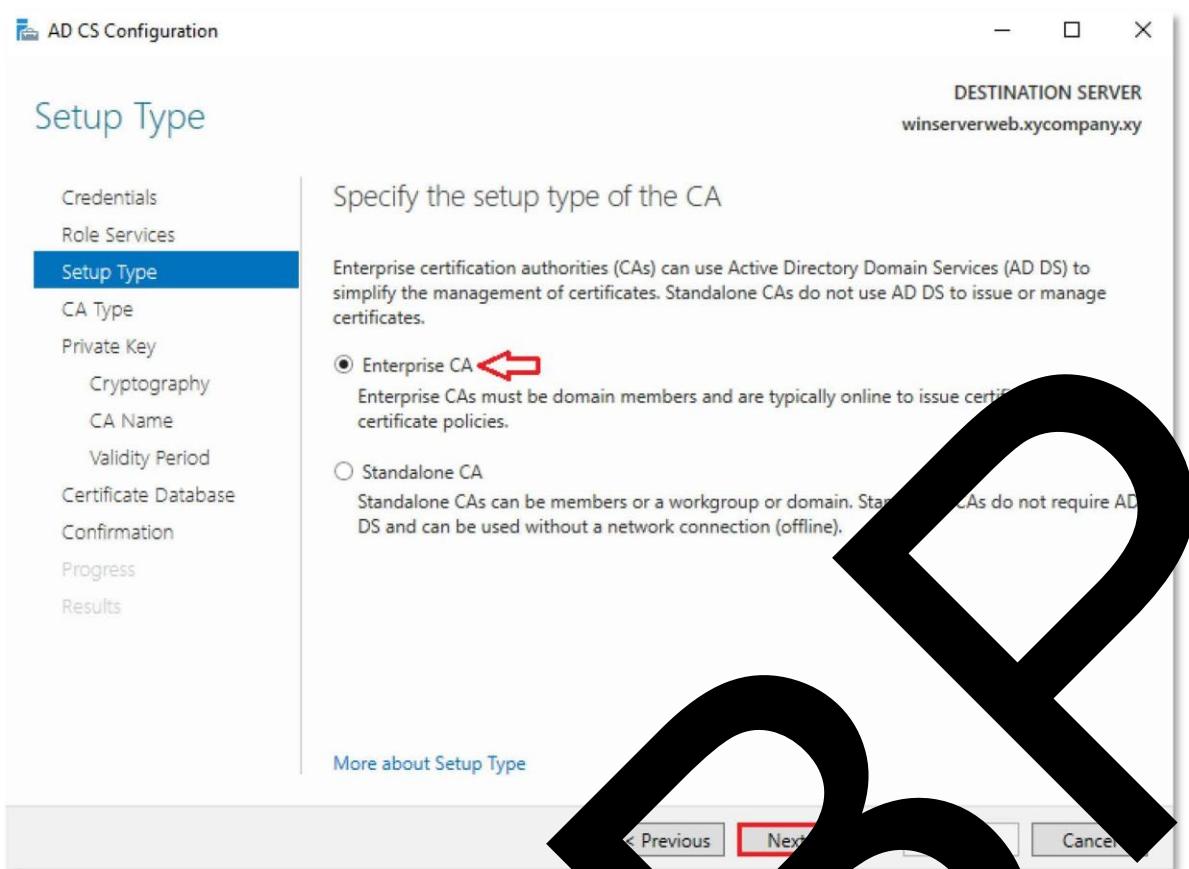


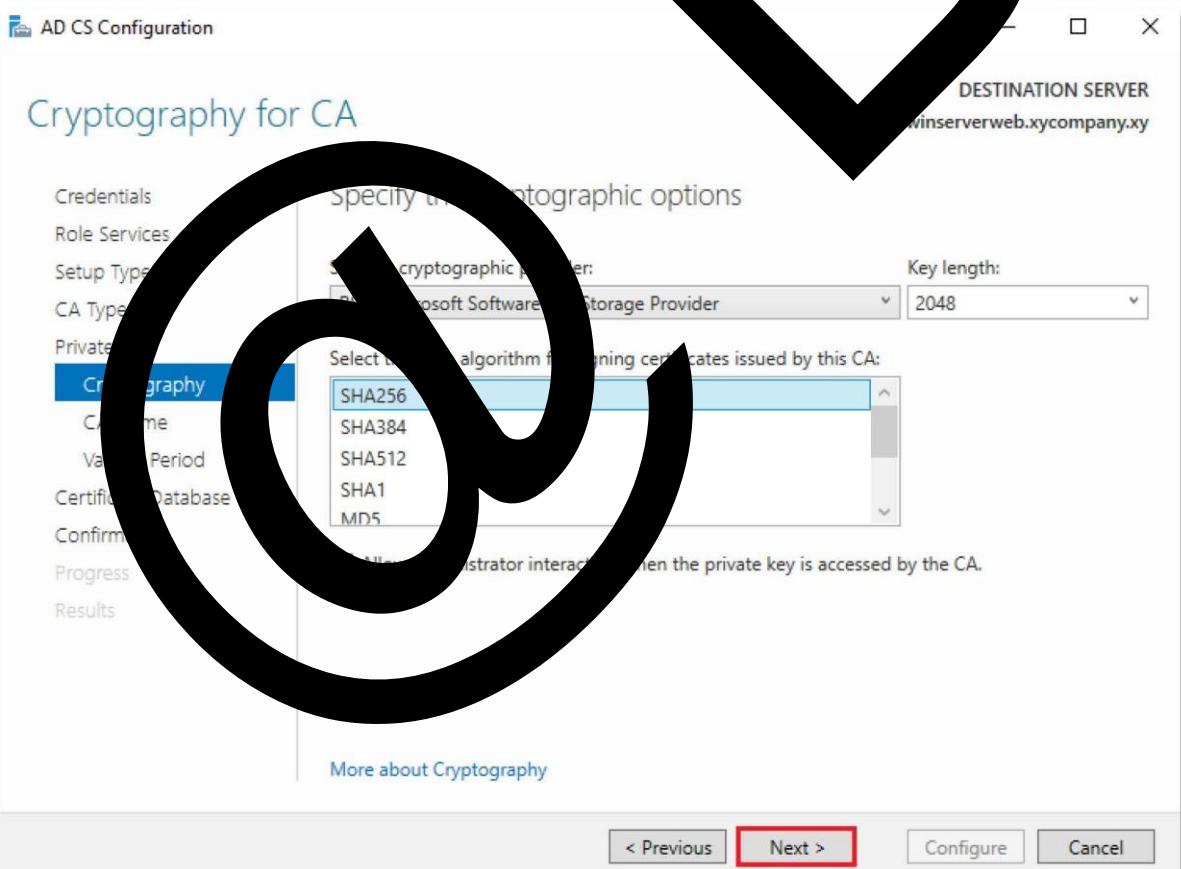
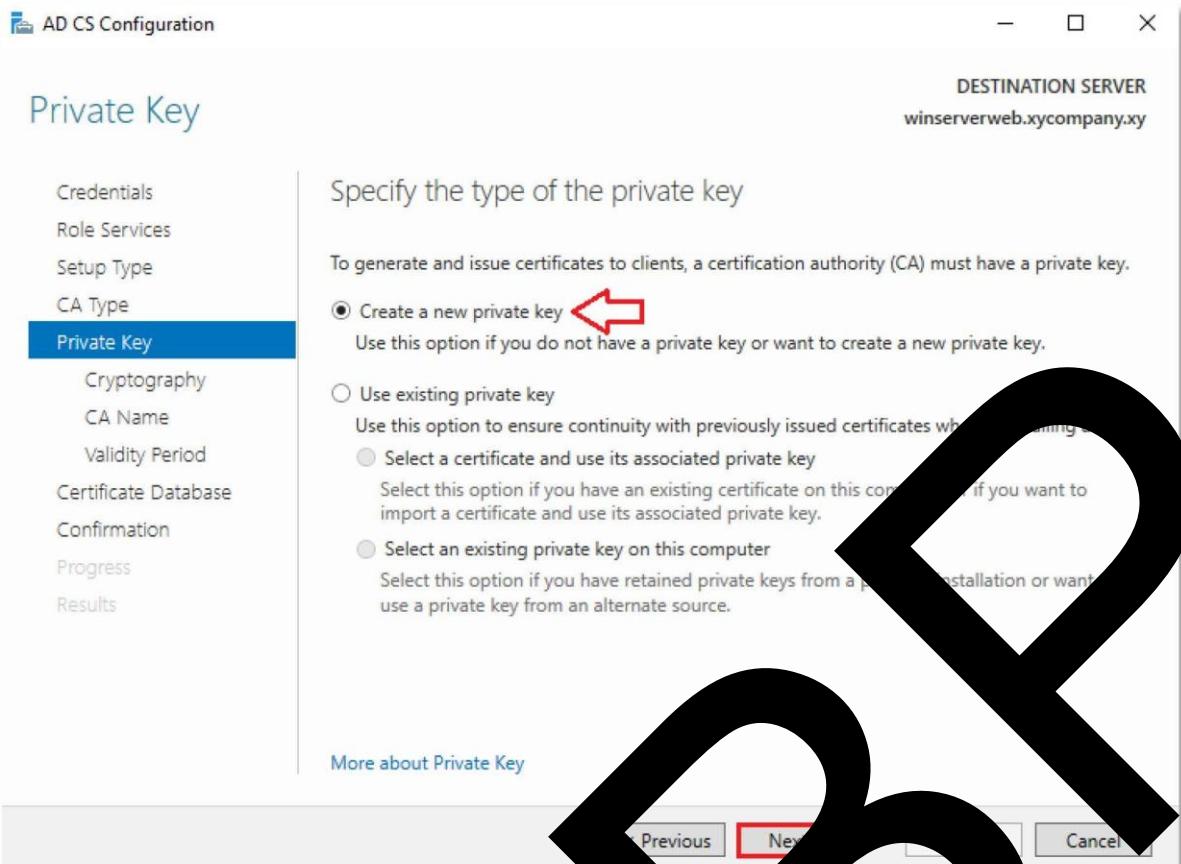


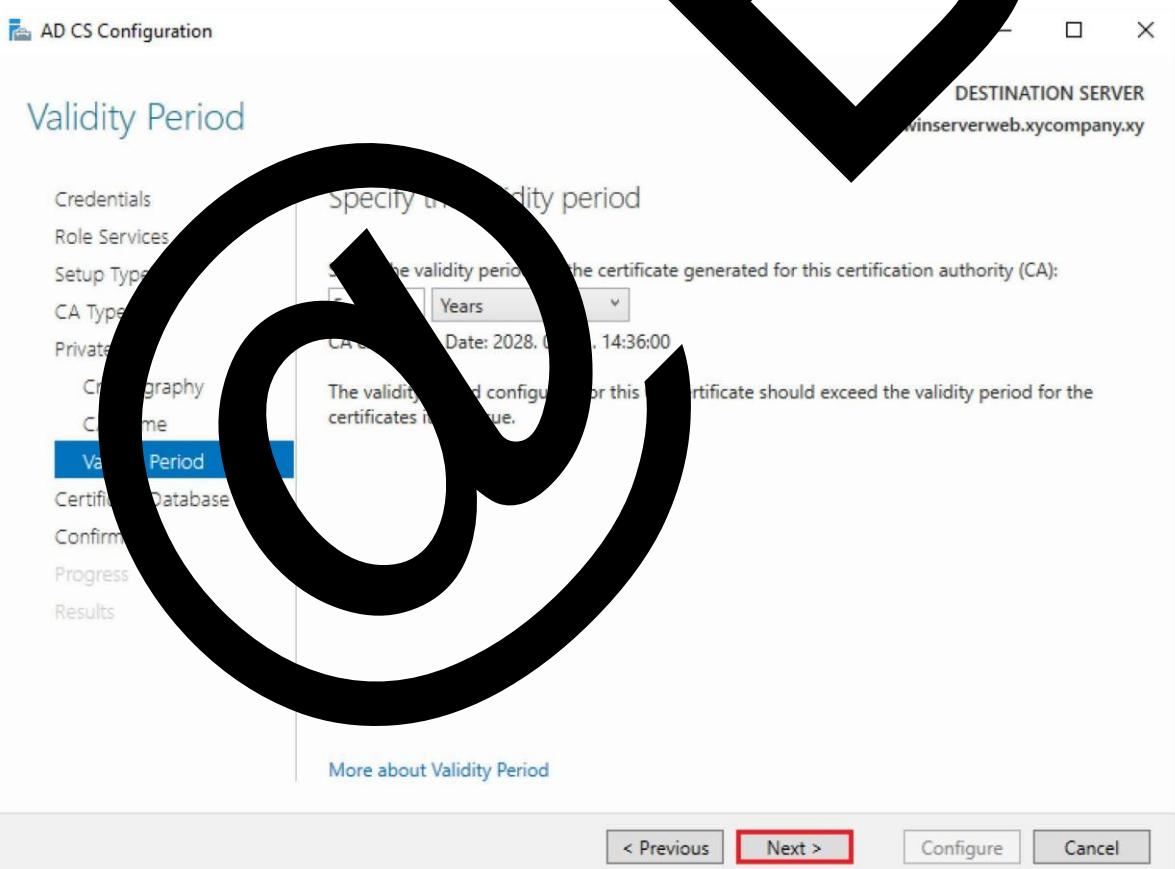
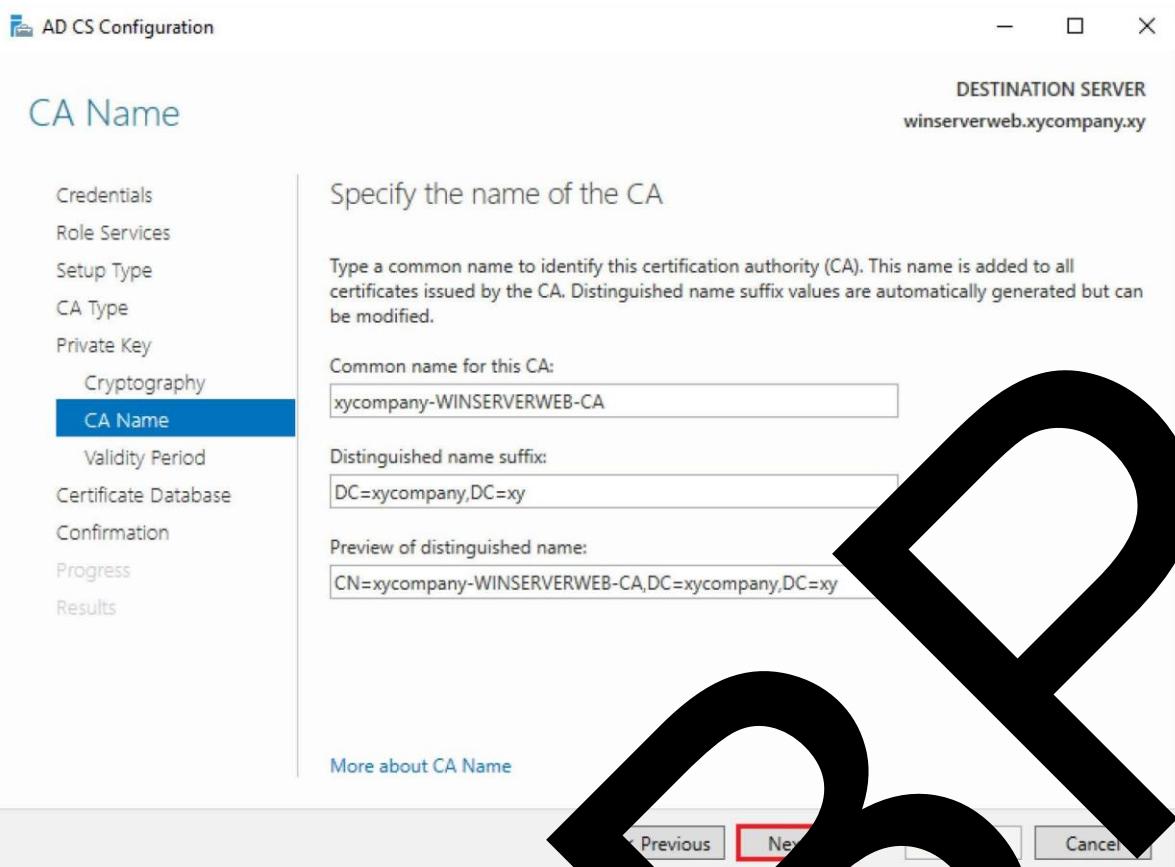


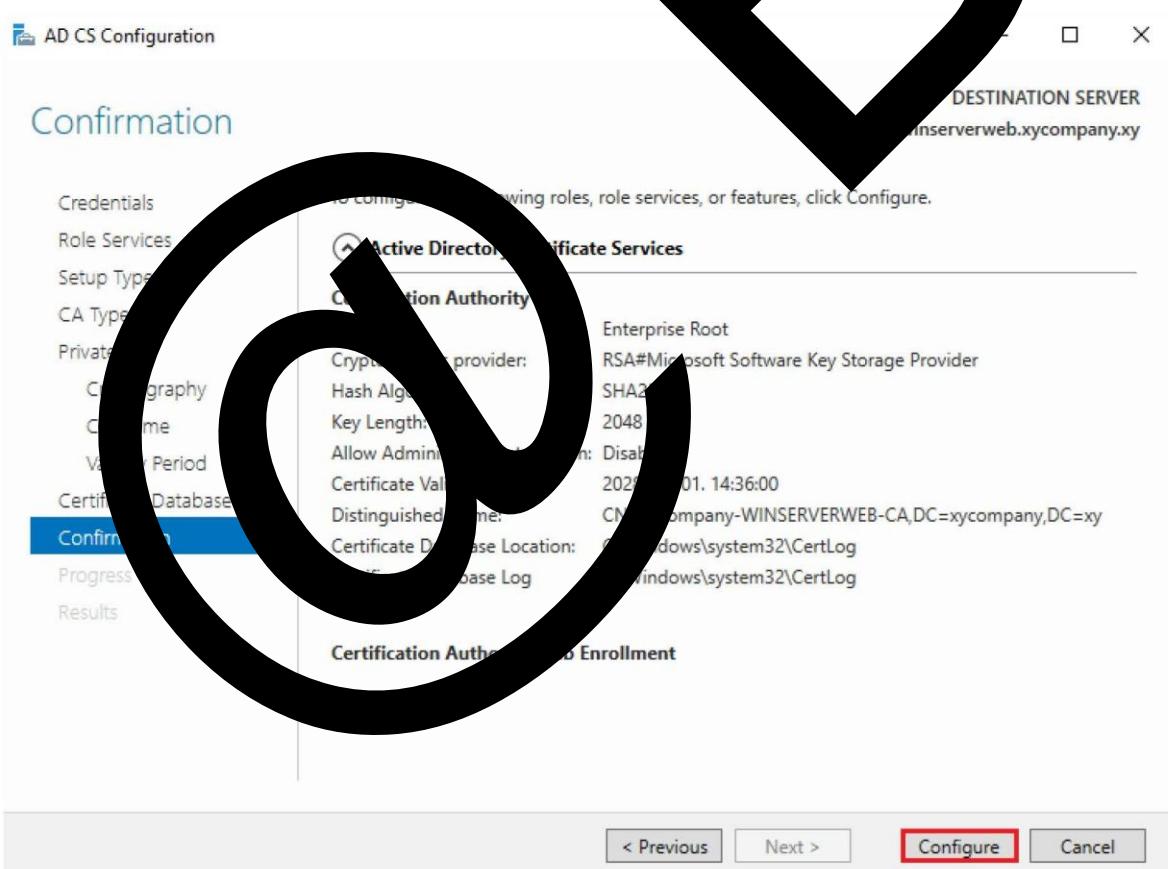
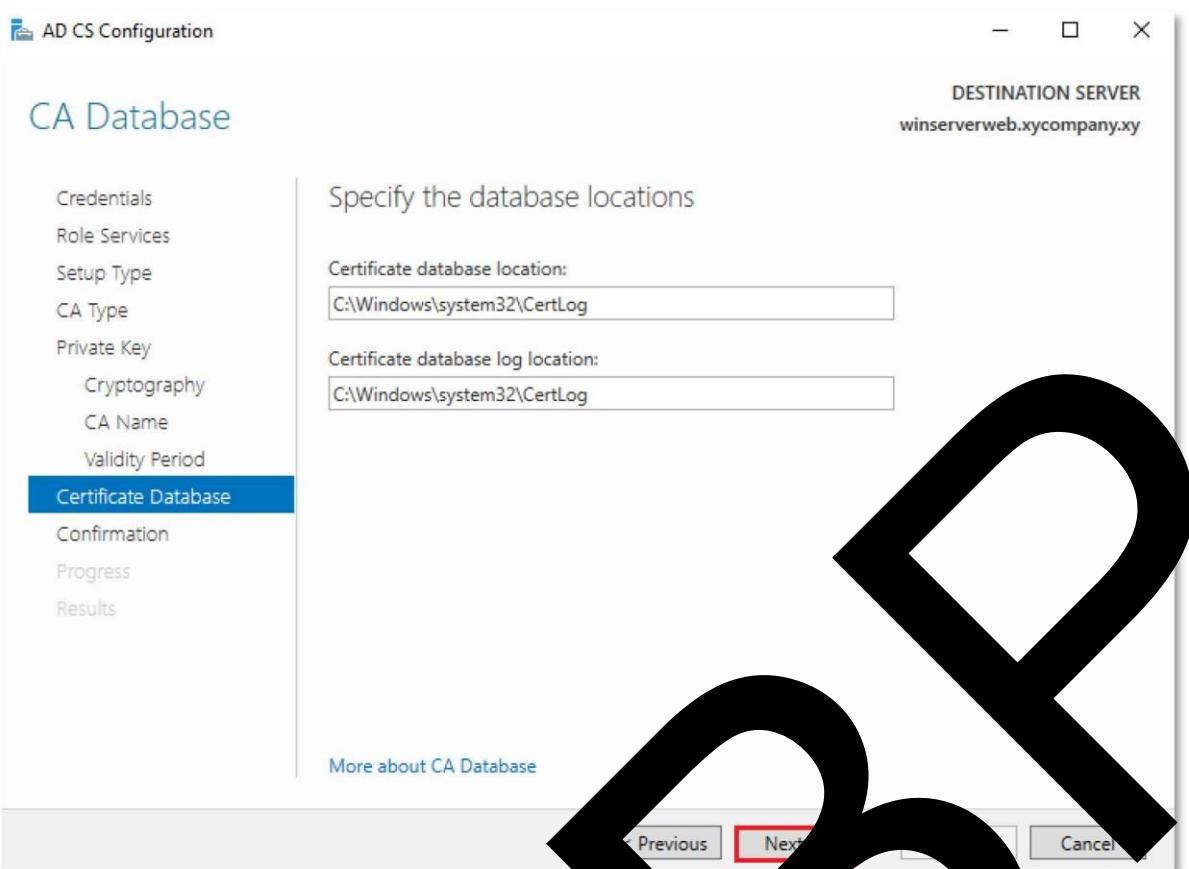


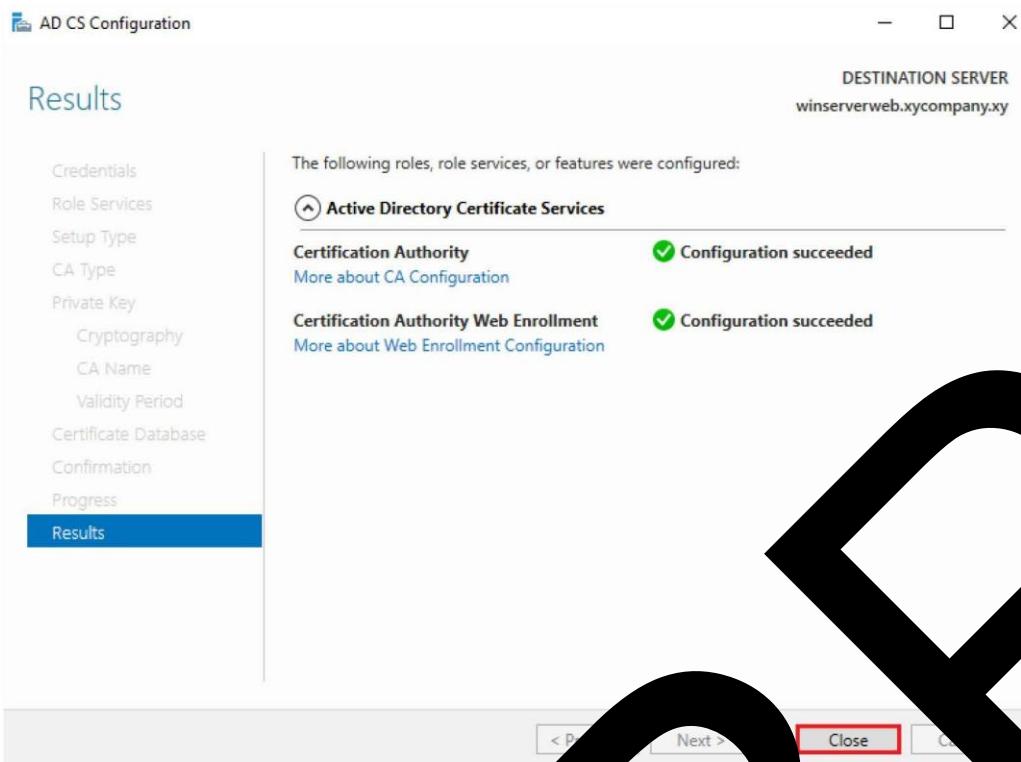








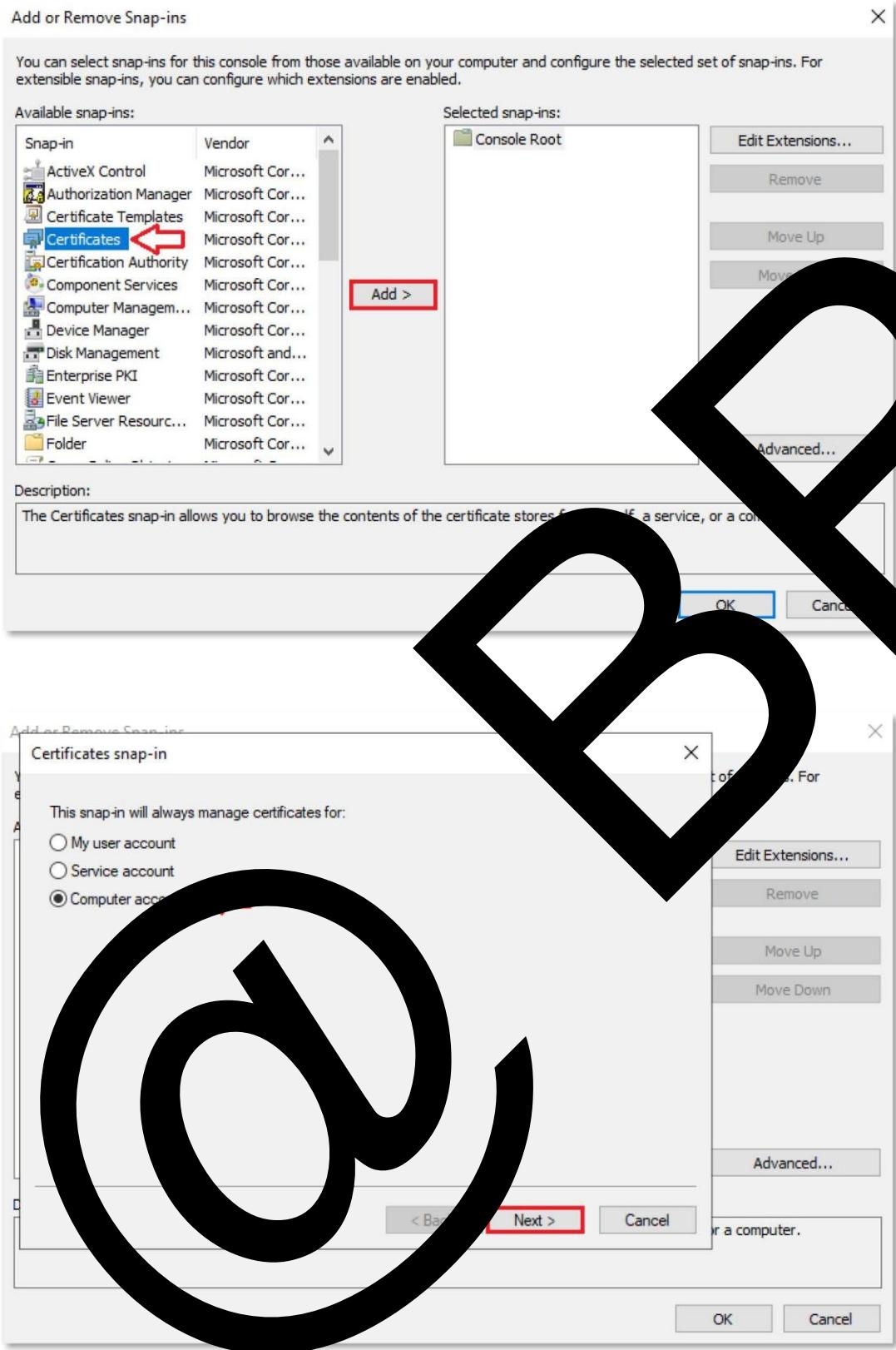


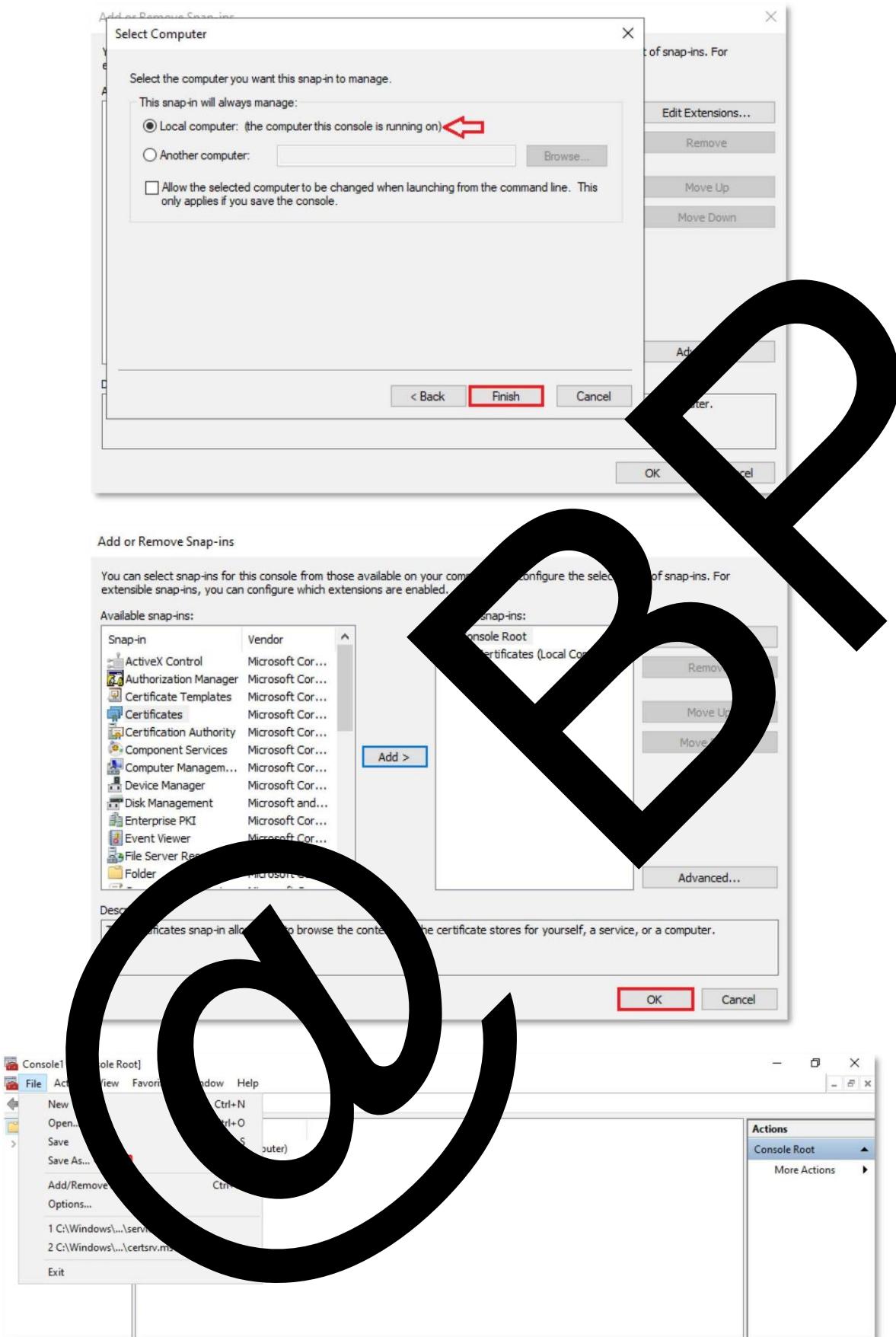


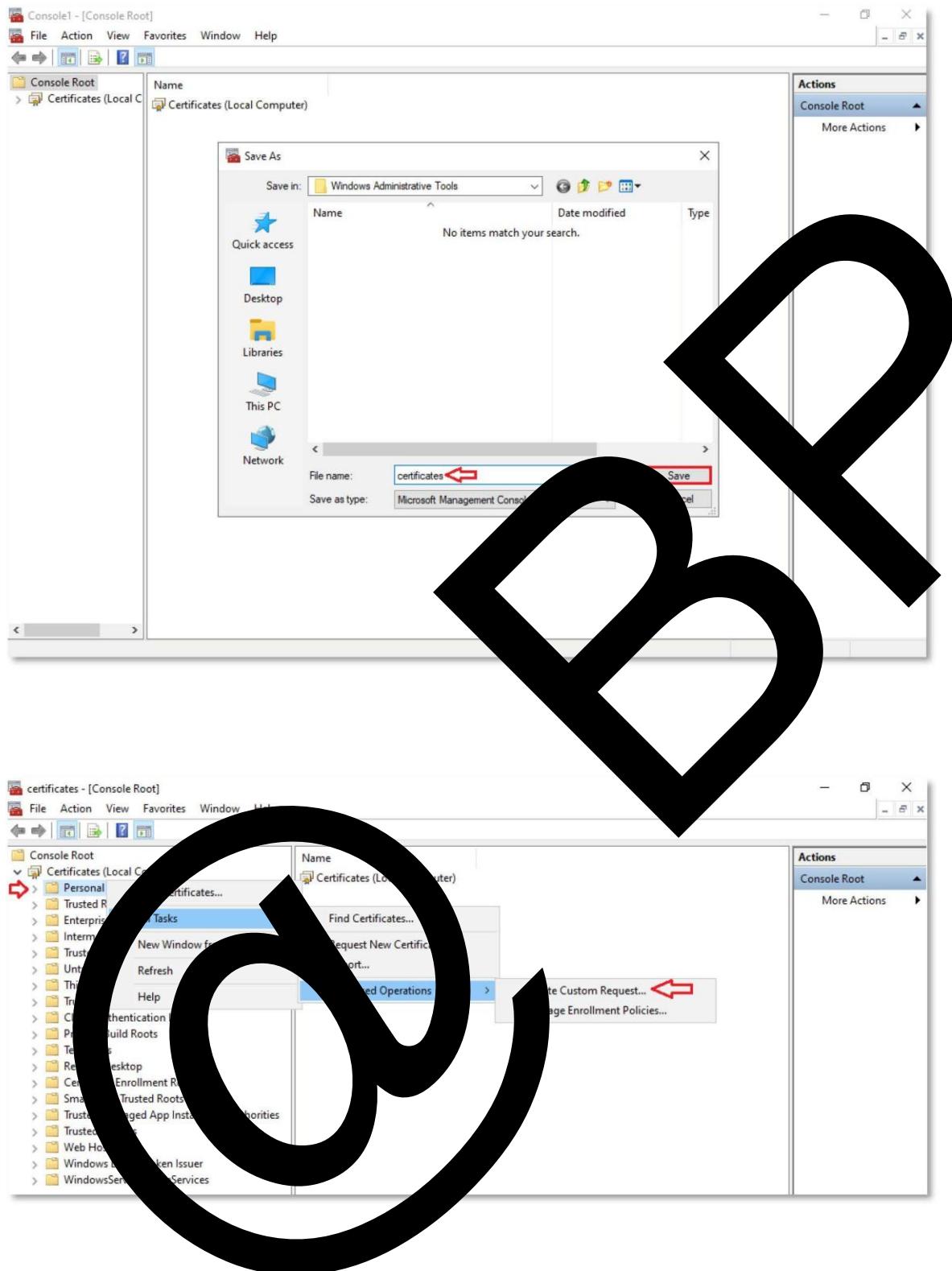
6.5 TLS/SSL tanúsítvány létrehozása az IIS webrendszeren

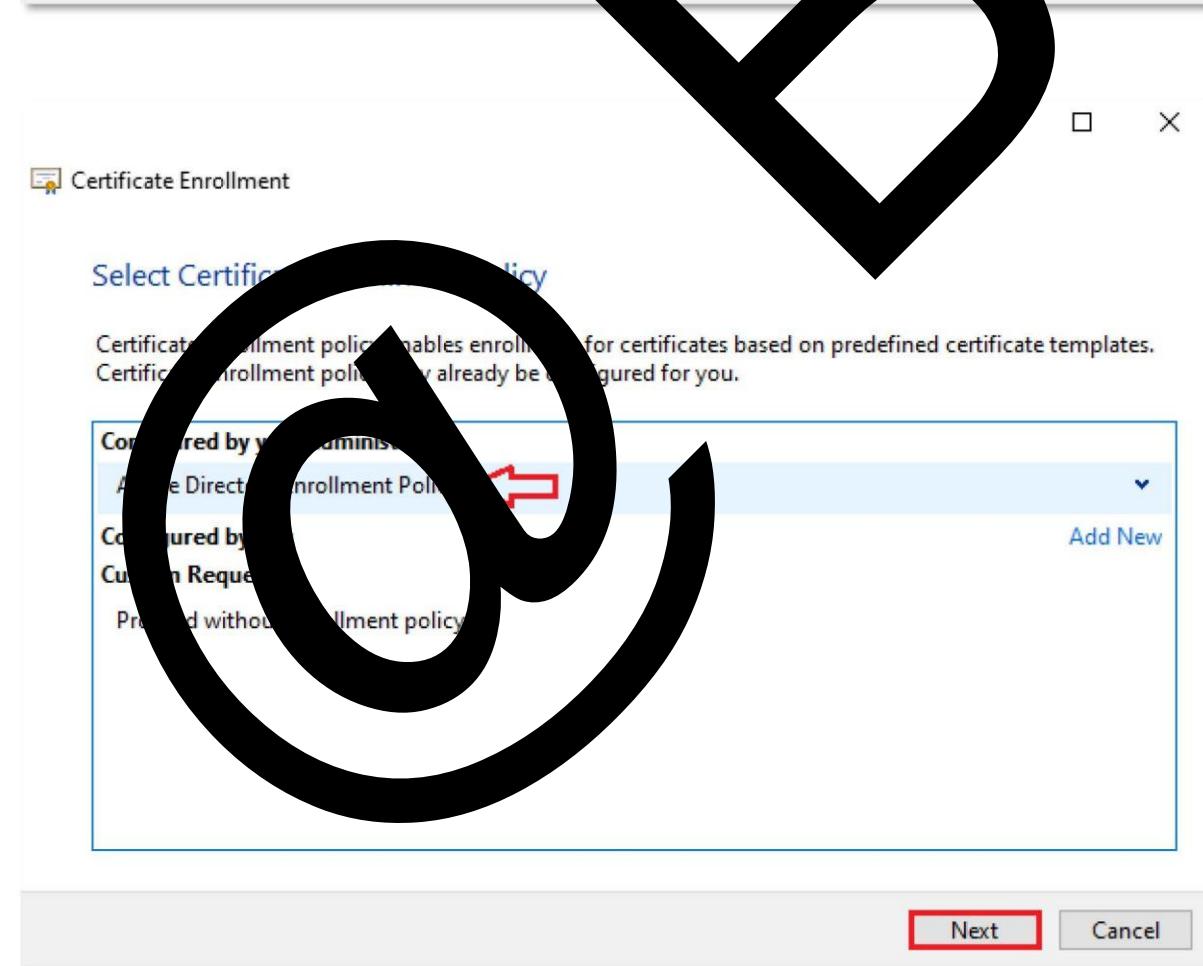
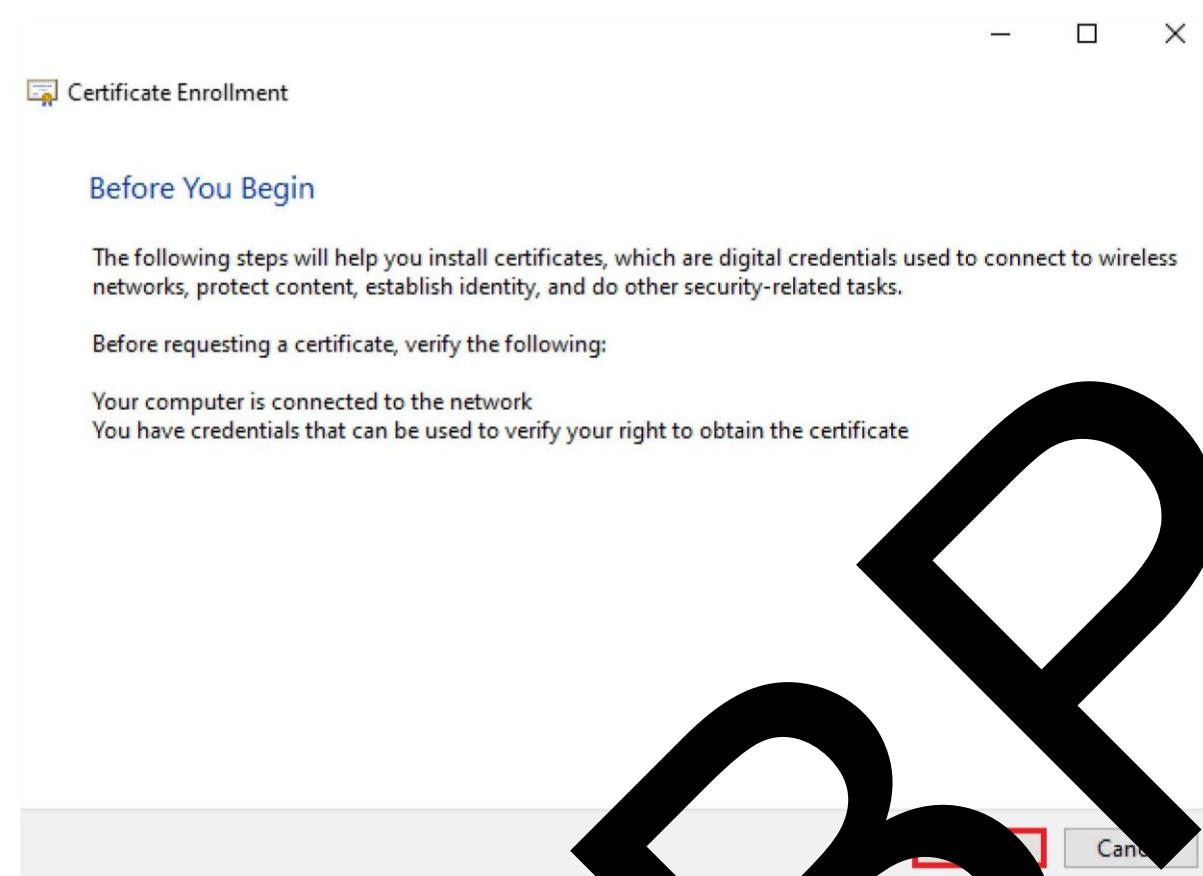
Nyissuk meg a Microsoft Management Console-t (MMC) és végezz el az alábbi konfigurációt:

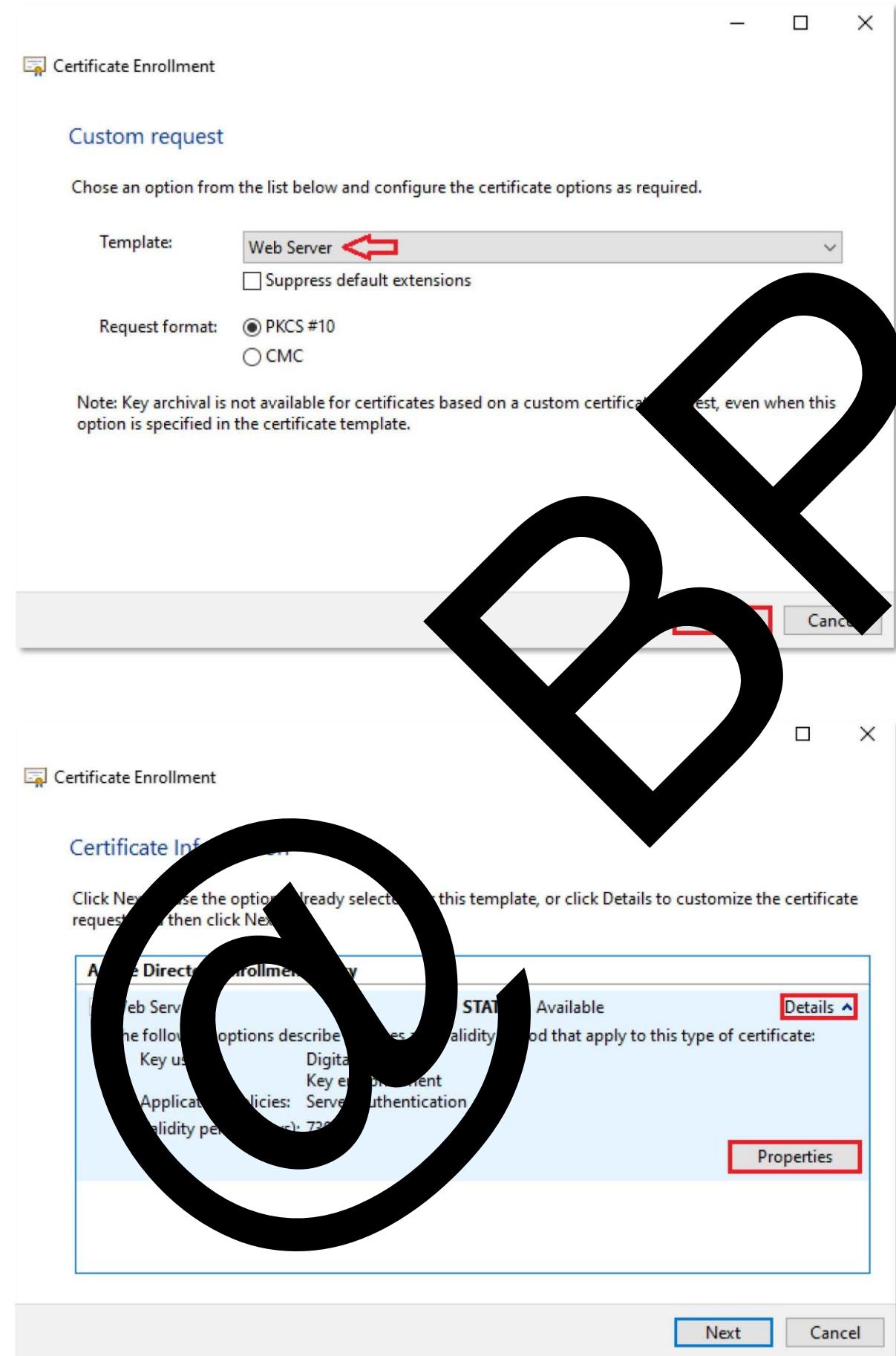


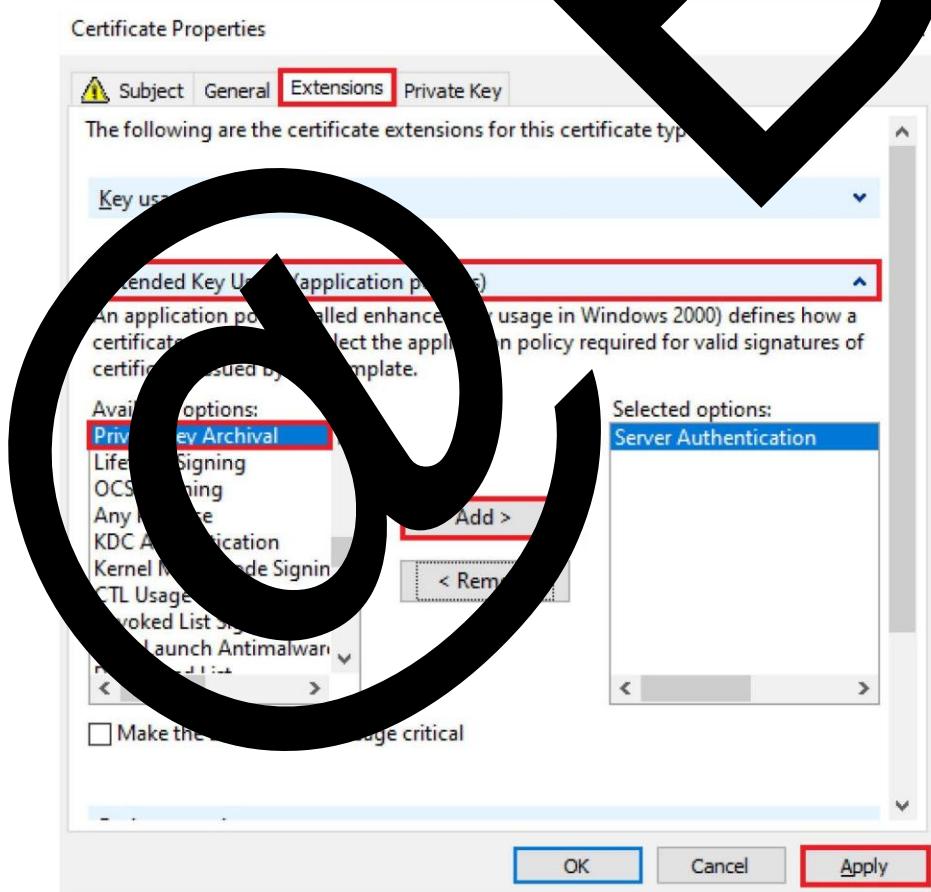
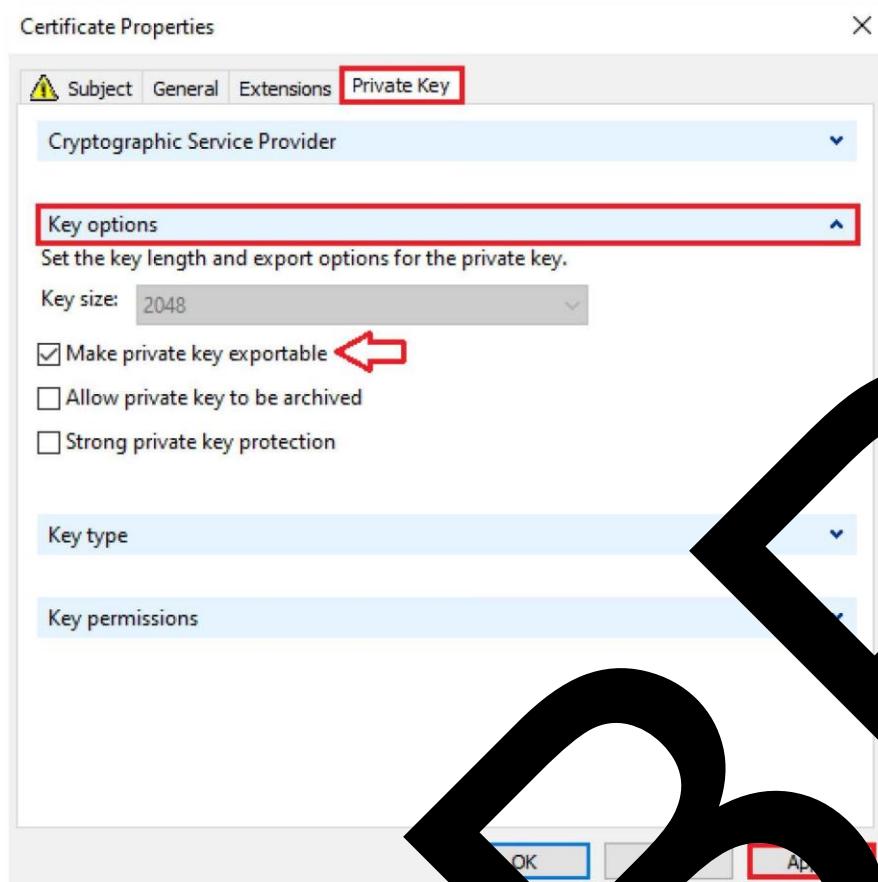


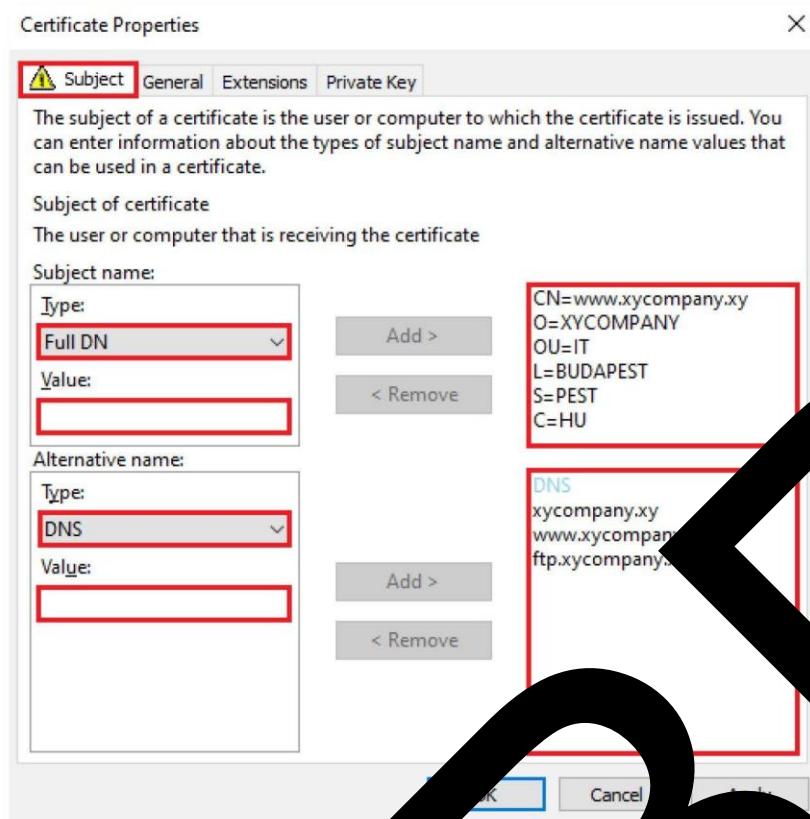




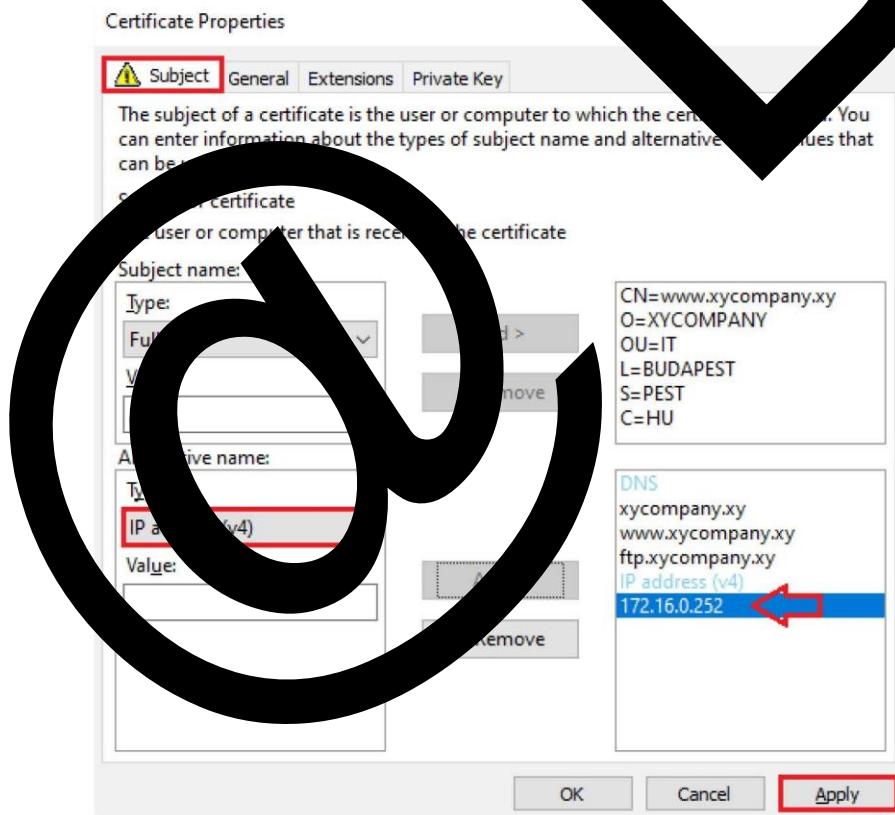




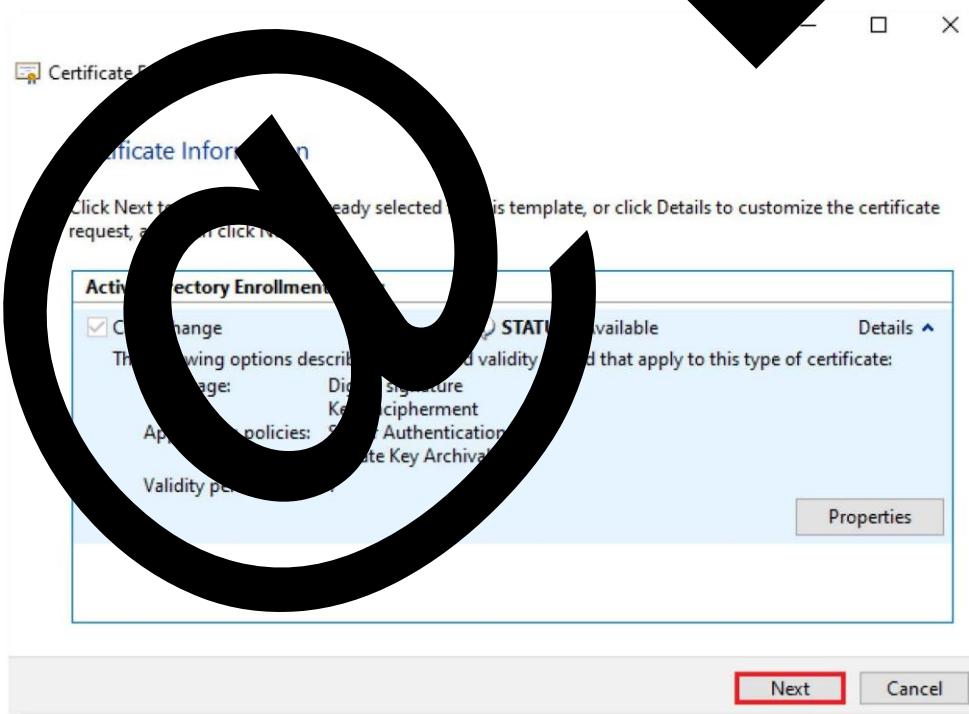
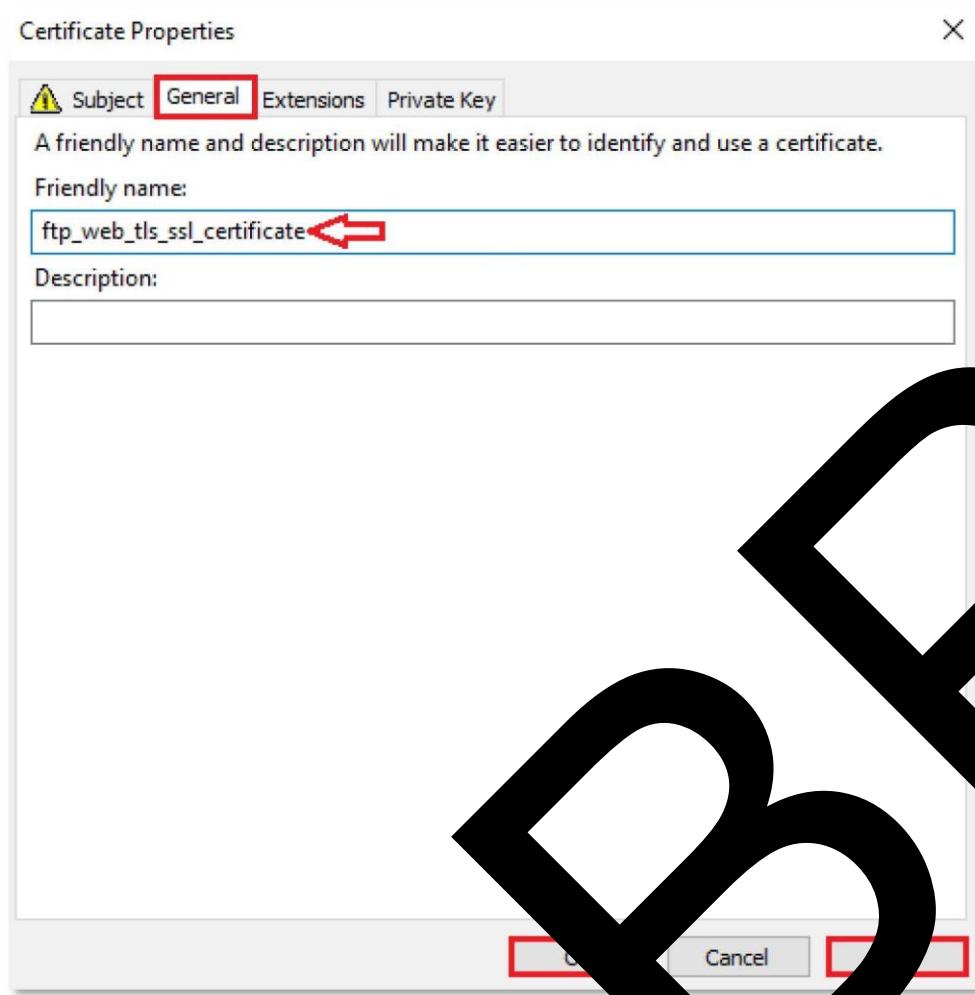


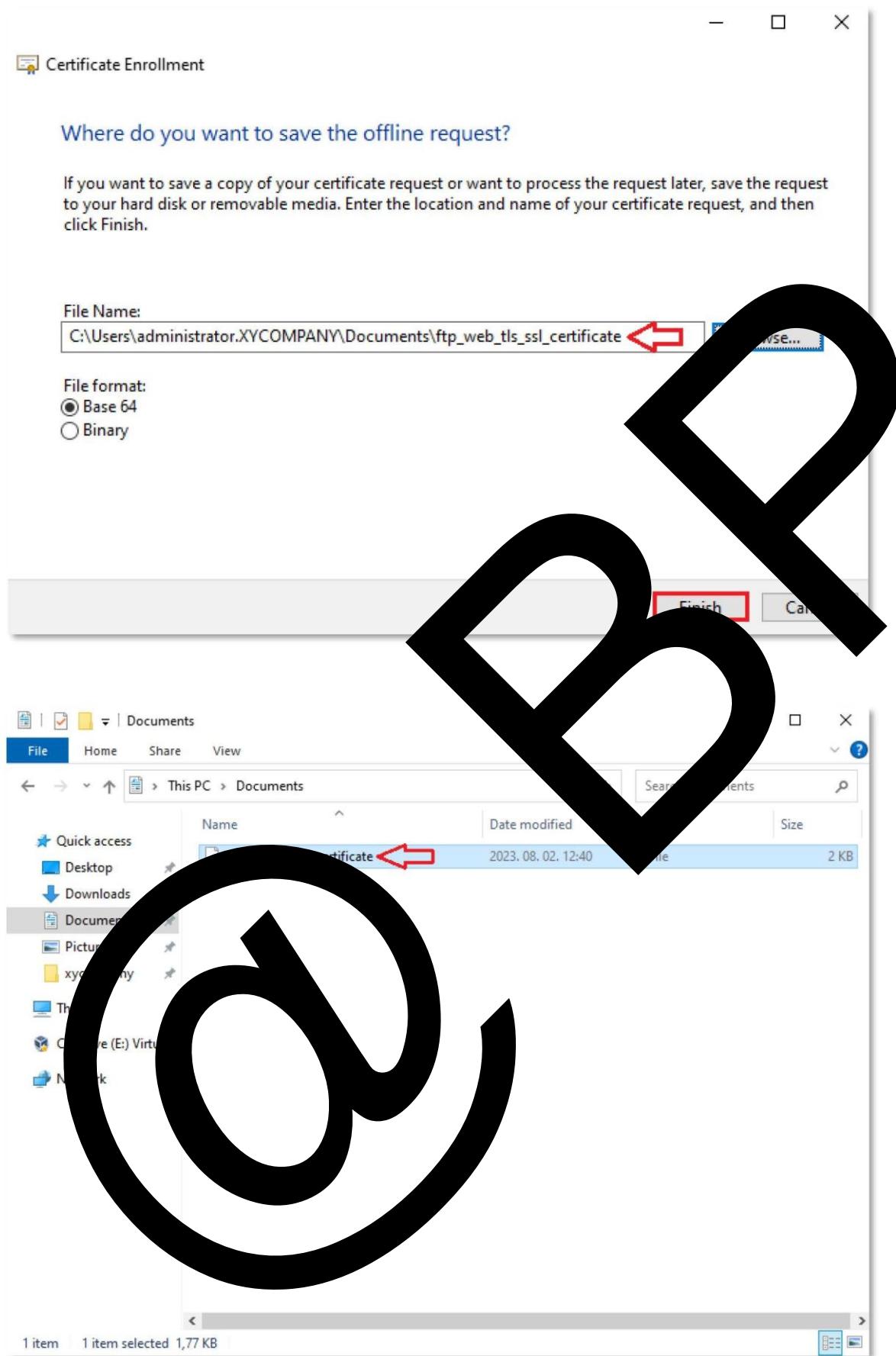


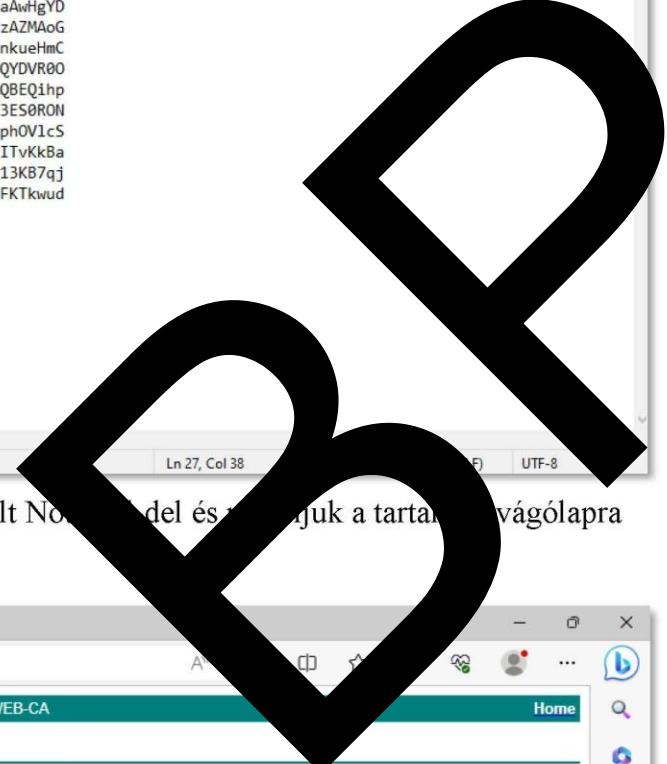
a „Value” rubrikába írjuk a paramétereket és az „Add >” gombbal áthelyezzük



a „Value” rubrikába írjuk a paramétereket és az „Add >” gombbal áthelyezzük

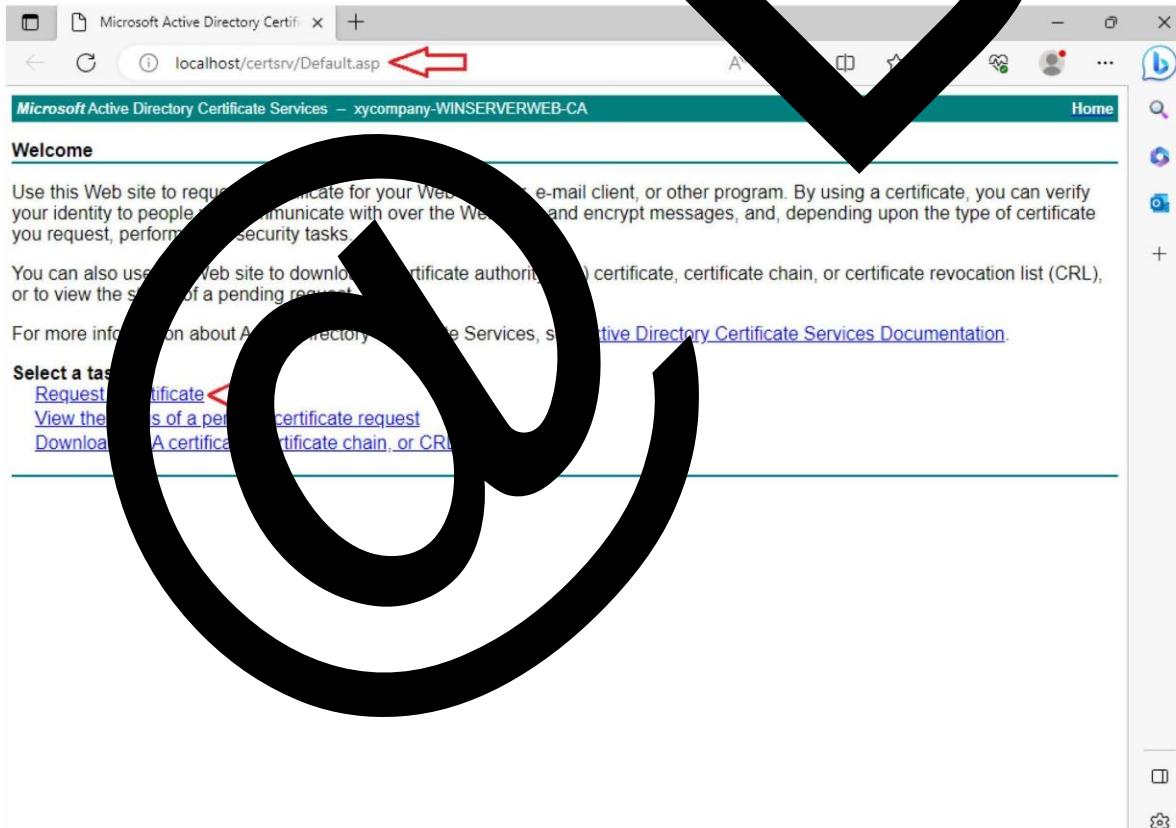




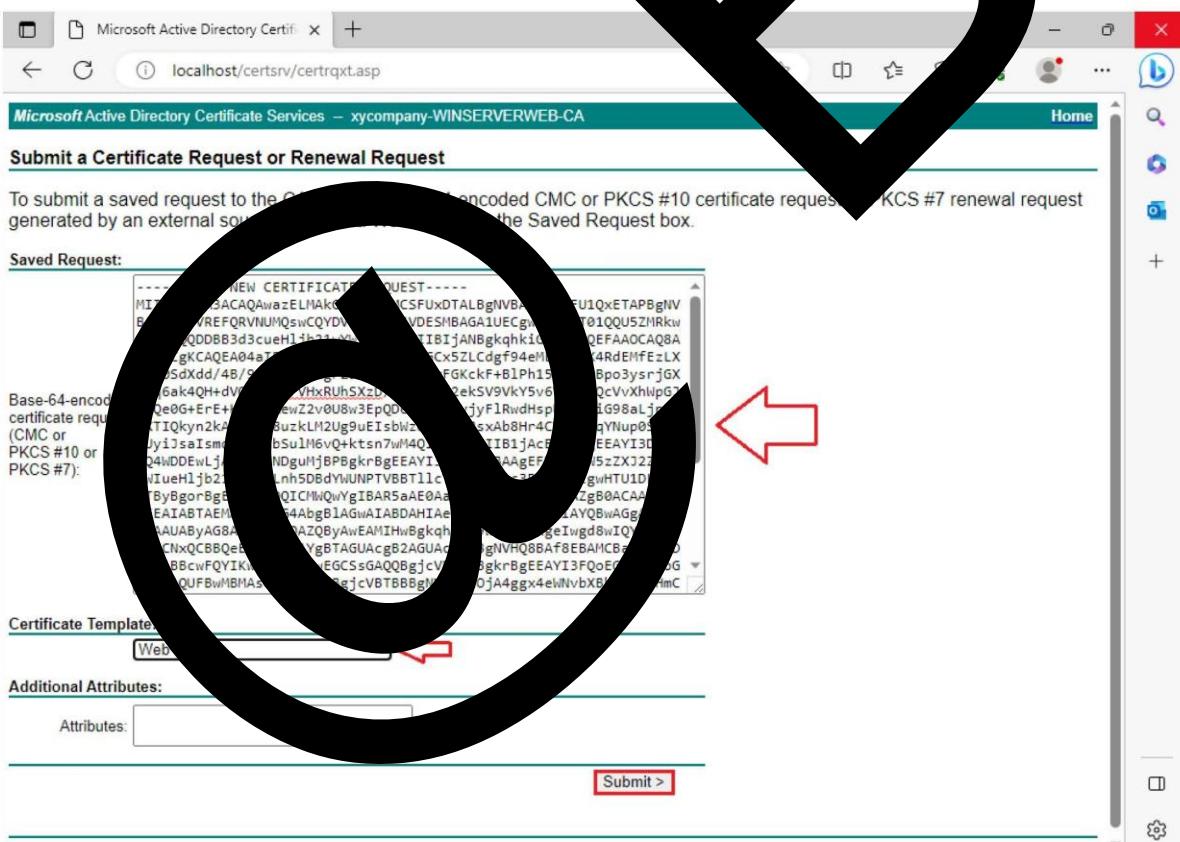
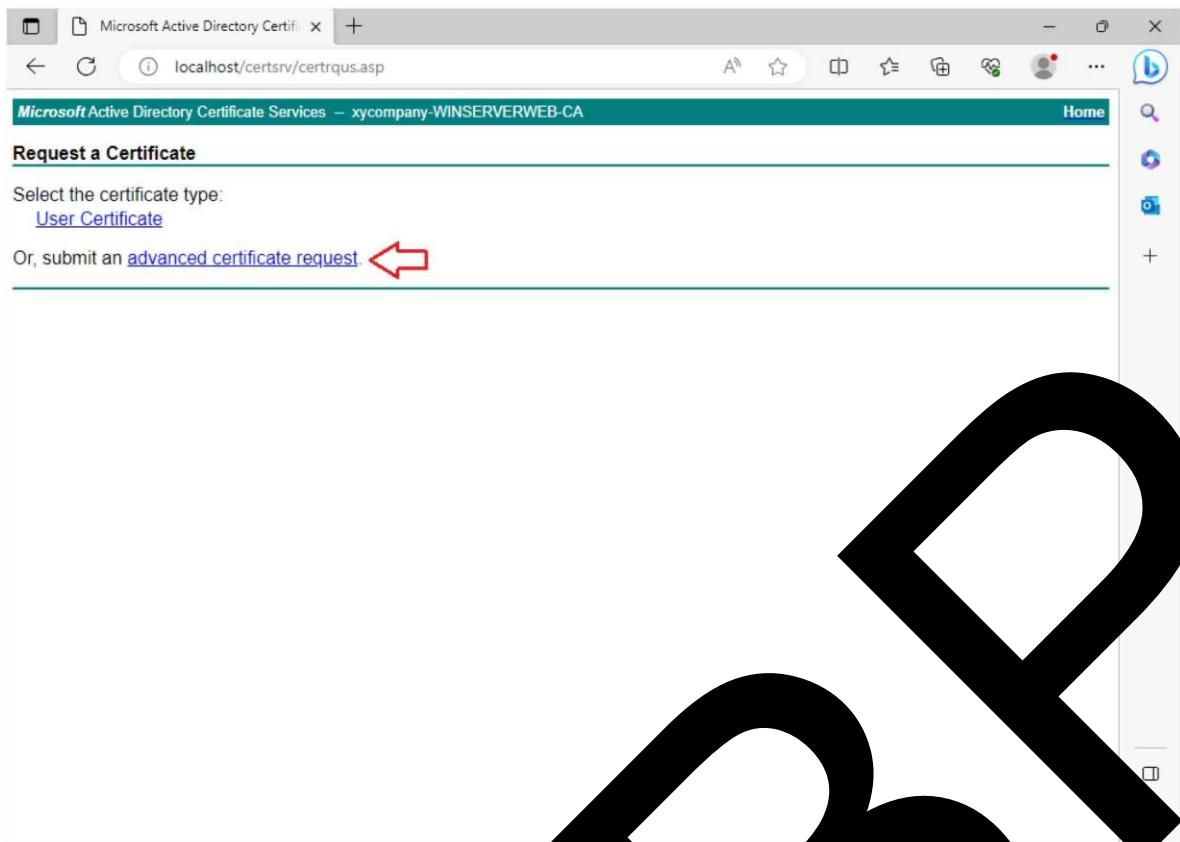


```
ftp_web_tls_ssl_certificate - Notepad
File Edit Format View Help
-----BEGIN NEW CERTIFICATE REQUEST-----
MIIEiDCC3ACAQAwazeLMakGA1UEBhMCSFUxDTAlBgNVBAgMBFBFU1QxETAPBgNV
BAcMCEJVREFQRVNUMQswCQYDVQQLDAJJVDESMBAGA1UECgwJWF1DT01QU5ZMRKw
FwYDVQDDDB3cueh1jb21wY55Ln5MII1jANBgkqhkiG9w0BAQEFAOCAQ8A
MIIBGkCAQEA4a15ASf9/mMB3chzMPy/WGcx5ZLcdgf94eME+3jsX4RdEMFezLX
pw00SdXdd/4B/9rA68Elv1gP29I4K6RXPhvFGKckf+B1ph15jh3k0Bpo3ysrjGX
6dq6ak4QH+dVQ/GXLFrVHxRUhsXzD/v0QStS12ekSV9VkY5v6VFB48QcVvXhWpGJ
mTQe0G+Ery0aewZ2v0U8w3EpQDc4yjps1yjF1RwdHspU524UjG98a1jn2I
8XTIQkyn2kAcSffD8uzkLM2Ug9uEIsbWzUU25qW8sxAb8H4CWJVR5qYNup0SdtP
ZUy1jsa1smo0+vtbSuIM6vQ+ktsn7wM4QIDAQABoII1B1jAcBgorBgeEAYI3DQID
MQ4WDDEwLjAuMjAzNDguMjBPBgkrBgEEAYI3FRQxQjBAAgEFDB13aW5zZXJ2ZXJ3
ZW1ueh1jb21wY55Ln5D8dYMUPTVBBT1lcyWrtaw5pc3RyYXrvcgwHTU1DLkVY
RTByBgorBgEEAYI3DQICMWQyGIBAR5aAE0AaQbjAHIAbwBzAG8A2g80ACAAUgBT
AEEAIABTAEMAaAbhAG4AbgB1AGwAIABDAHIaQbwAHQAbwBnAHIAYQbwAggAaQbj
ACAAUAbYAG8AdgBpAGQAZByAwEAMIHwBgkqhkiG9w0BCQ4xgeIwgd8wIqYjkWYB
BAGCnxQCBBeEgBXAGUAYgBTAGUAcgB2AGUAcjAOBgwVHQ88AF8EBAMCbaAvHgYD
VR01BBcwFQYIKwYBBQUH AwEGCs sGAQQBgjcVBT AoBgkrBgEEAYI3FQoEGzAZMAoG
CCsGAQUFBwMBMAgCSsGAQQBgjcVBTB8BgNVHREE0ja4ggx4eWnbXhbnkueHmC
EHd3dy54ewNvbXhbnkueHmCEGZcc54ewNvbXhbnkueHmHBKwQAPwwHQYDVR00
BByEFJKup9PF2w8oh014L7E8TJZ9CrccgMA0GCSqGSIb3DQEBBQUA4IBAQBEQ1hp
alyZV2j4ZPgtkw6cfm5B184RVVQdPQ0M9roh084cfqqx0gpgj9Cms3ES0RON
H8MvB3FJy/Nauzb0t2qb/5DN7LmhvB13Cu1XFvwJS01k4mgd/D1M5aphOV1cS
8qFhS2ksFOB3HL012t1Cj/vjh6ncpsUf6g2fc0Qpr+U95pjW1tmig/ITvkkBa
1fArxTcoolWQI1d1frXWZQGh2Y120I8YZUQ3ex/qvu17jd4/RB9UJv6d13Kb7qj
KEm1JD0io9Z2DsYY60fnGE1Q5GtQnidIth0gRCUSj9PchjXbTyx/xNSFKTkwd
Ip/NHeyfomSypYh6
-----END NEW CERTIFICATE REQUEST-----
```

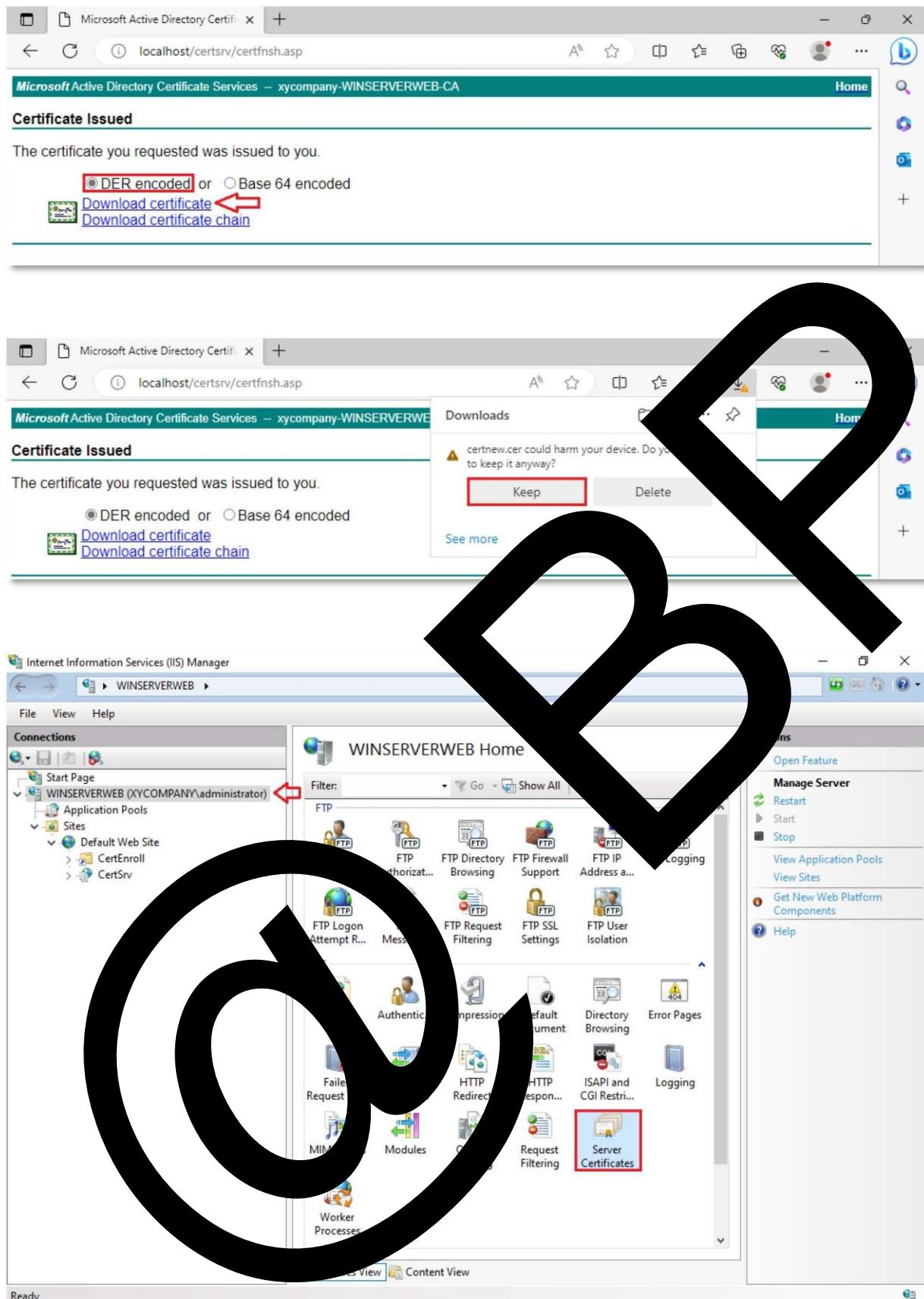
nyissuk meg a tanúsítvány kérelem fájlt Notepaddel és rögzítsük a tartalmat a vágólapra



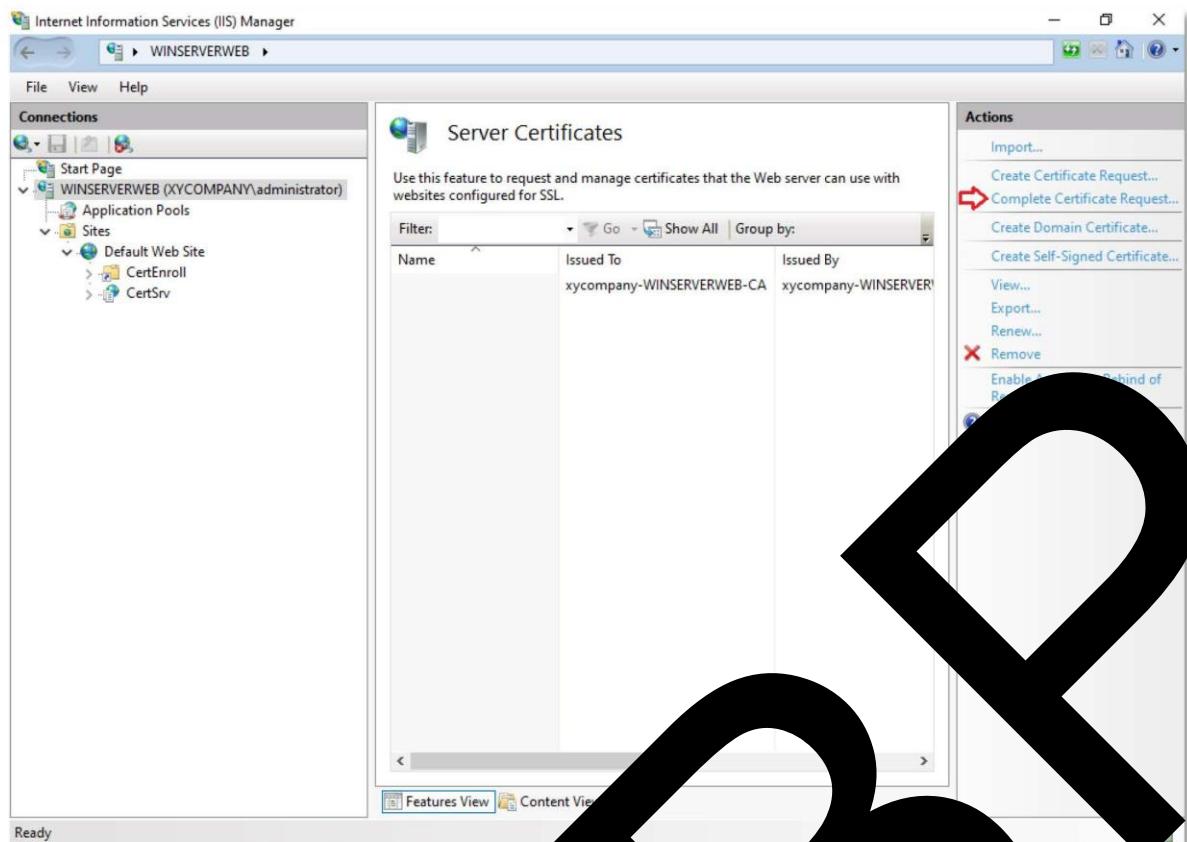
nyissuk meg a böngészőben a fenti oldalt



illesszük be a válólap tartalmát a „Saved Request” részhez

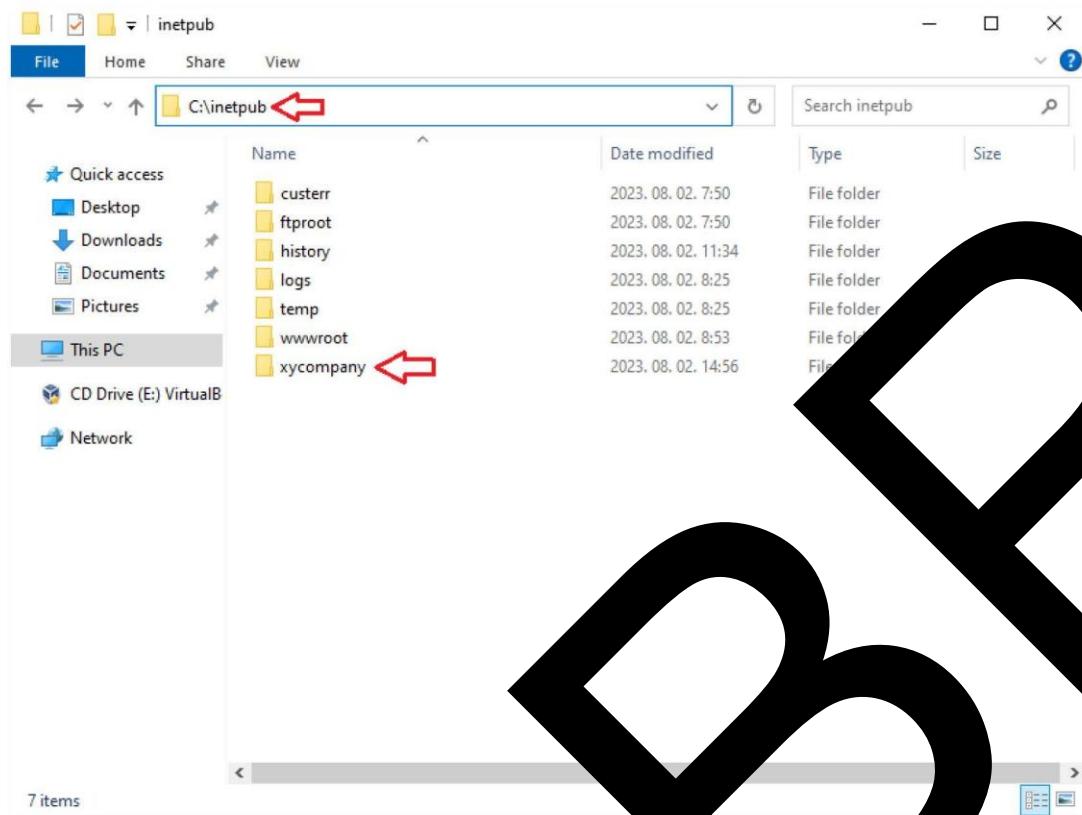


Server Manager/Tools/Internet Information Services (IIS) Manager/Server Certificates

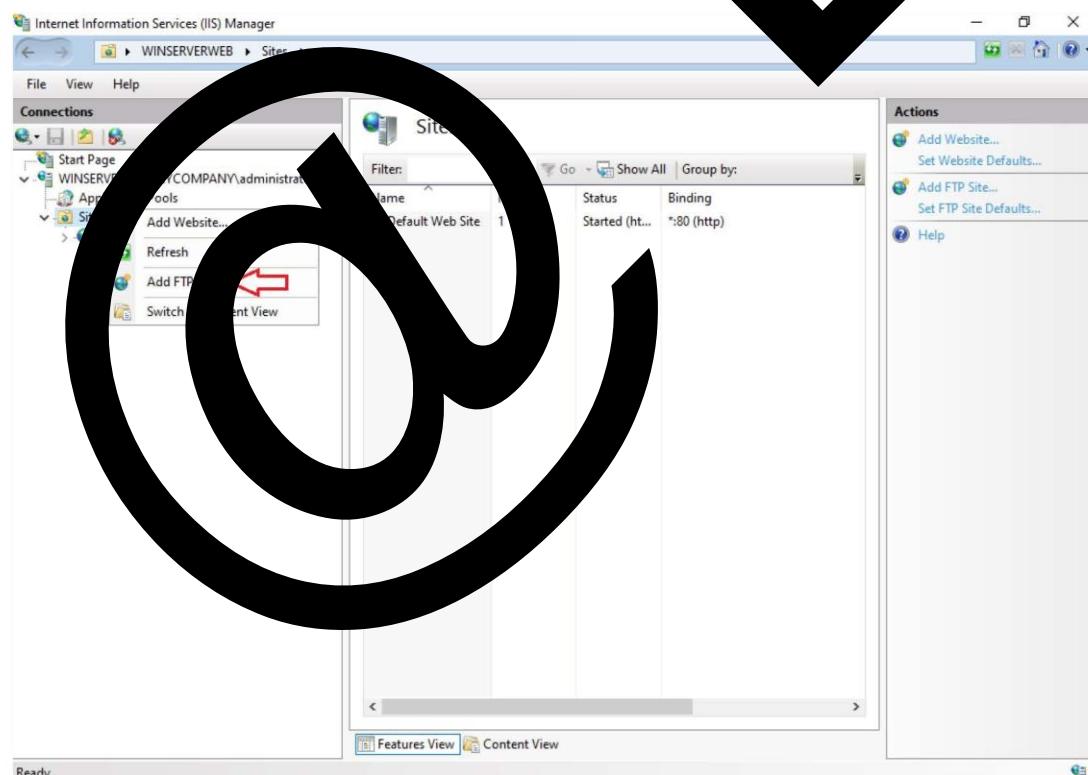


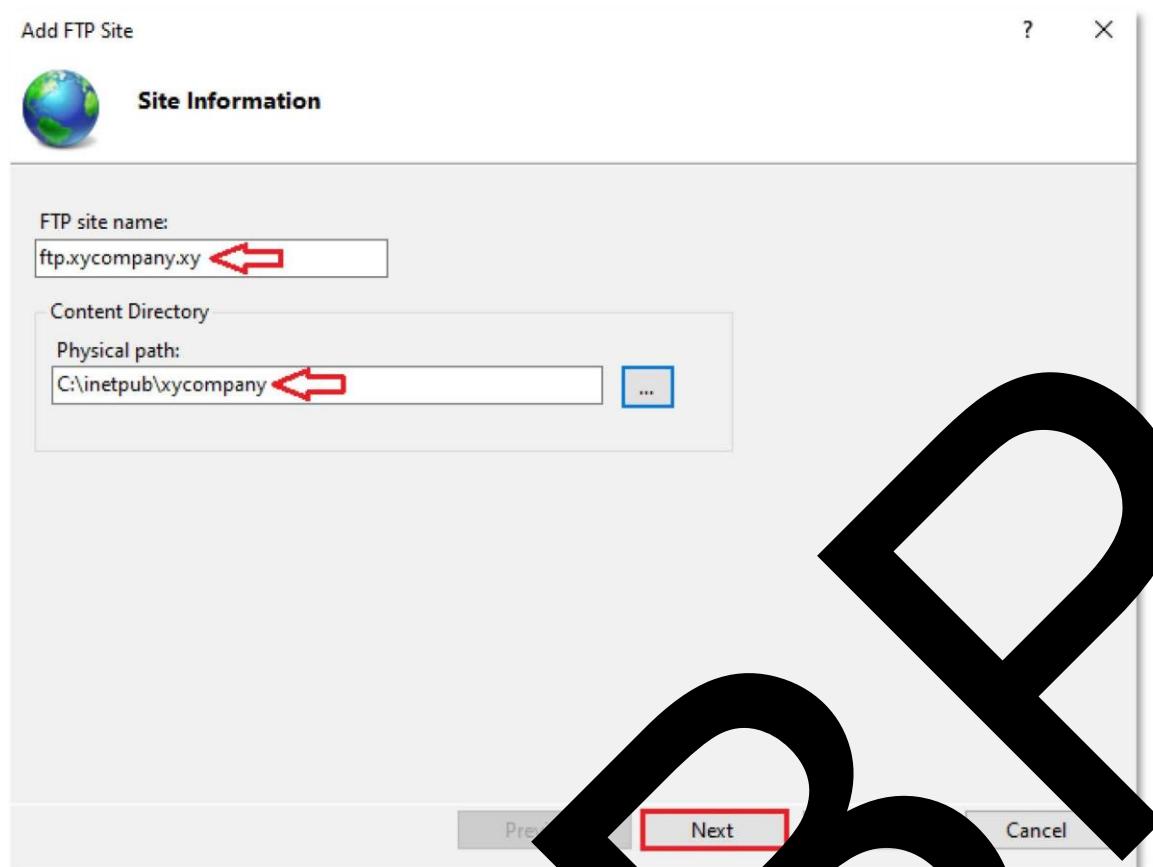
6.6 FTP kapcsolat és weboldal létrehozása, konfigurálása

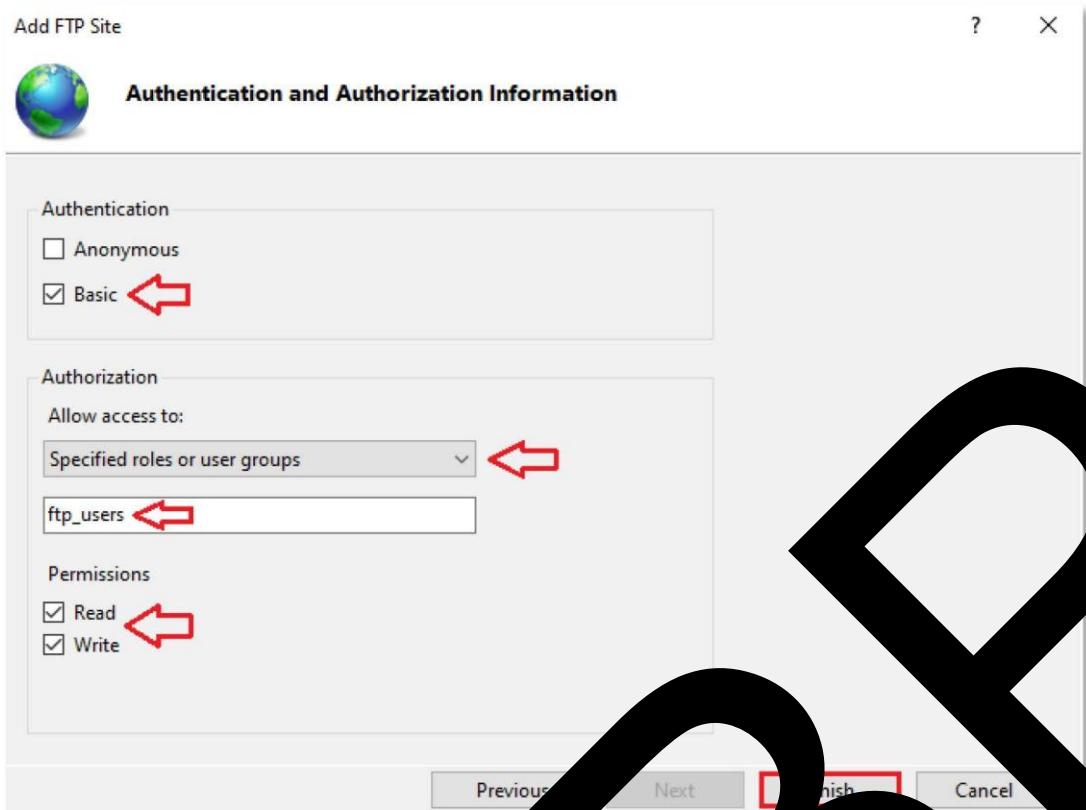
Hozzunk létre egy mappát a **winserverweb** szerveren az alábbiak szerint:



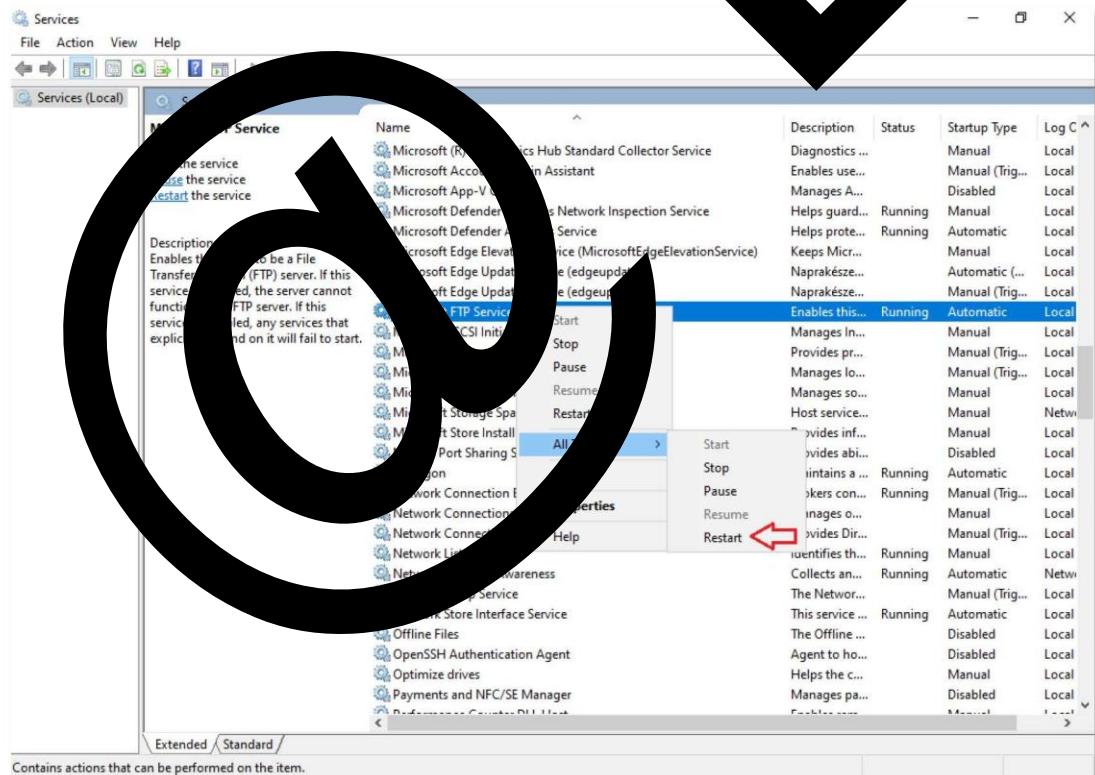
ebben a mappában fogjuk a weboldalt elhelyezni.



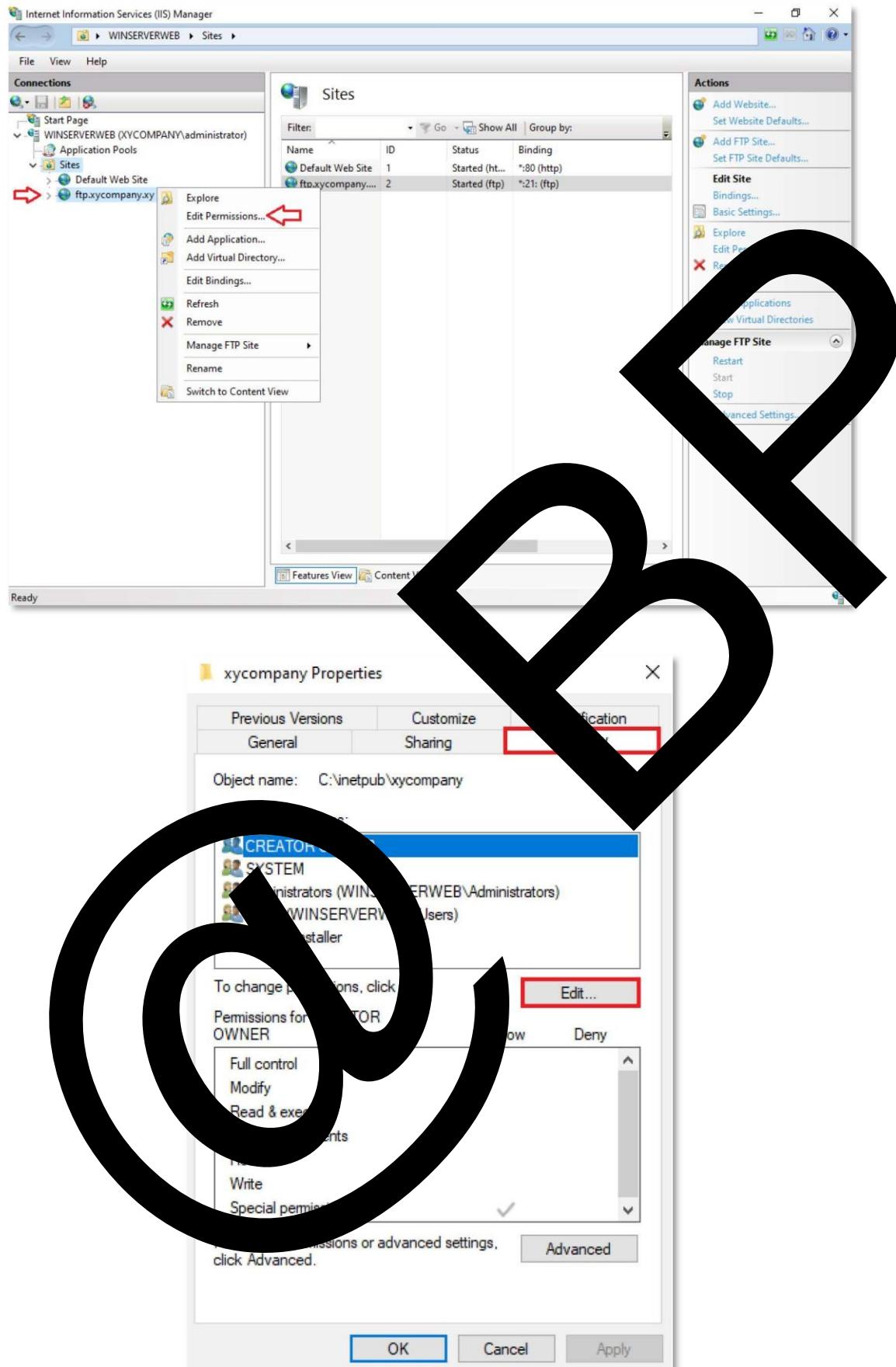


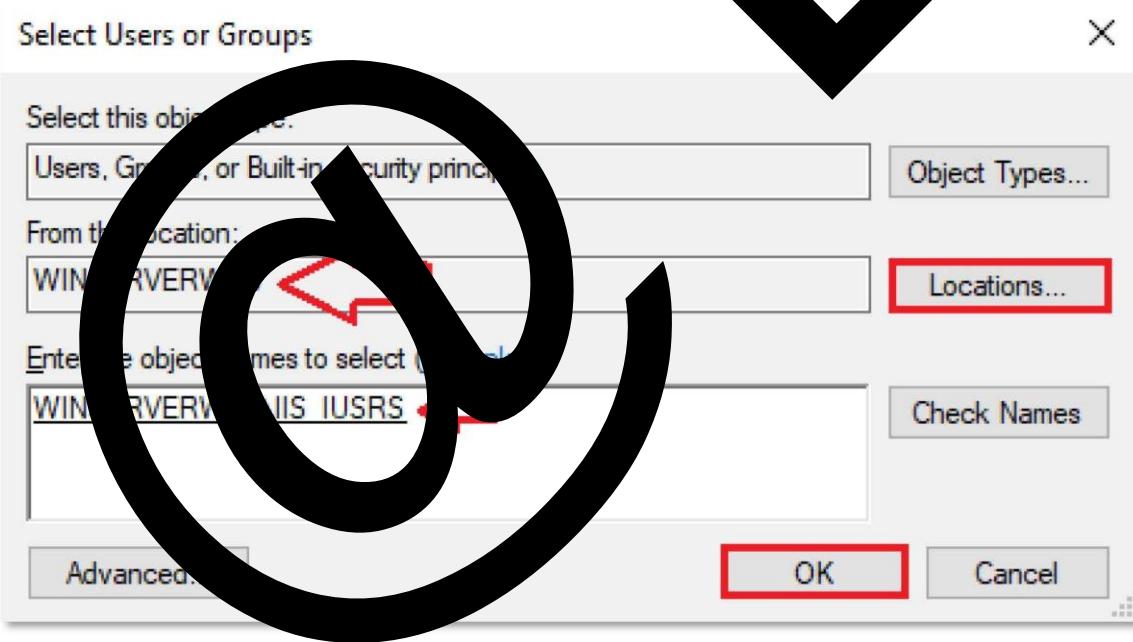
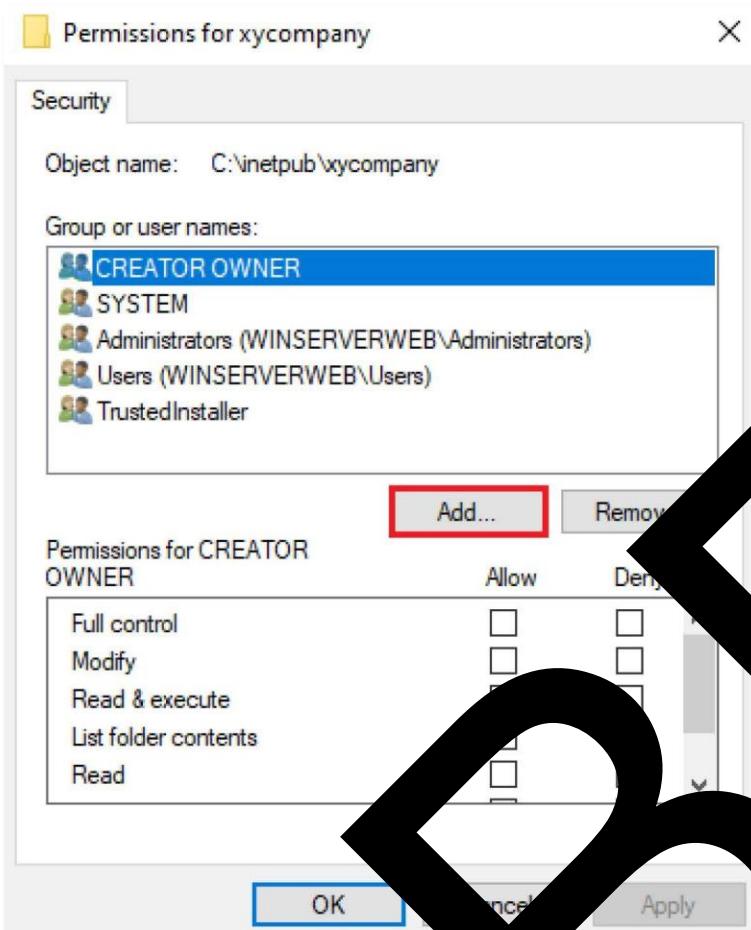


Indítsuk újra az FTP szolgáltatást: futtatásba írva a services.msc -ban a Microsoft FTP Service restart:

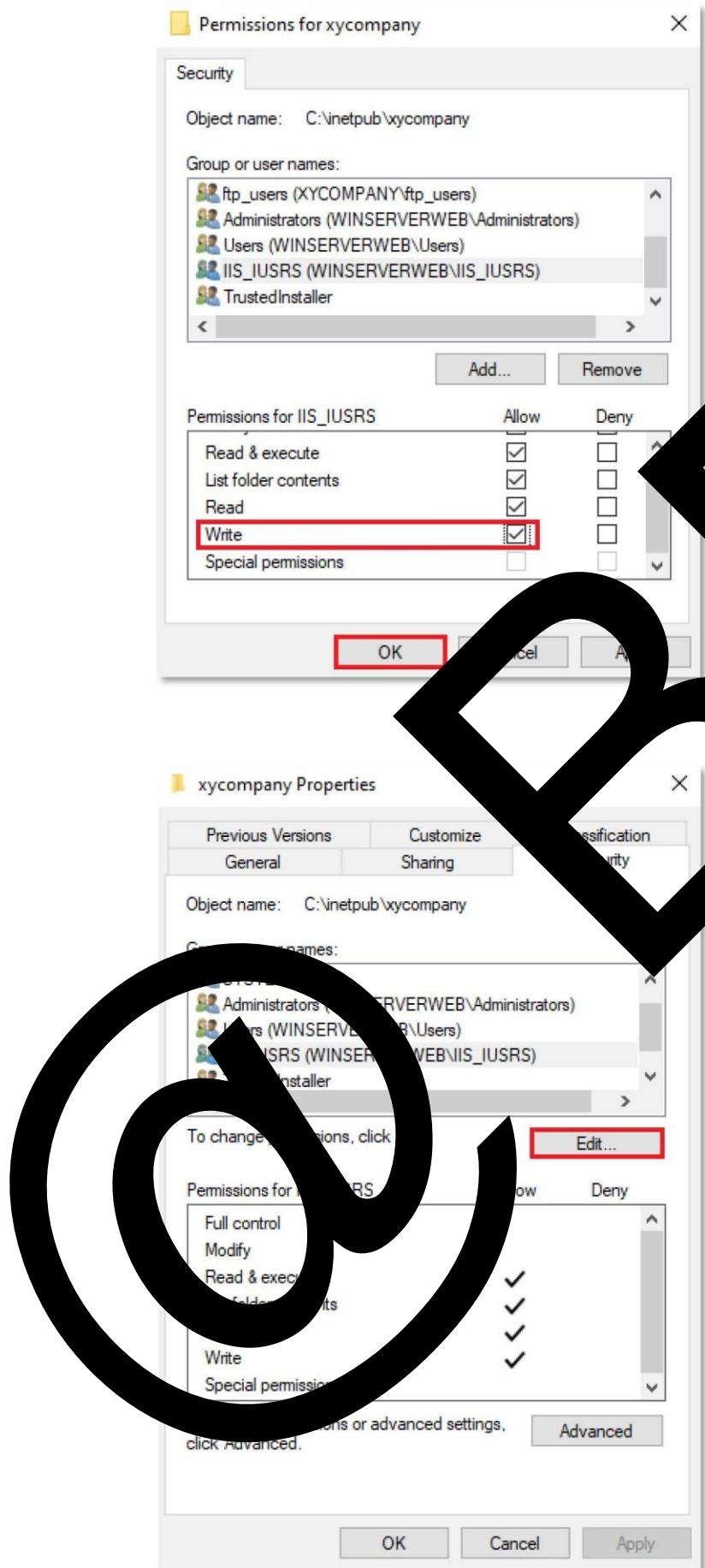


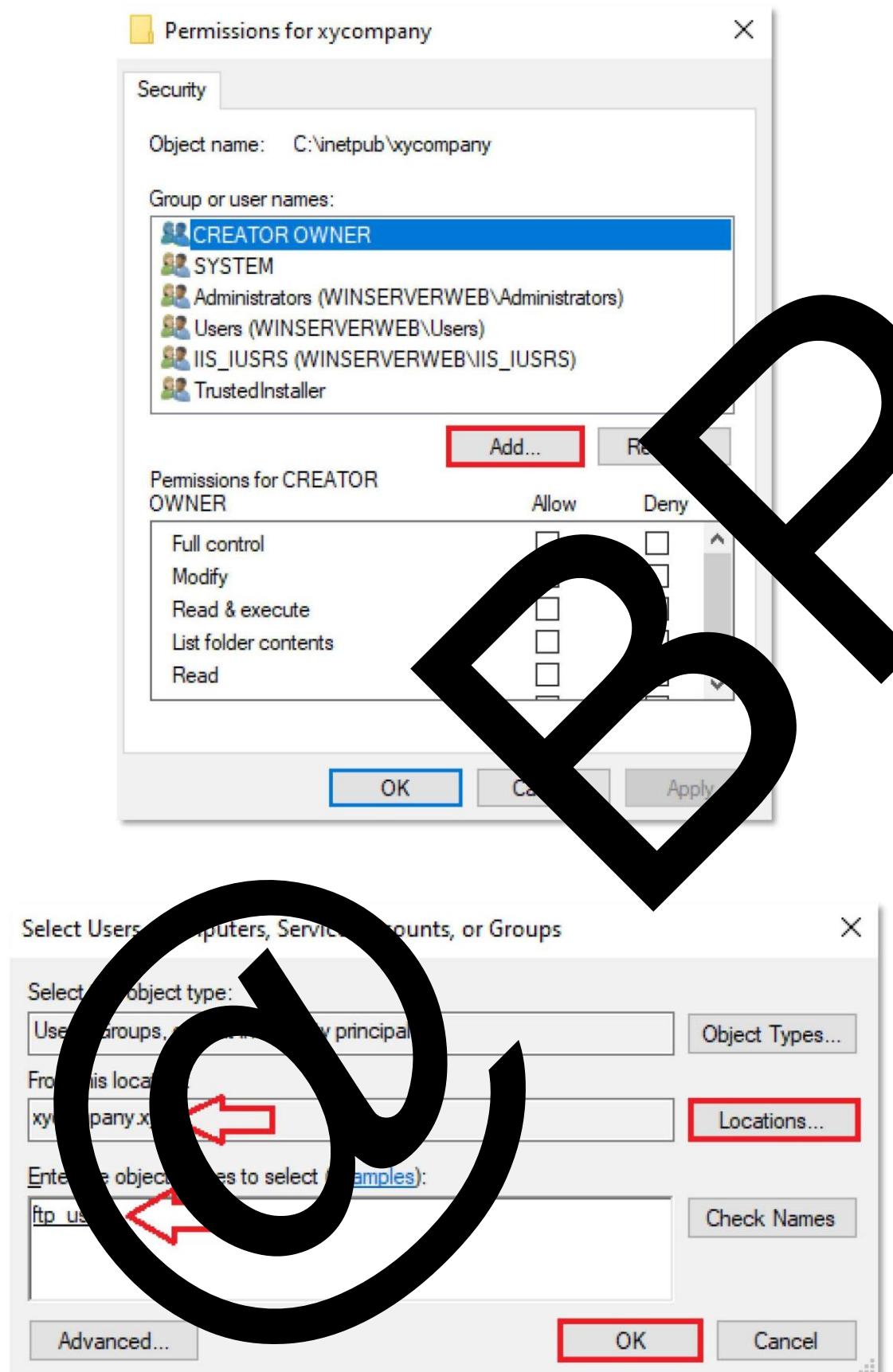
Állítsuk be a megfelelő jogosultságokat:

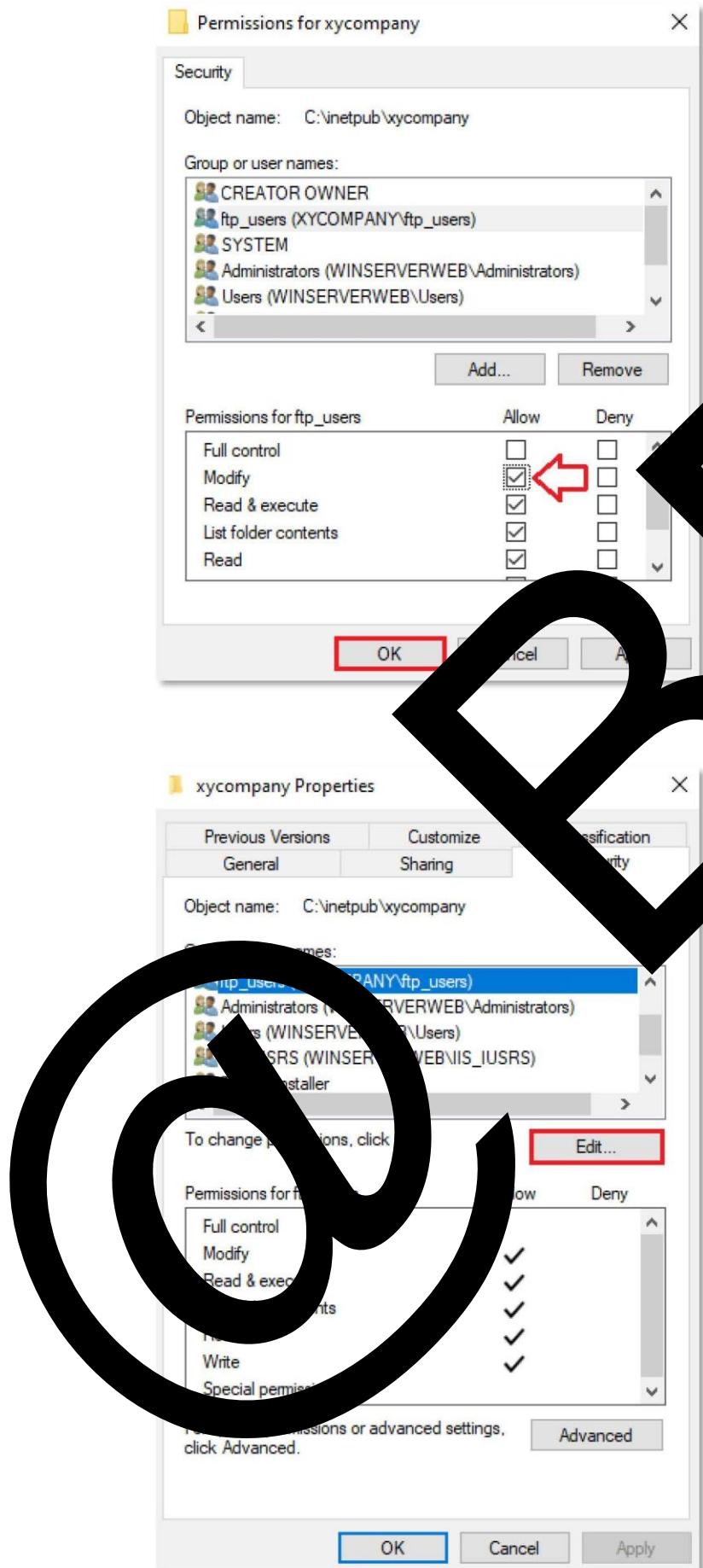


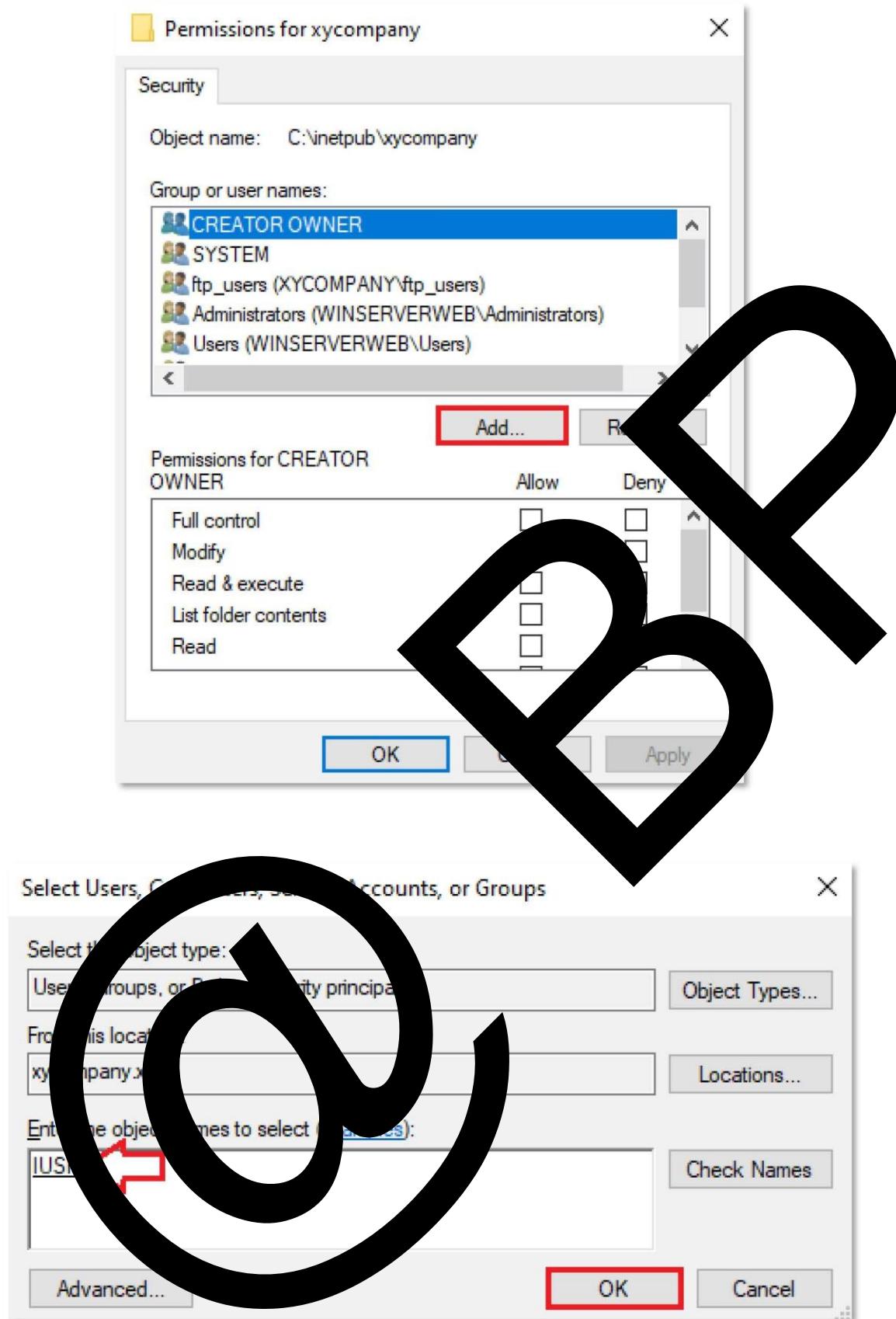


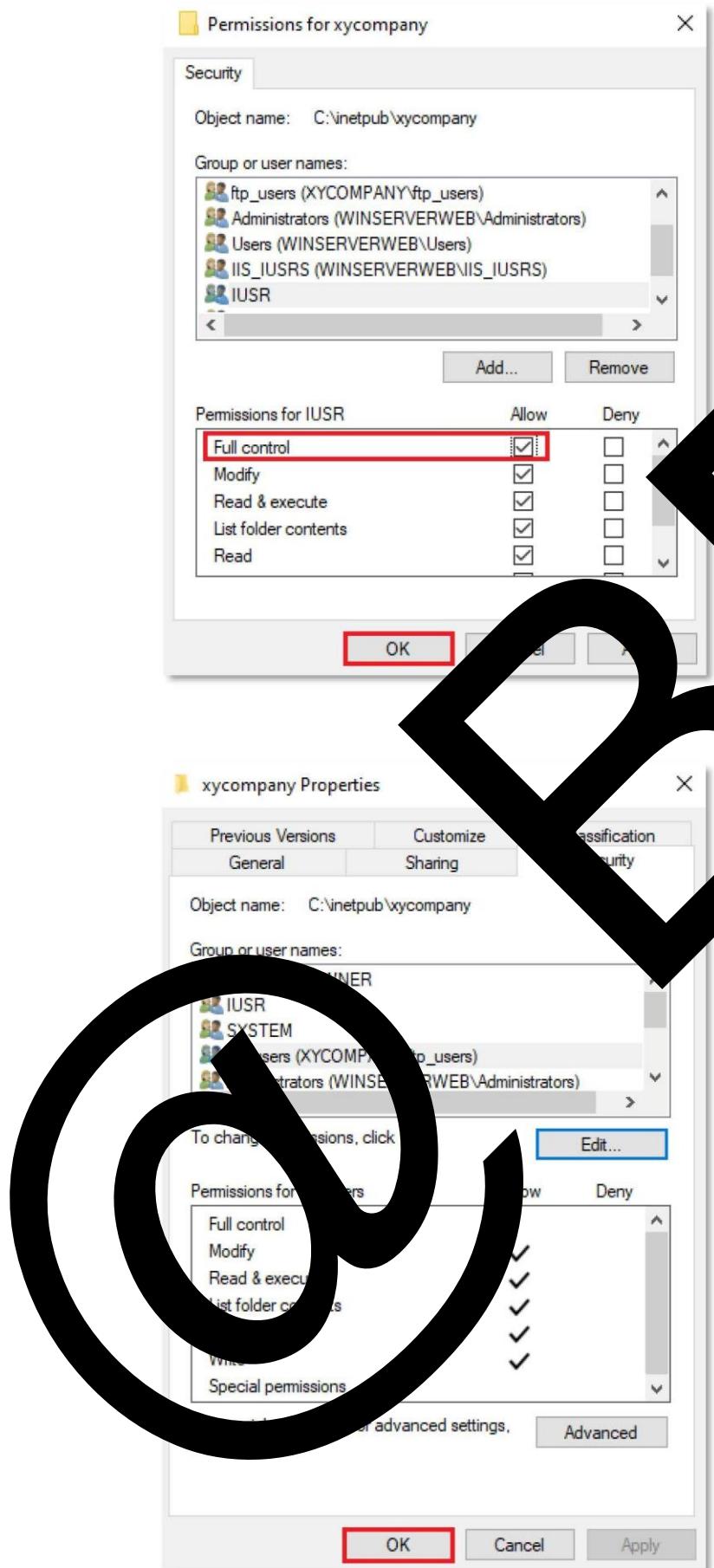
WINSERVERWEB\IIS_IUSRS



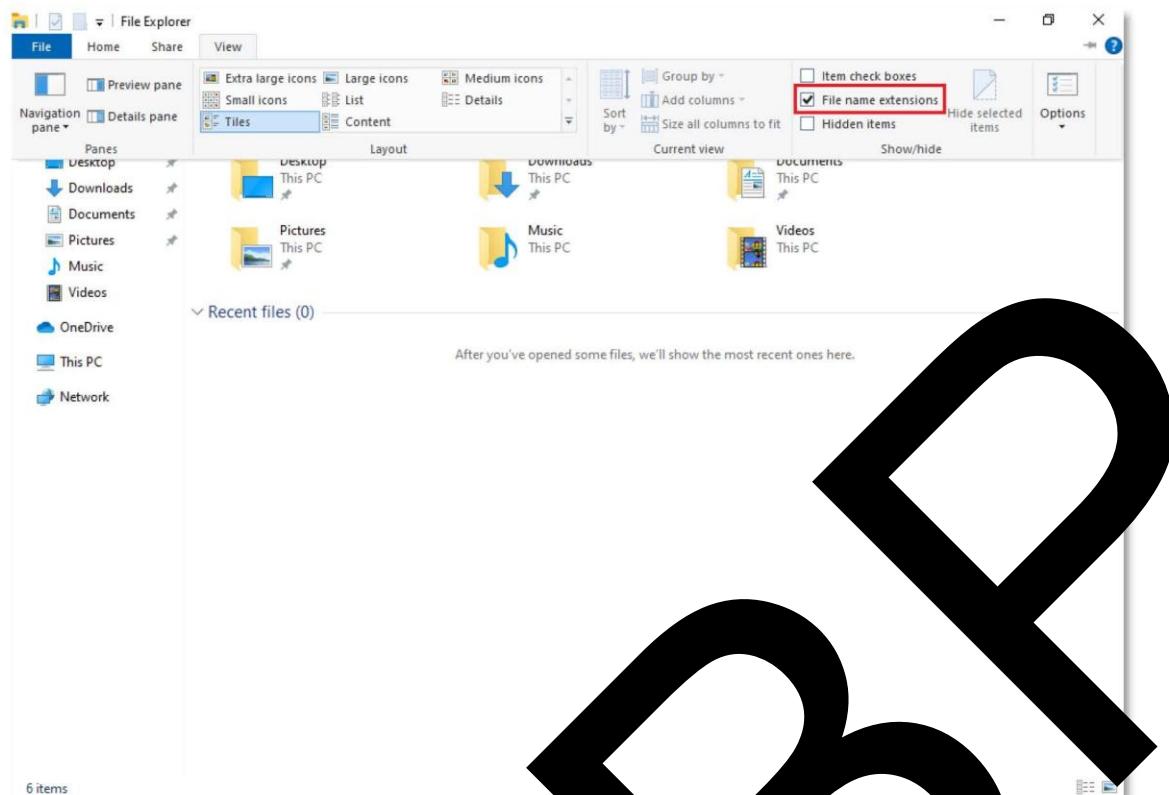




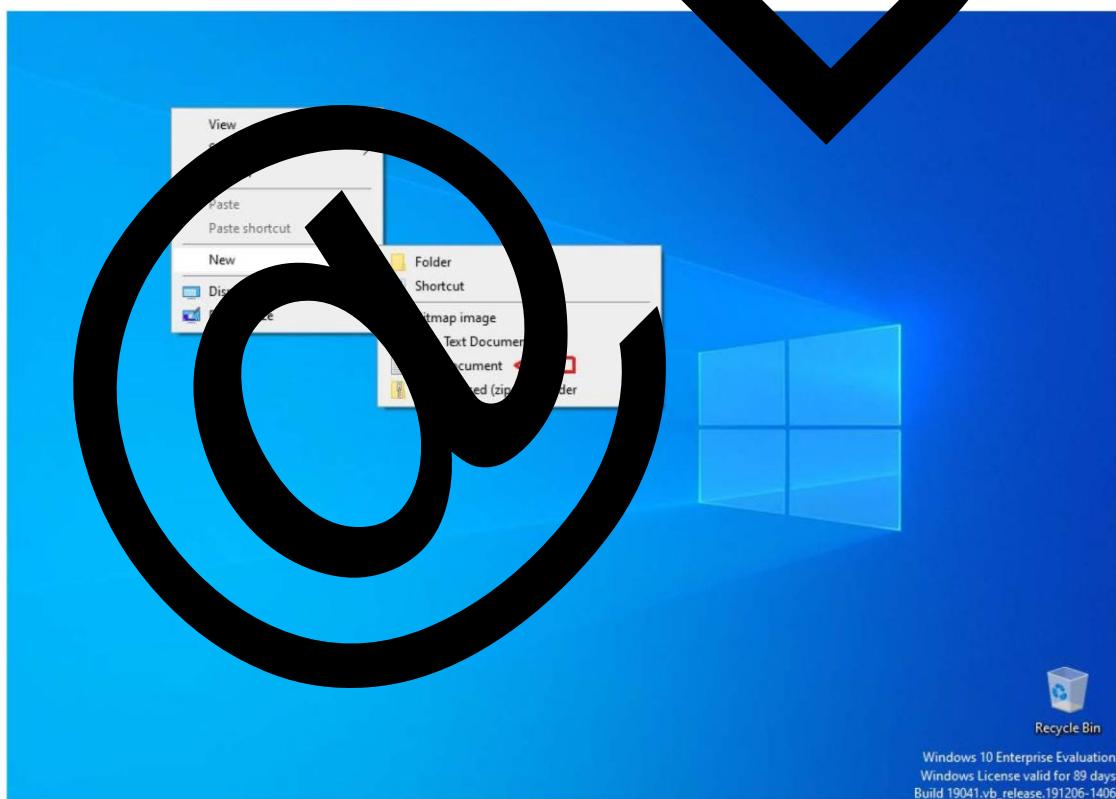




A Windows kliens gépen hozzunk létre egy egyszerű weboldalt:



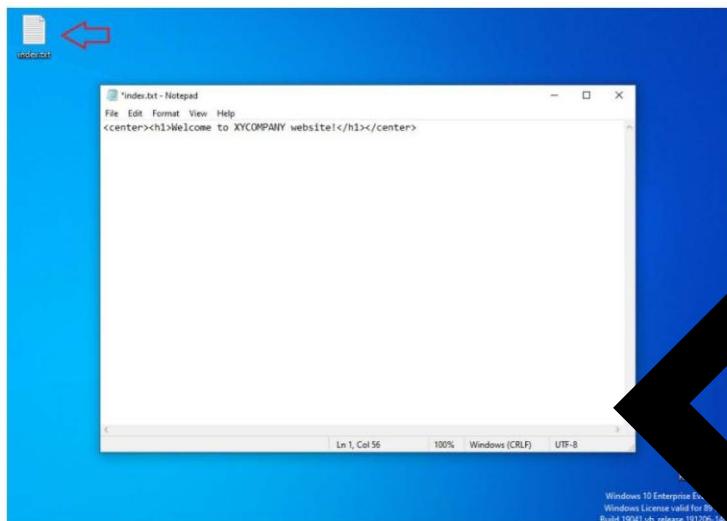
kapcsoljuk be a „File name extensions”-t” az Explorerben



hozzunk létre egy szöveges fájlt „index.txt” néven a Windows kliens asztalán

Nyissuk meg a fájlt és az alábbi tartalmat másoljuk bele:

```
<center><h1>Welcome to XYCOMPANY website!</h1></center>
```



Mentsük a fájlt és lépjünk ki!

Nevezzük át a fájlt index.html-re!

WinSCP szoftver letöltése, konfigurálása, weboldal webszerverre másolása

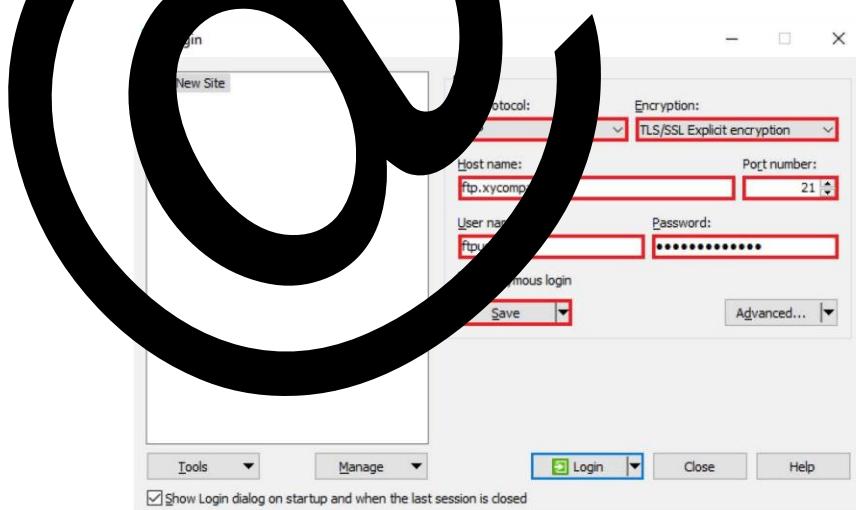
A winclient parancsorában (adminisztrátori jogosultságokkal) futunk ki a következő parancsot:

```
netsh advfirewall set global StatefulFTP disable
```

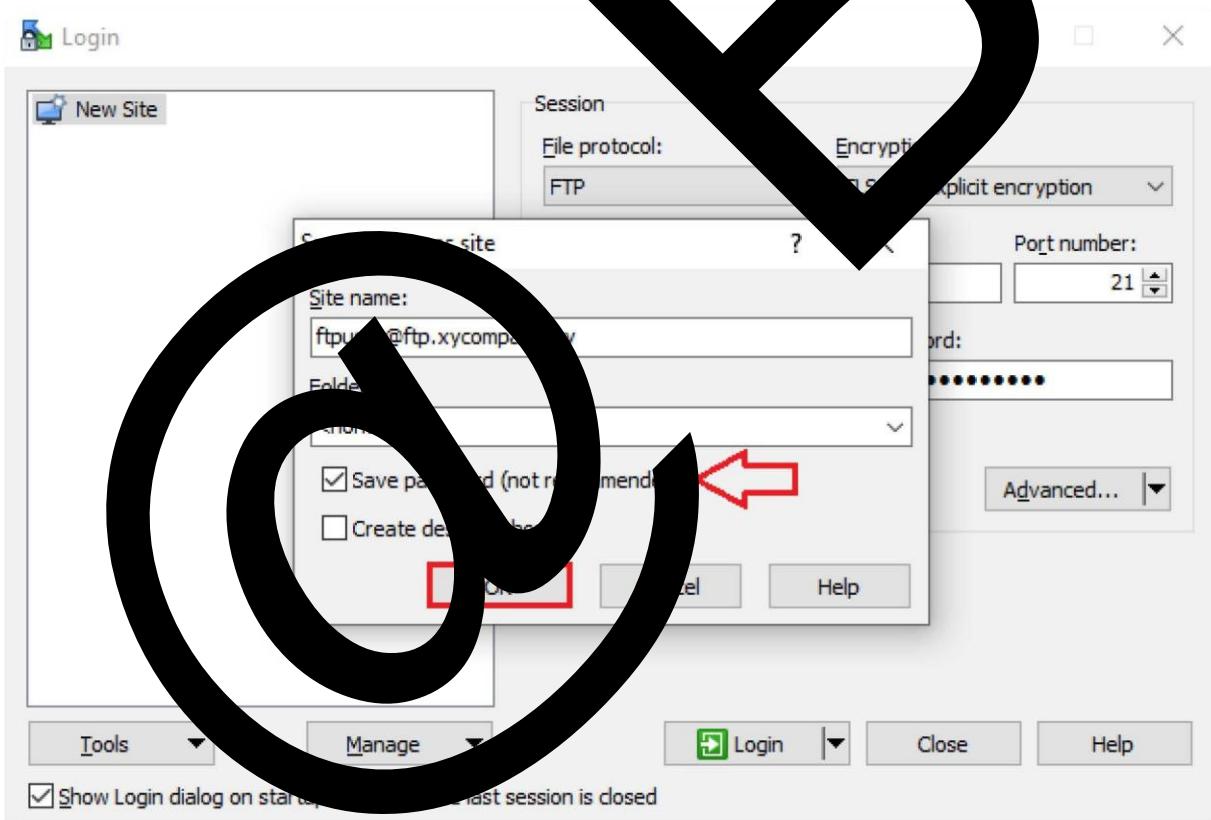
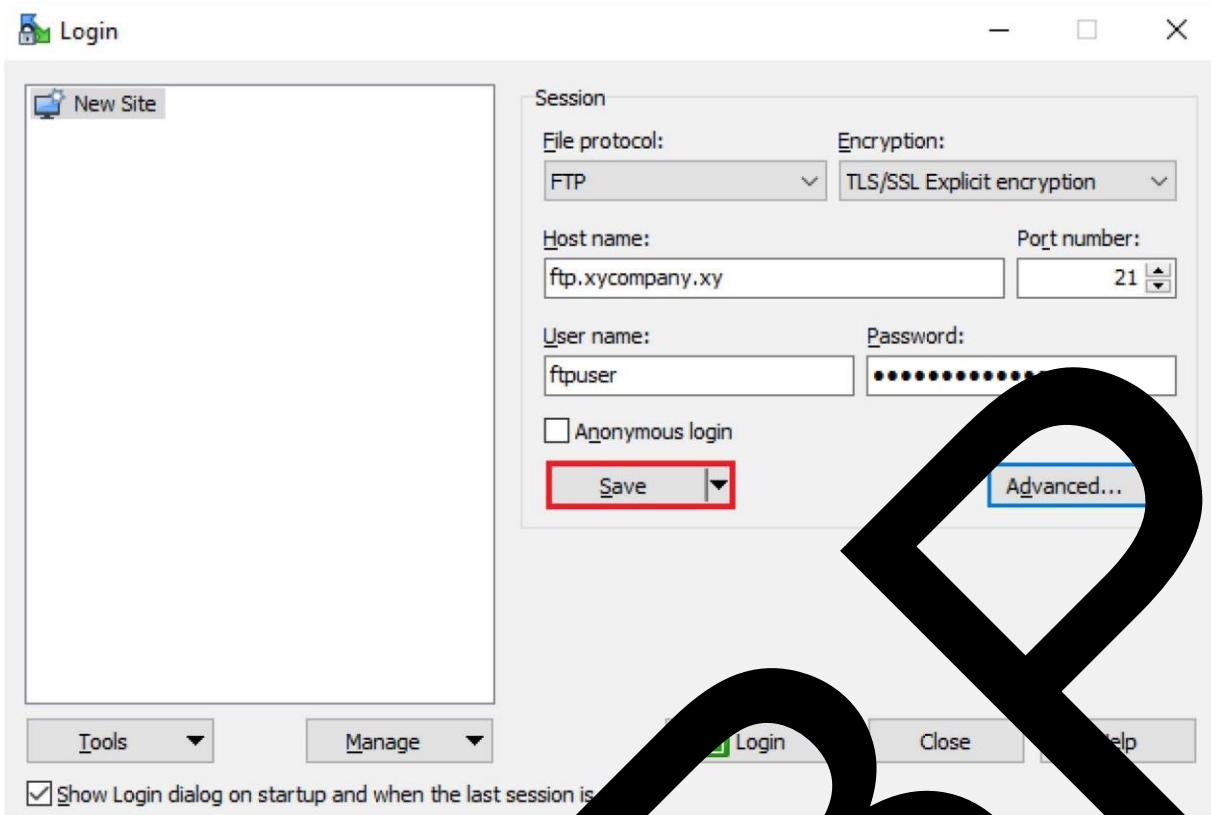
Töltsük le a WinSCP programot a hivatalos weboldalról és telepítésük!

<https://winscp.net/eng/download.php>

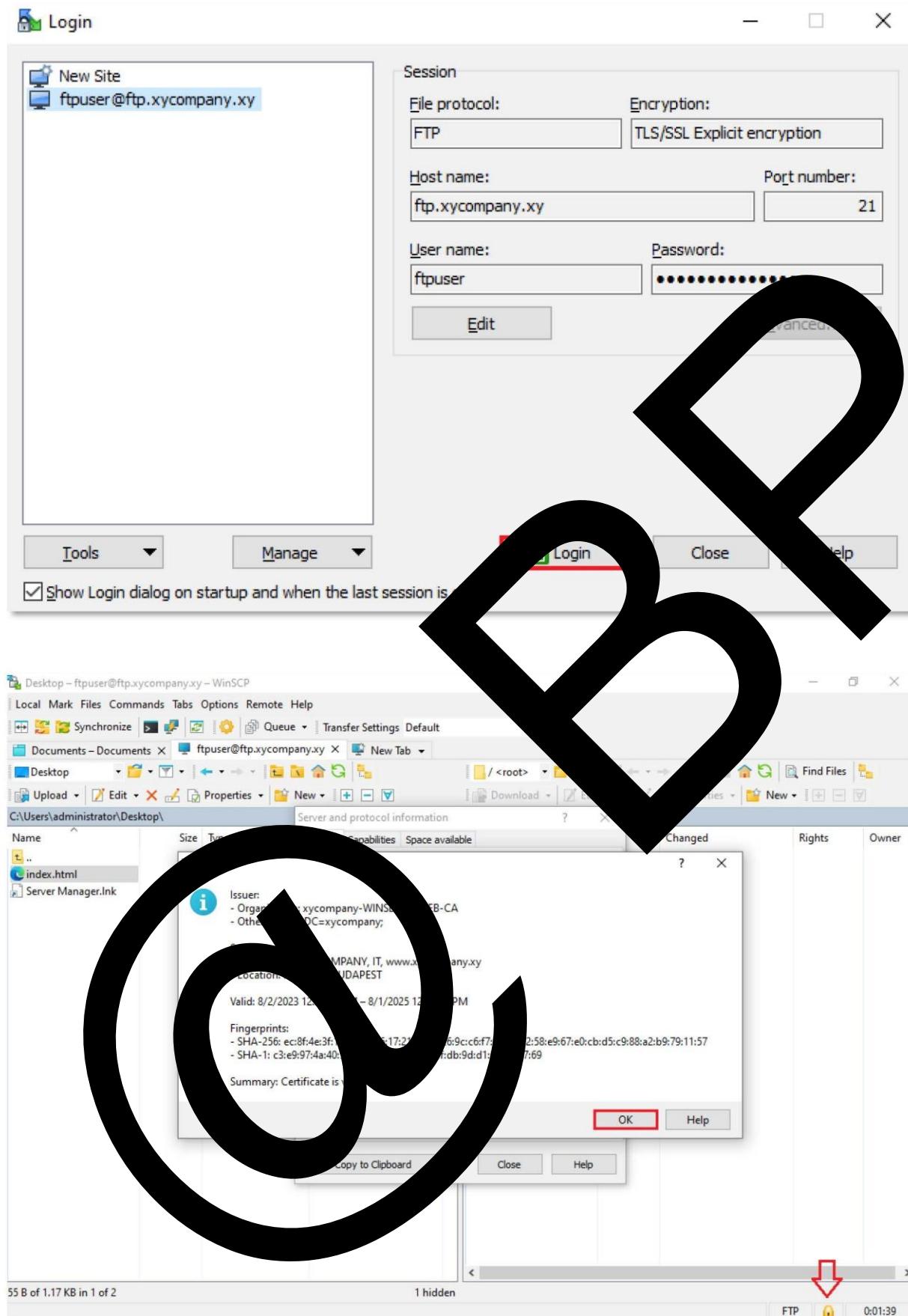
A telepítés után nyissuk meg a programot és konfiguráljuk az alábbiak szerint:



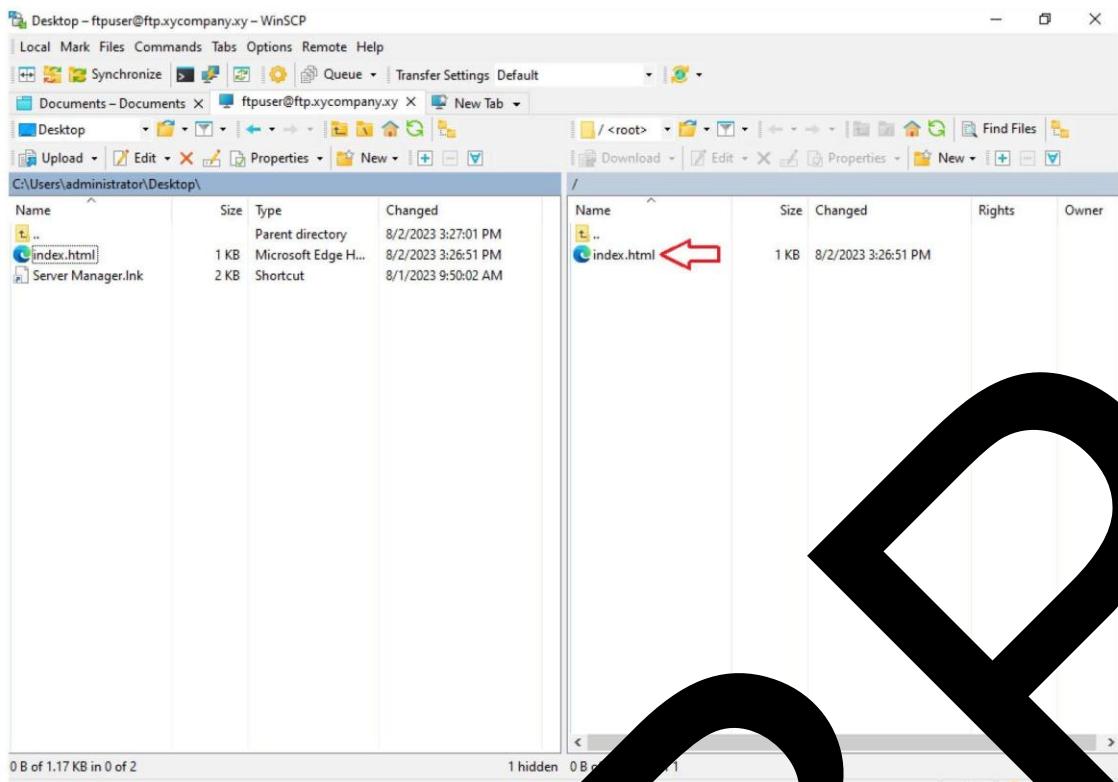
jelszó: #Dd123456789@



valós környezetben a jelszót nem ajánlott elmenteni

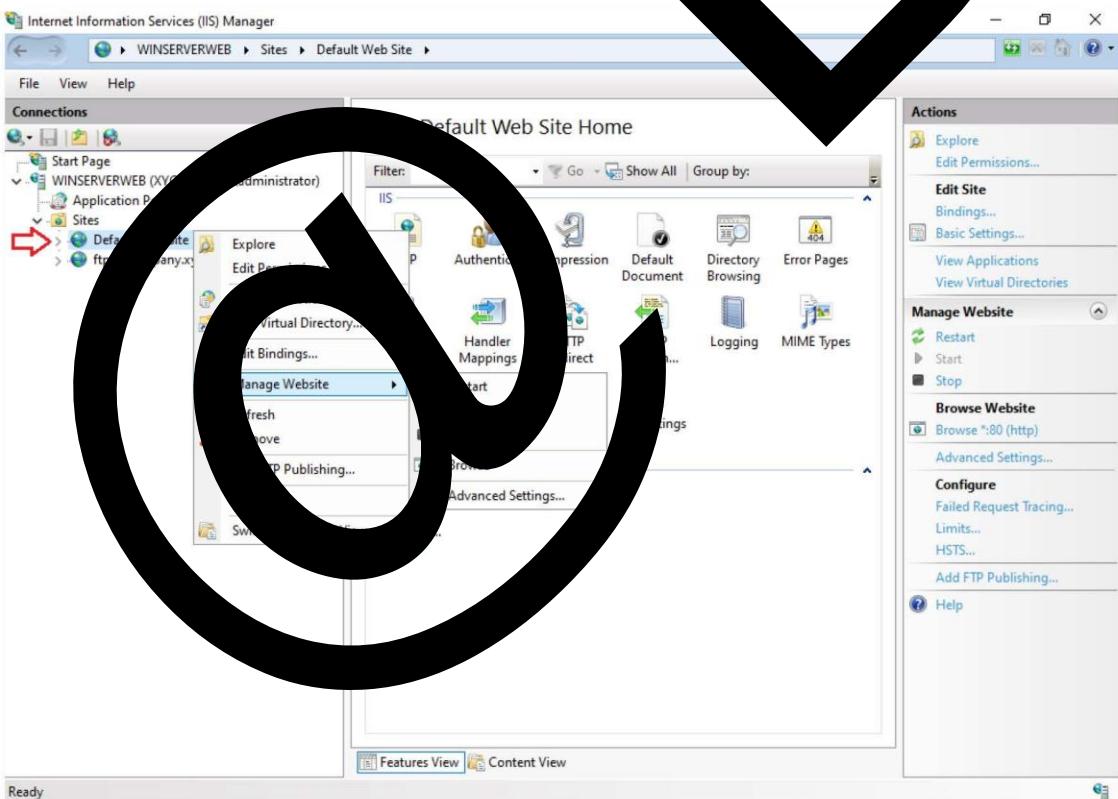


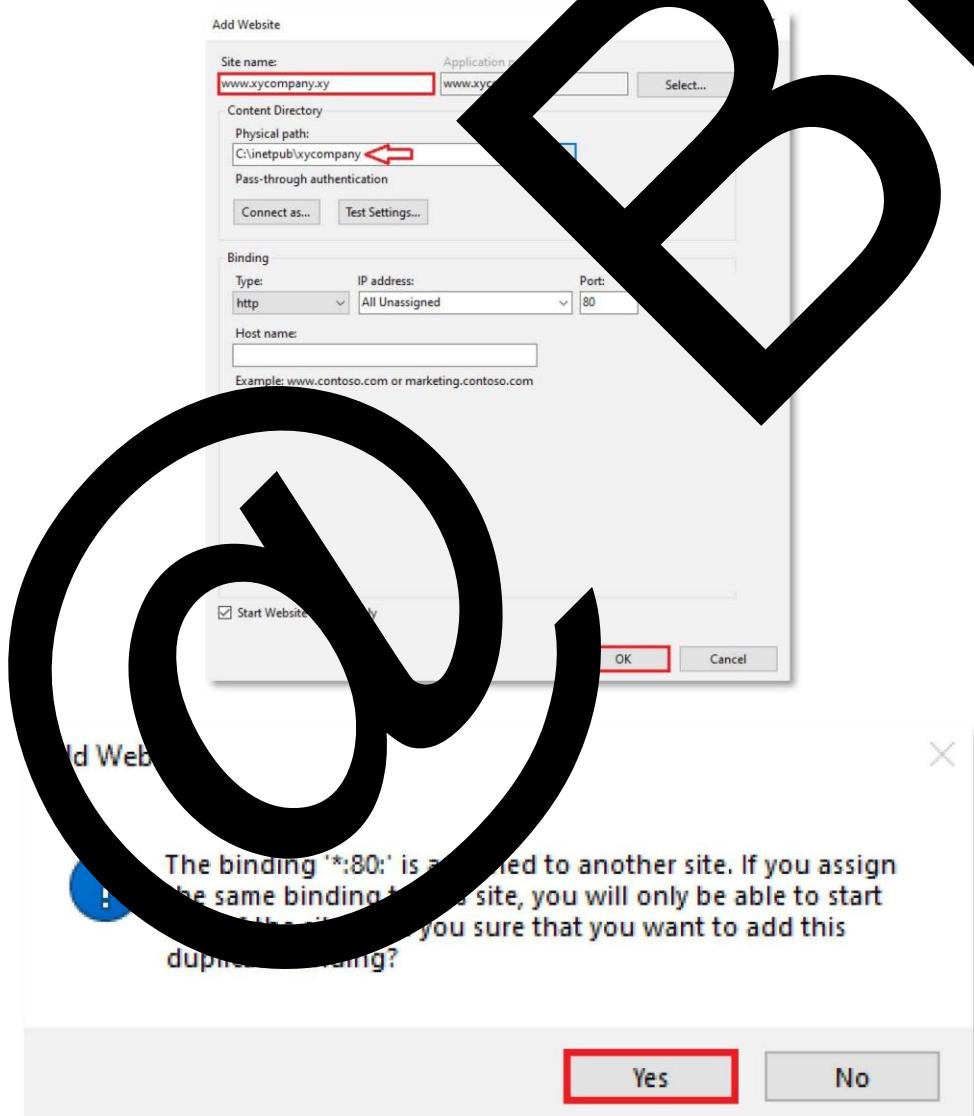
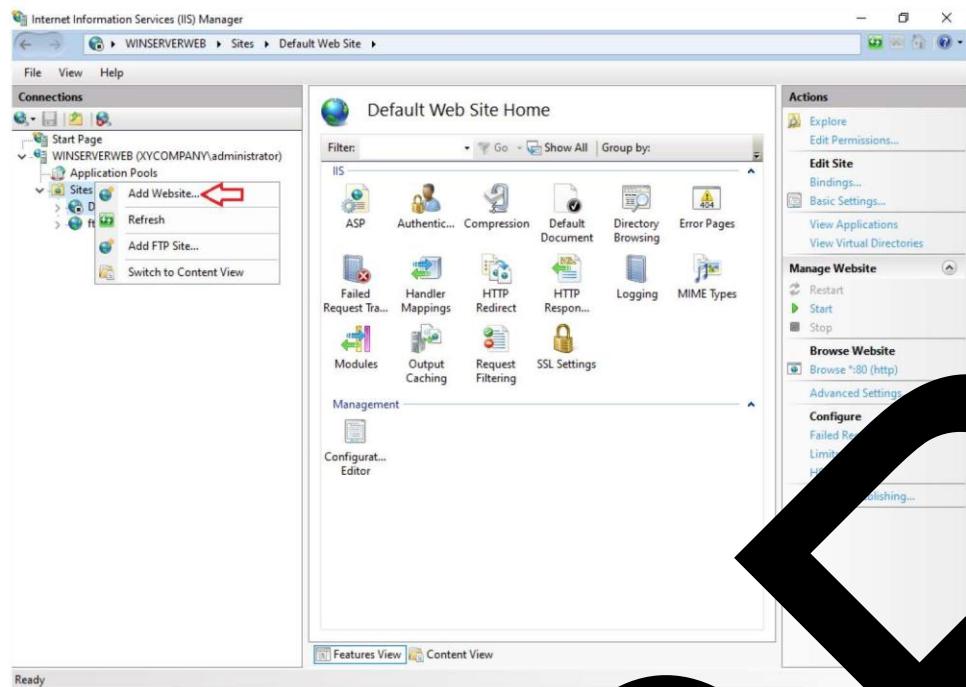
csatlakozás után a zárt lakatra kattintva megtekinthetjük az érvényes tanúsítványt

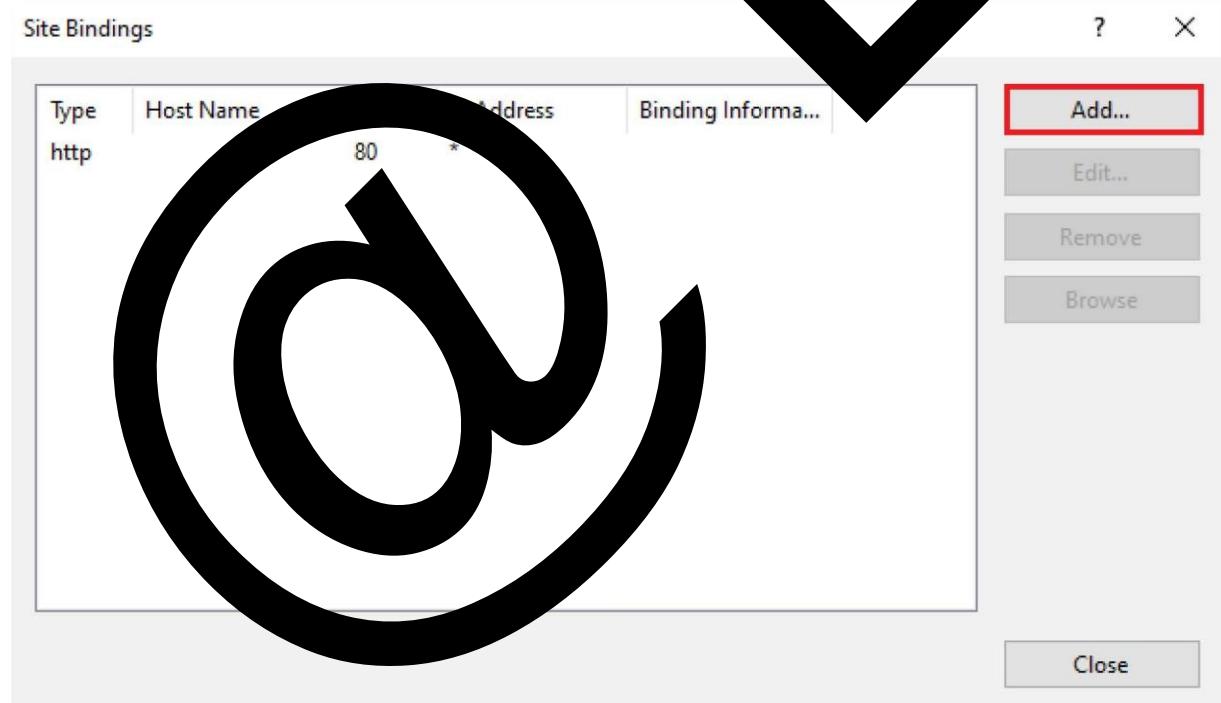
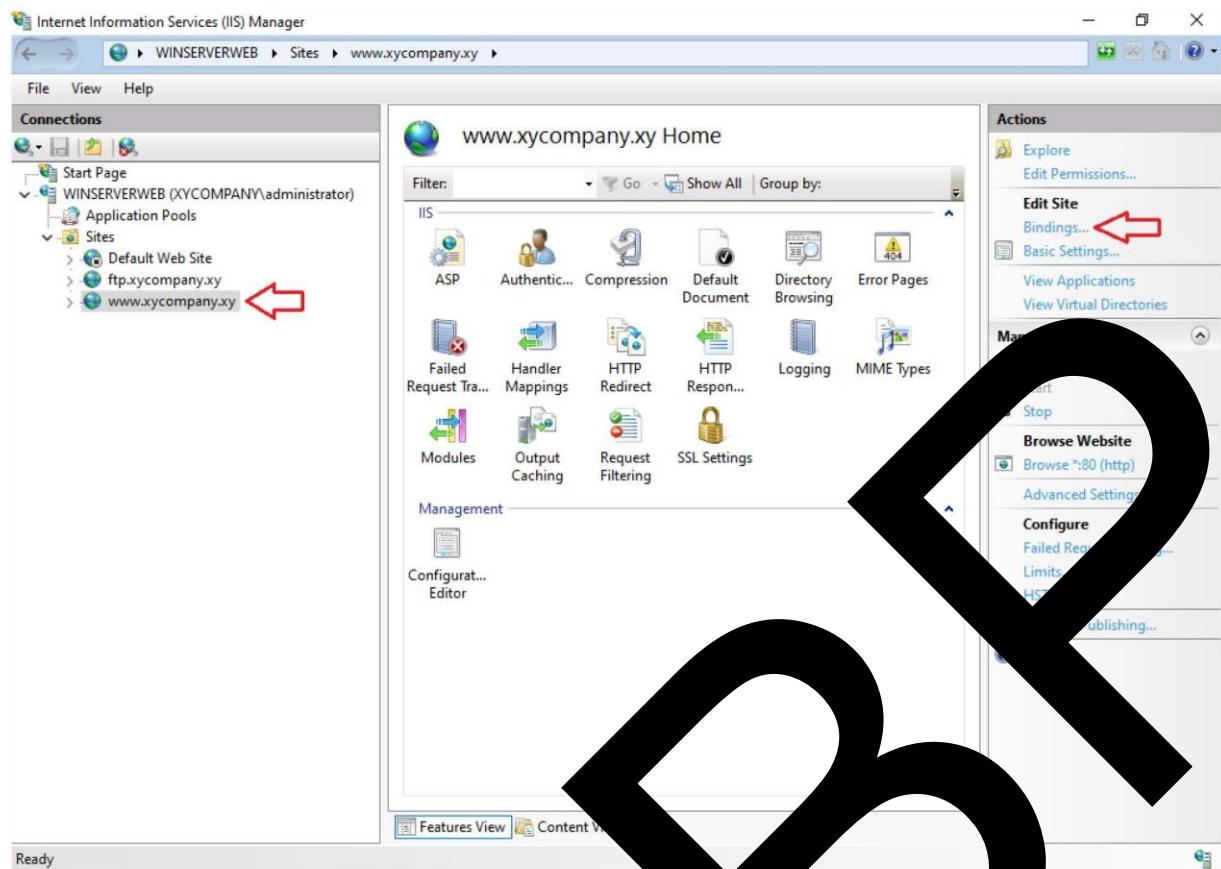


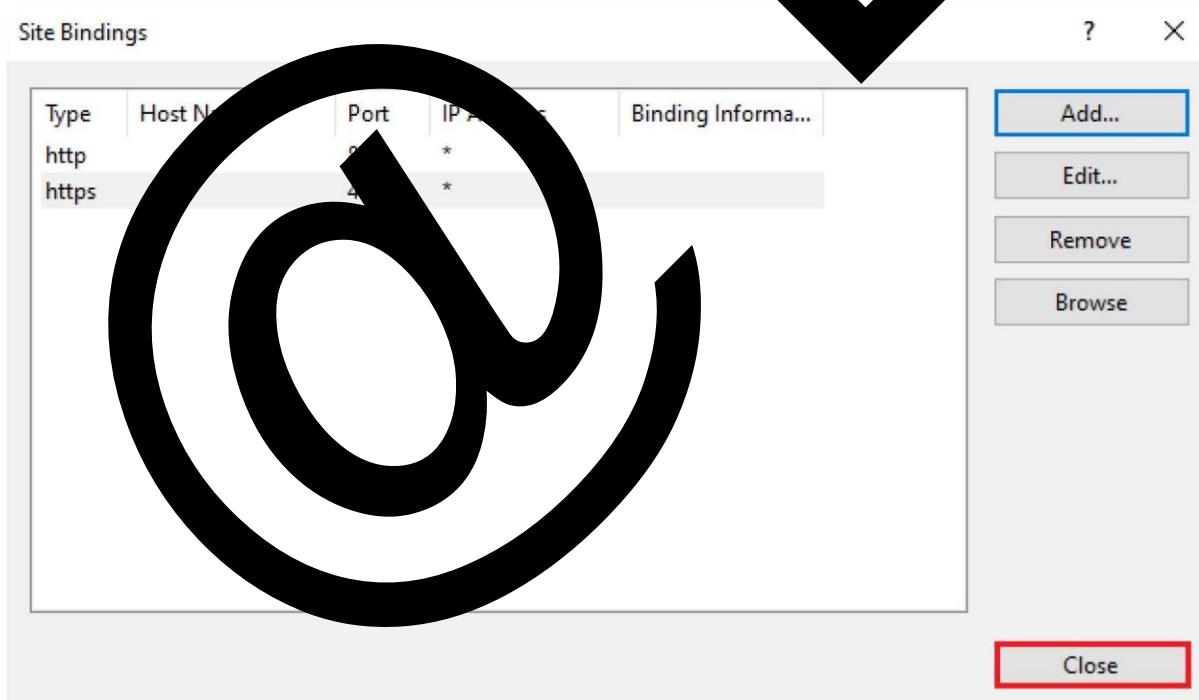
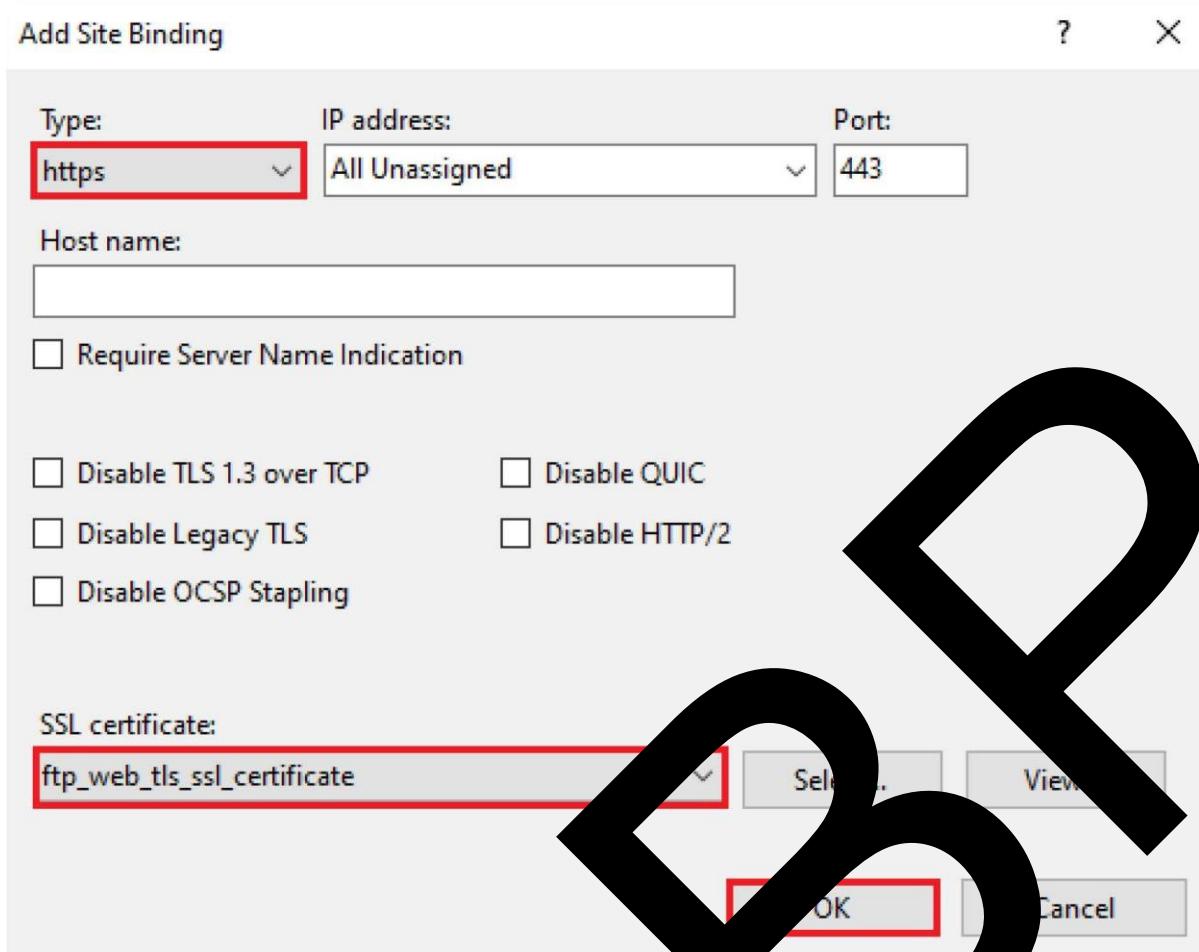
másoljuk át az index.html fájlt a szerverünkön lévő könyvtárba

Weboldal konfigurálása az IIS-ben:





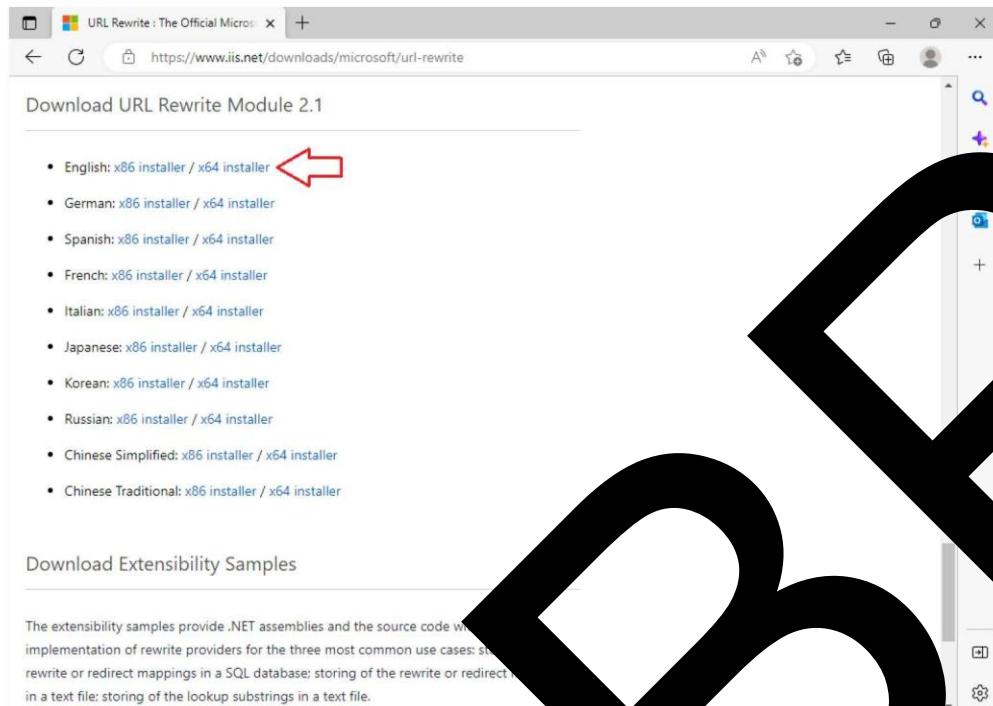




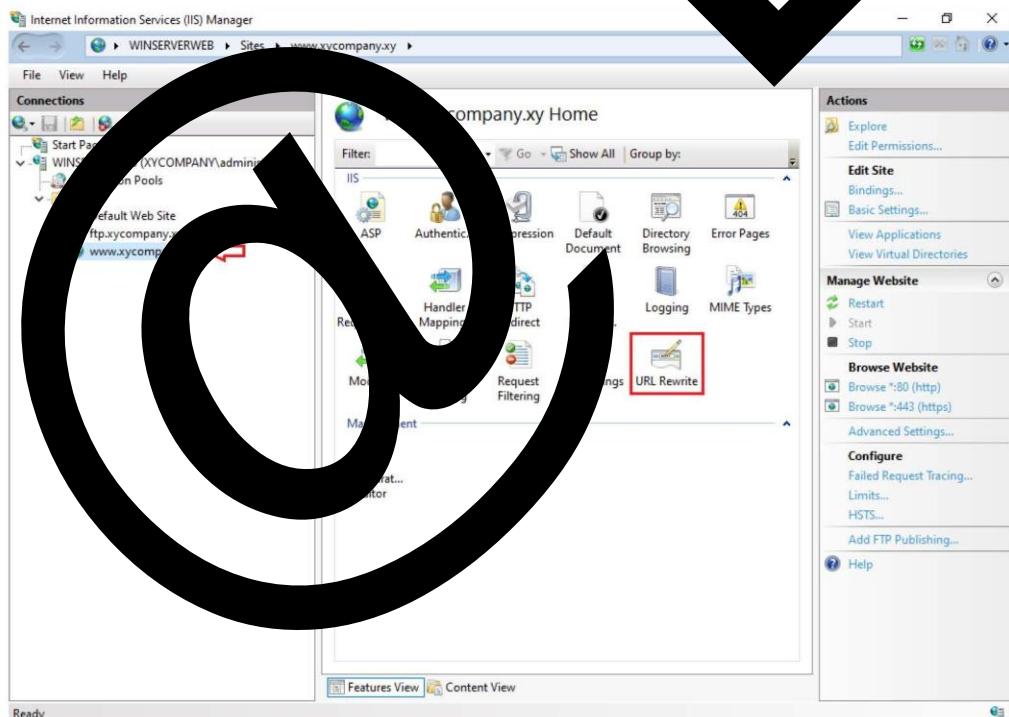
HTTP átirányítása HTTPS-re, WWW átirányítása „csupasz” domain névre:

Töltsük le és telepítsük a szükséges programot:

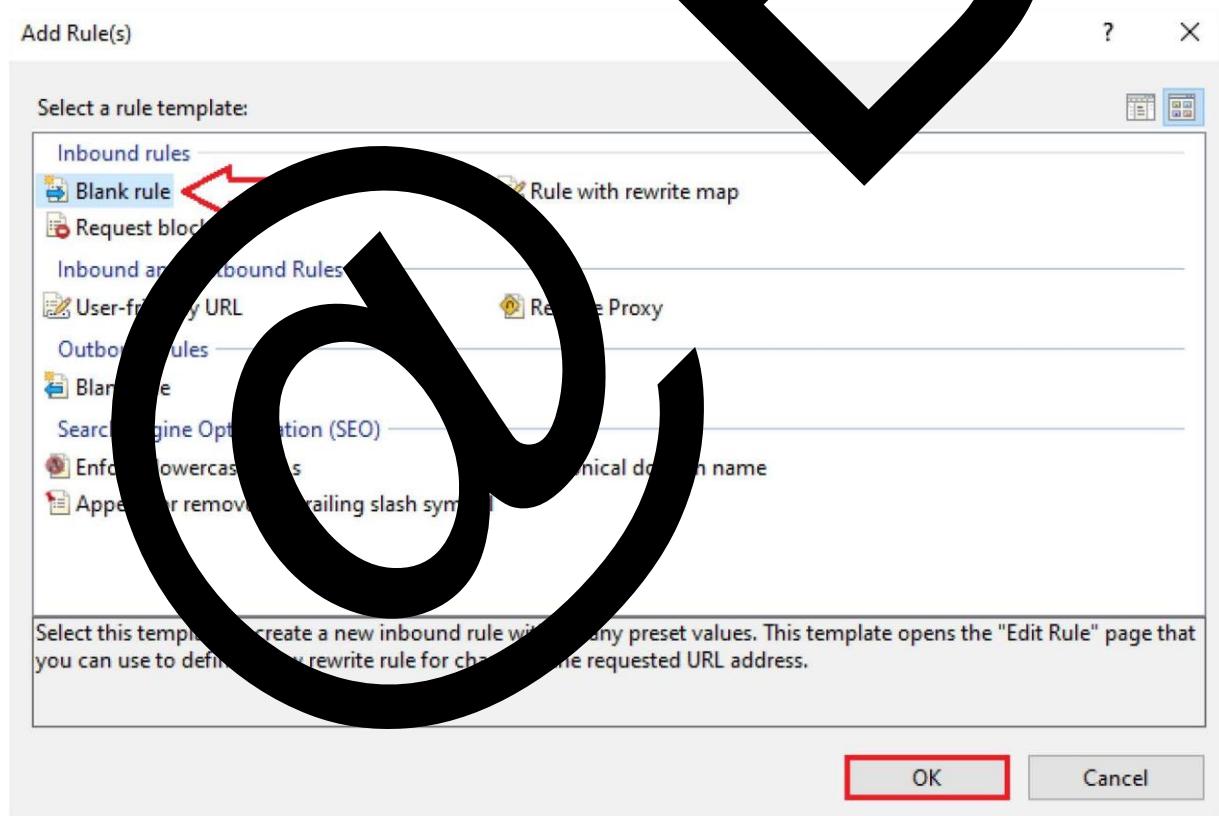
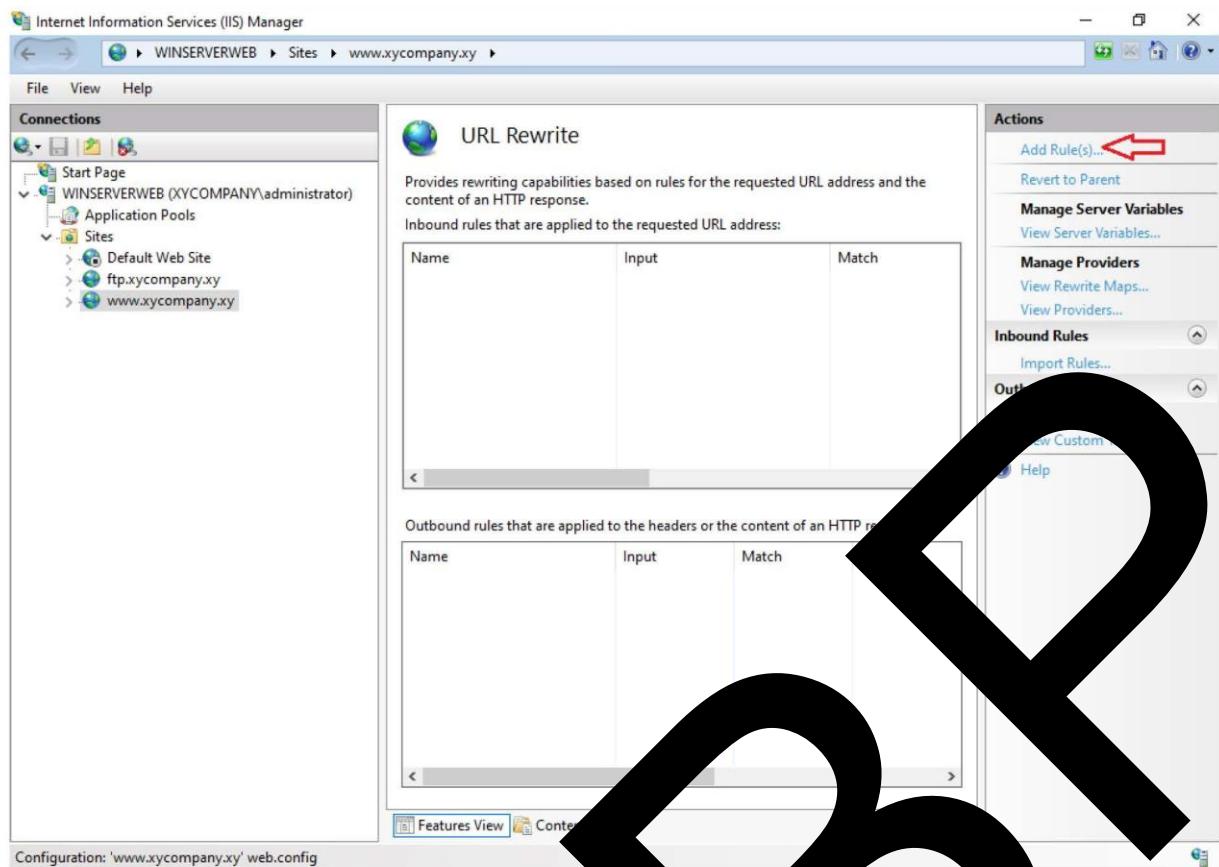
<https://www.iis.net/downloads/microsoft/url-rewrite>



Az URL Rewrite Modul telepítése után zártuk be az IIS Manager-t, majd indítsuk meg újra!



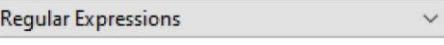
indítsuk el az URL Rewrite modult



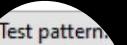
Edit Inbound Rule

Name: redirect_www_to_non_www_http_to_https 

Match URL

Requested URL: Matches the Pattern 

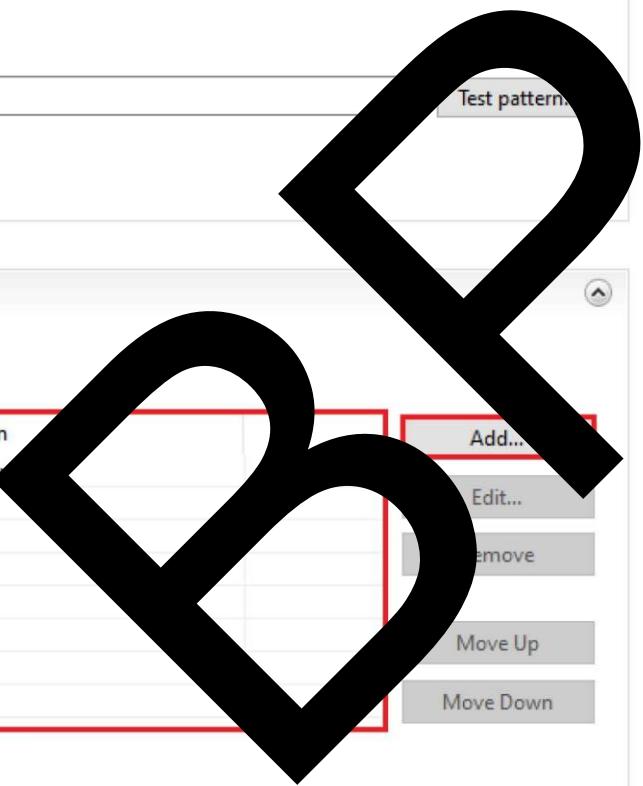
Pattern: 

Ignore case 

Conditions

Logical grouping: Match All

Input	Type	Pattern
{HTTP_HOST}	Matches the Pattern	^(www\.)?

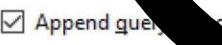


Track capture groups 

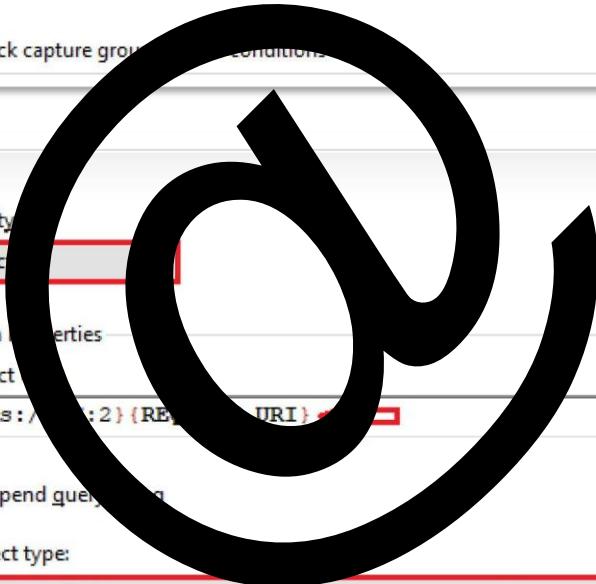
Action

Action type: Redirect 

Action properties: Redirect 

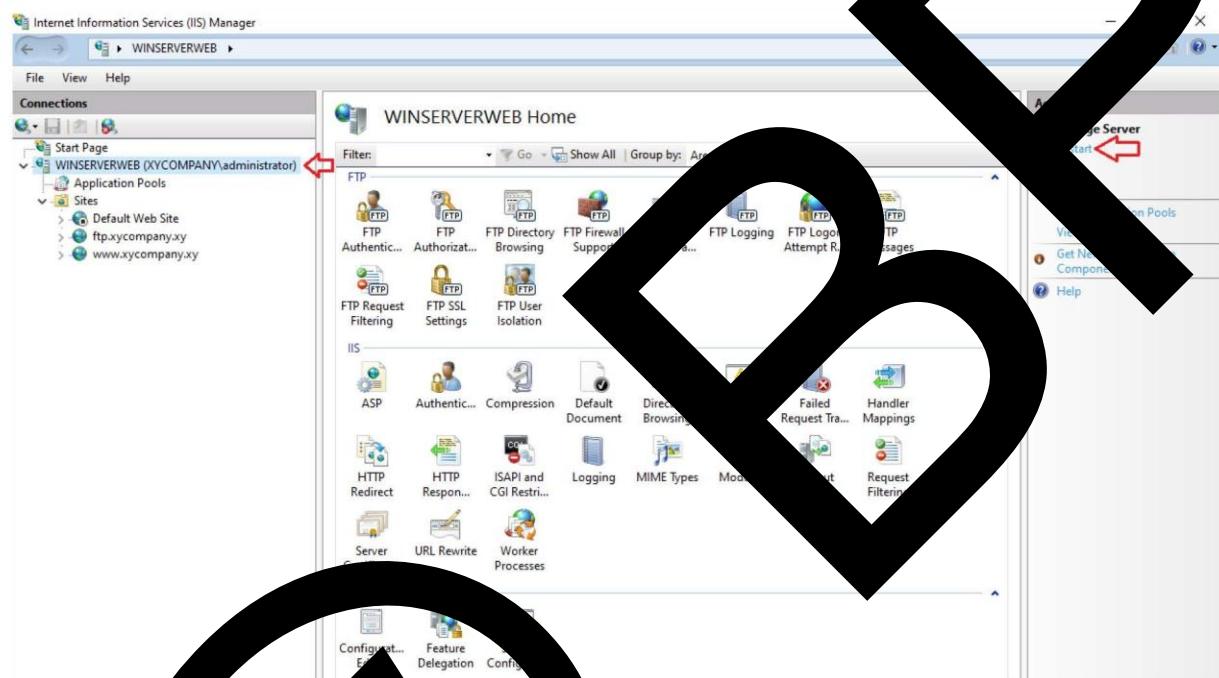
Append query string 

Redirect type: Permanent (301) 





Indítsuk újra a webszolgáltatásokat:



A Windows kliens számítógépen ny böngészőt és nyissuk meg a weboldalunkat:

<http://www.xycompany.xy>



ha a weboldal nem jelenne meg előre, indítsuk újra a kliens virtuális gépet