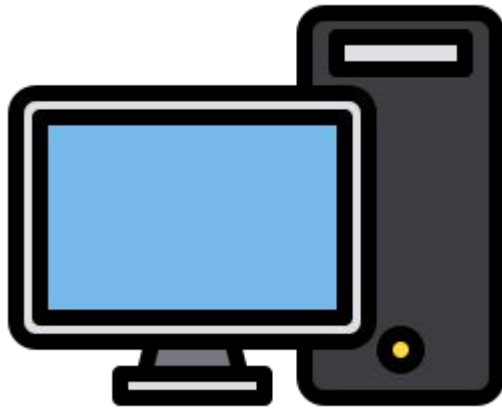


Informatika, 2. maila

Ekipoak

WindowsClient



NAT network



WindowsServer



Ethernet adapter Ethernet:

```
Connection-specific DNS Suffix  . : 
Description . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
Physical Address. . . . . : 08-00-27-01-E9-53
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::8c77:d8f0:ee87:156%10(Preferred)
IPv4 Address. . . . . : 192.168.1.50(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.1.1
DHCPv6 IAID . . . . . : 235405351
DHCPv6 Client DUID. . . . . : 00-01-00-01-30-64-5C-CA-08-00-27-01-E9-53
DNS Servers . . . . . : 172.17.10.9
                          1.1.1.1
NetBIOS over Tcpip. . . . . : Enabled
```

Ethernet adapter Ethernet:

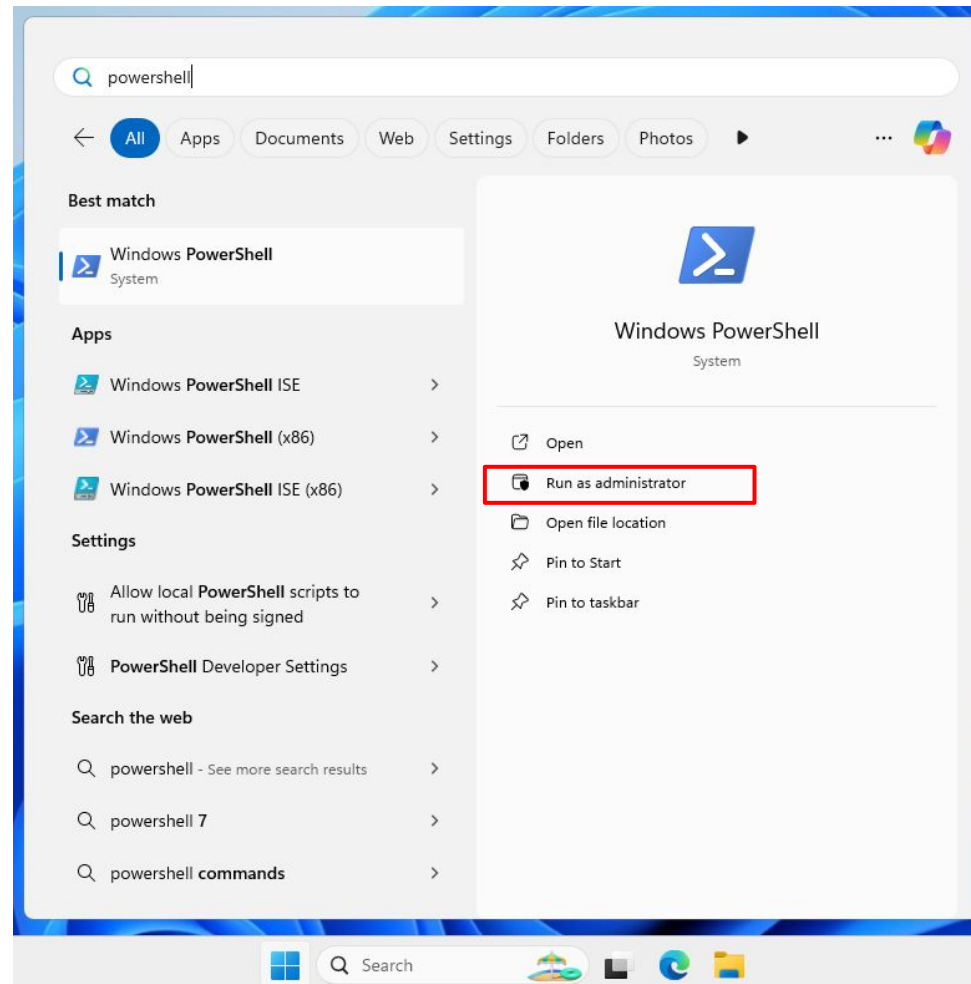
```
Connection-specific DNS Suffix  . : mondragon.edu
Description . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
Physical Address. . . . . : 08-00-27-F4-35-52
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::df5b:4f3a:2fd3:c80d%10(Preferred)
IPv4 Address. . . . . : 192.168.1.100(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.1.1
DHCPv6 IAID . . . . . : 101187623
DHCPv6 Client DUID. . . . . : 00-01-00-01-30-5D-00-B2-08-00-27-F4-35-52
DNS Servers . . . . . : ::1
                          127.0.0.1
NetBIOS over Tcpip. . . . . : Enabled
Connection-specific DNS Suffix Search List :
                                          mondragon.edu
                                          eps.mondragon.edu
```

- Aukezpen honetan, WindowsClient ordenagailua guk sortutako “enpresa.eus” domeinuan sartuko dugu.
- Honetarako bete behar diren baldintzak:
 1. WindowsClient ordenagailuaren DNS-a zerbitzariaren IP helbidea izatea.
 2. Ordenagailua domeinuan sartzea.

1

DNS konfigurazioa

- PowerShell administratzaile bezala exekutatu WindowsClient ordenagailuan:



- **WindowsClient ordenagailuan DNS-a WindowsServer zerbitzariaren IP helbidea ipini.**
 - Gogoratu AD instalatzerako orduan, DNS zerbitzua ere instalatzea beharrezkoa zela.

```
Set-DnsClientServerAddress -InterfaceAlias "Ethernet" -ServerAddresses "192.168.1.100"
```

Windows IP Configuration

```
Host Name . . . . . : client
Primary Dns Suffix . . . . . :
Node Type . . . . . : Hybrid
IP Routing Enabled. . . . . : No
WINS Proxy Enabled. . . . . : No
```

Ethernet adapter Ethernet:

```
Connection-specific DNS Suffix . :
Description . . . . . : Intel(R) PRO/1000 MT Desktop Adapter
Physical Address. . . . . : 08-00-27-01-E9-53
DHCP Enabled. . . . . : No
Autoconfiguration Enabled . . . . : Yes
Link-local IPv6 Address . . . . . : fe80::8c77:d8f0:ee87:156%10(Preferred)
IPv4 Address. . . . . : 192.168.1.50(Preferred)
Subnet Mask . . . . . : 255.255.255.0
Default Gateway . . . . . : 192.168.1.1
DHCPv6 IAID . . . . . : 235405351
DHCPv6 Client DUID. . . . . : 00-01-00-01-30-64-5C-CA-08-00-27-01-E9-53
DNS Servers . . . . . : 192.168.1.100
NetBIOS over Tcpip. . . . . : Enabled
```

IP assignment:	Manual	
IPv4 address:	192.168.1.50	Edit
IPv4 mask:	255.255.255.0	
IPv4 gateway:	192.168.1.1	

DNS server assignment:	Manual	Edit
IPv4 DNS servers:	192.168.1.100 (Unencrypted)	

Aggregated link speed (Receive/Transmit):	1000/1000 (Mbps)	Copy
Link-local IPv6 address:	fe80::8c77:d8f0:ee87:156%10	
IPv4 address:	192.168.1.50	
IPv4 default gateway:	192.168.1.1	
IPv4 DNS servers:	192.168.1.100 (Unencrypted)	

- Konfigurazio honekin, “enpresa.eus”-era ping eginda erantzuna jasoko dugu.
 - Honekin, WindowsServer-eko DNS zerbitzariak ondo funtzionatzen duela egiaztatzen dugu.
 - Ping WindowsClient ordenagailutik egingo dugu ping.

```
PS C:\Users\User> ping enpresa.eus

Pinging enpresa.eus [192.168.1.100] with 32 bytes of data:
Reply from 192.168.1.100: bytes=32 time<1ms TTL=128
Reply from 192.168.1.100: bytes=32 time<1ms TTL=128
Reply from 192.168.1.100: bytes=32 time<1ms TTL=128
Reply from 192.168.1.100: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.1.100:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
PS C:\Users\User>
```

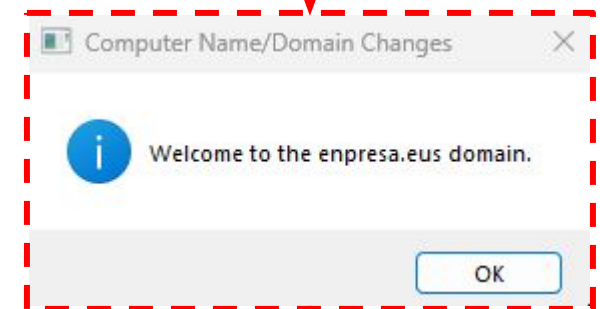
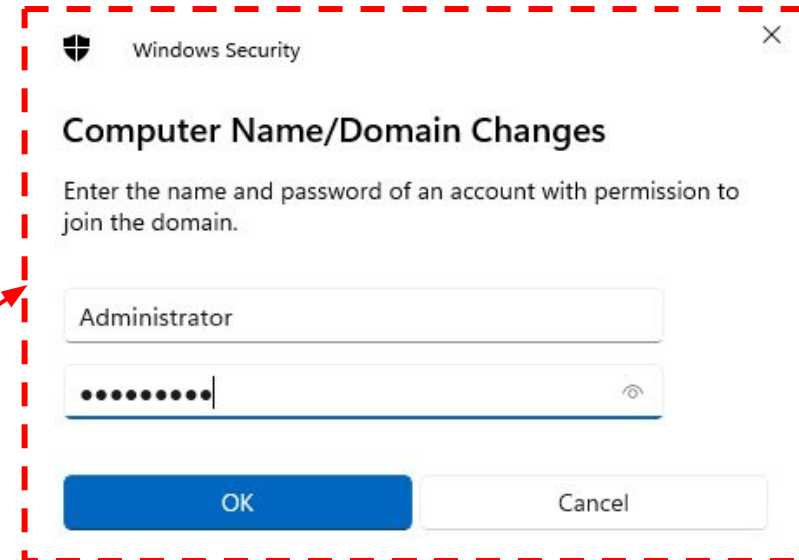
2

Ordenagailua domeinura sartzen

Ordenagailua domeinura sartzen

- GUI bitartez Windows 11 ordenagailua domeinura sartzeko:
 - Settings -> System -> About -> Domain or workgroup

Pasahitza:
Admin123*

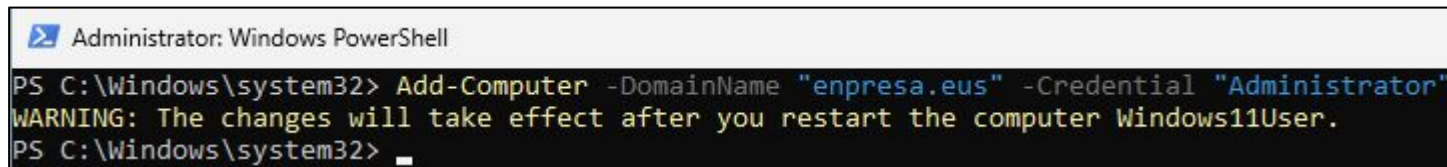


Ordenagailua berbiarazi.

Ordenagailua domeinura sartzen

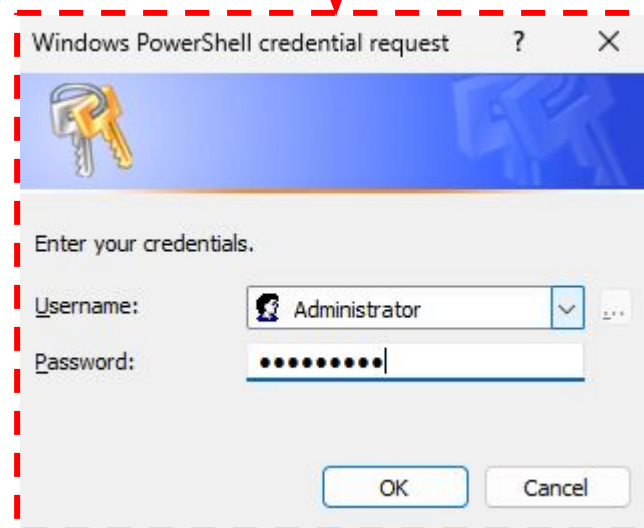
- PowerShell bitartez ordenagailua domeinura sartzeko:

```
Add-Computer -DomainName "enpresa.eus" -Credential "Administrator"
```



```
Administrator: Windows PowerShell
PS C:\Windows\system32> Add-Computer -DomainName "enpresa.eus" -Credential "Administrator"
WARNING: The changes will take effect after you restart the computer Windows11User.
PS C:\Windows\system32> _
```

*Administratzaile bezala exekutatu.

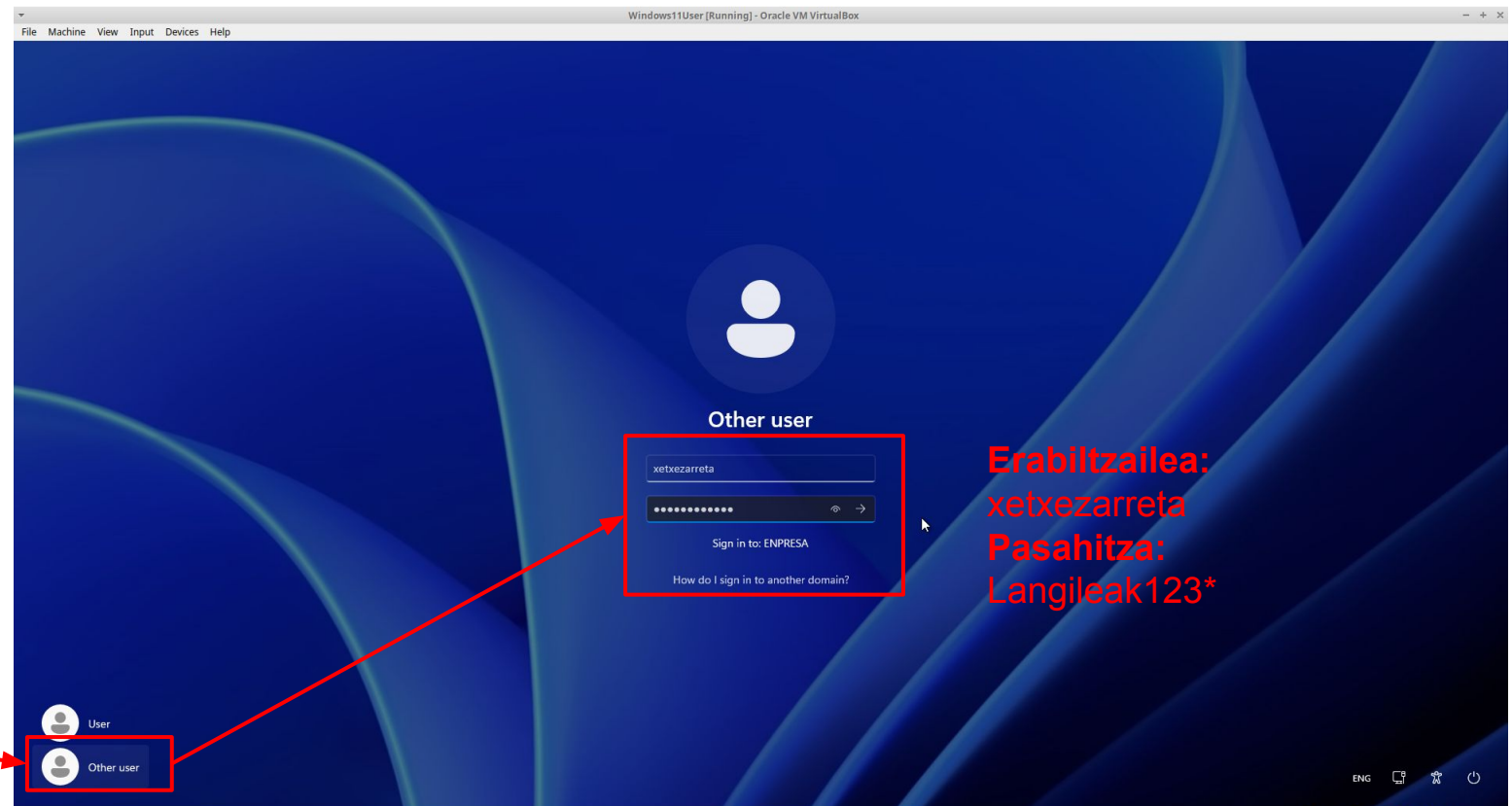
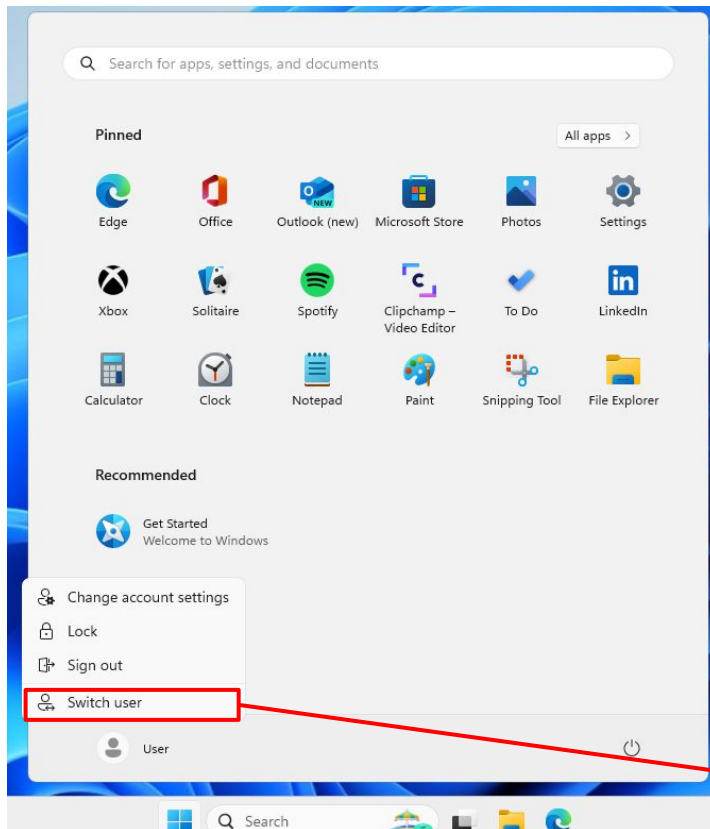


Pasahitza:
Admin123*

Ordenagailua berbiarazi.

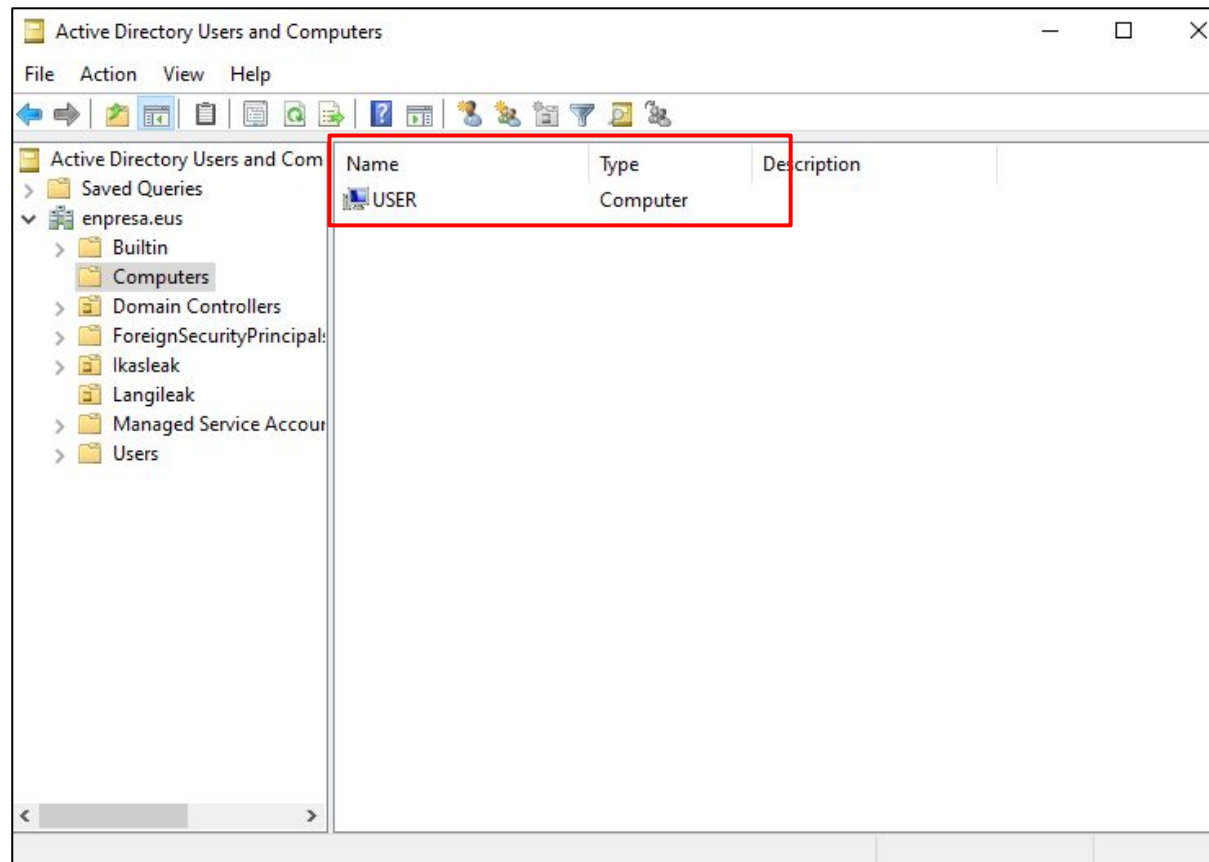
Ordenagailua domeinura sartzen

- Ordenagailua berbiaraztean, automatikoki hasten da sesioa.
 - “User” izeneneko erabiltzaile lokalarekin sesioa hasten bada, sesioa itxi zerbitzariko erabiltzaile batekin sesioa hasteko.
 - “Other user” aukeratzean, “Sign in to EMPRESA” agertzen da pantailan.
 - Hemen, gure domeinuan sortutako edozein erabiltzailerekin hasi dezakegu sesioa.



Ordenagailua domeinura sartzen

- WindowsServer zerbitzarian, gure WindowsClient ordenagailua agertuko da.
- Defektuz “Computers” izeneko karpetan agertzen da.
 - Hau ez da OU bat, karpeta bat baizik.
 - Ordenagailua momentu onetan root domeinu mailan dago.

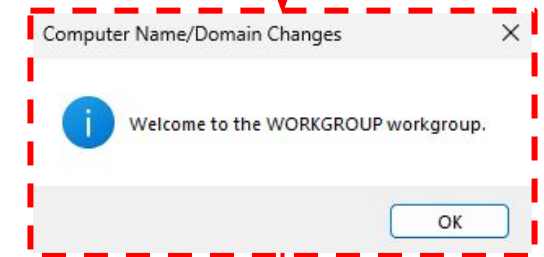
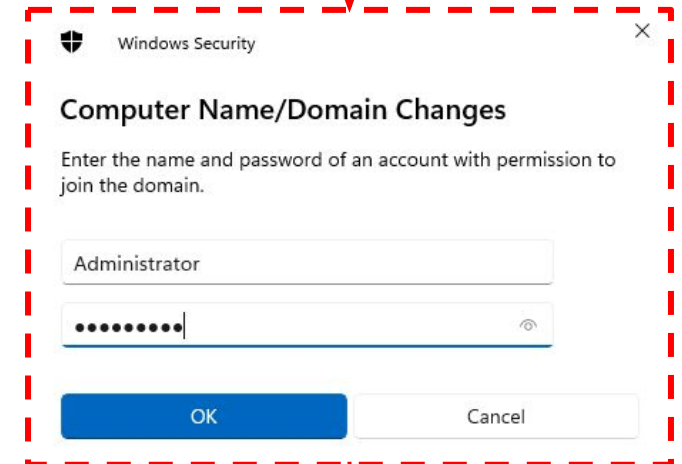
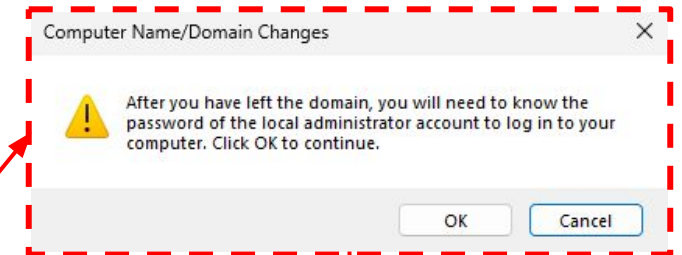
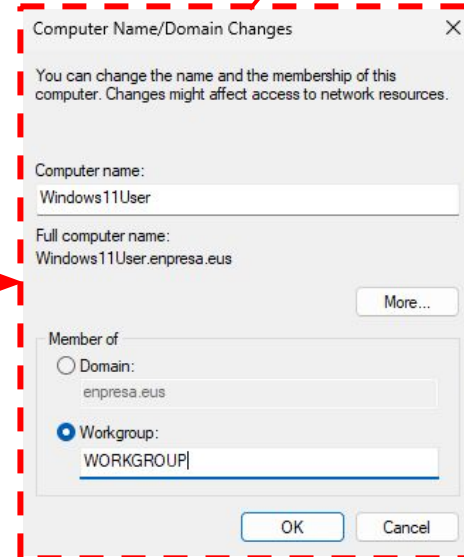
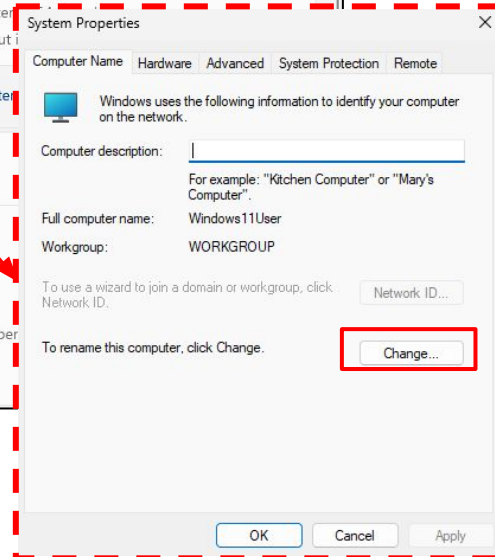
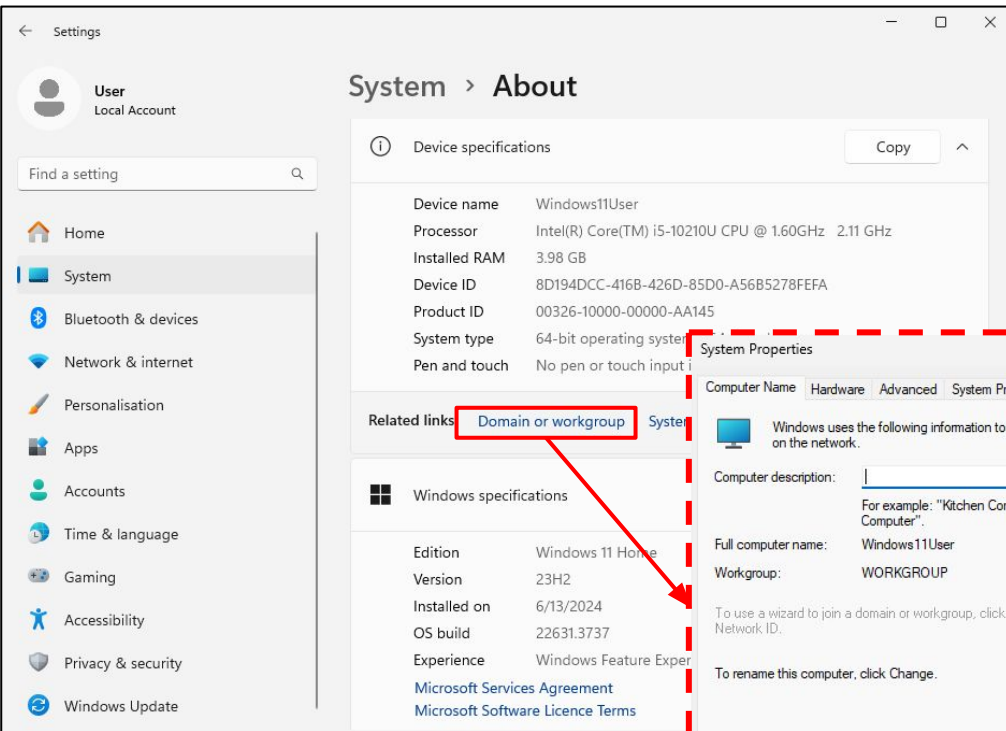


3

Ordenagailua domeinutik kentzen

Ordenagailua domeinutik kentzen

- GUI bitartez WindowsClient ordenagailua domeinutik kentzen:

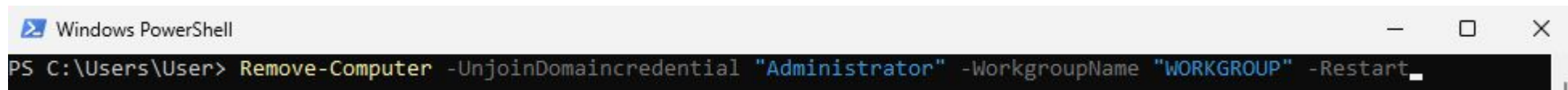


Ordenagailua berbiarazi.

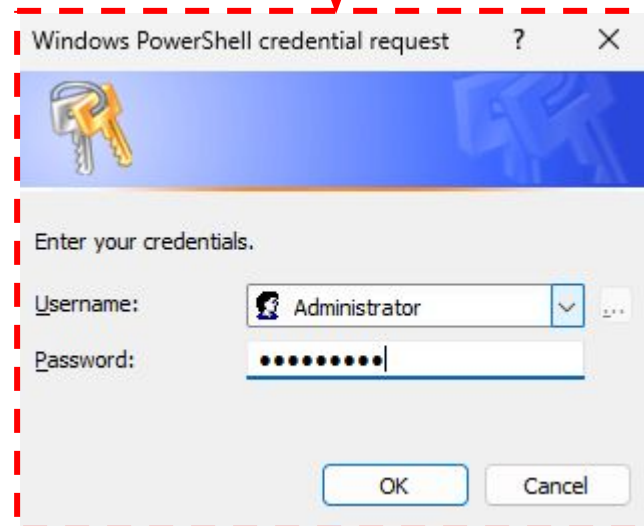
Ordenagailua domeinutik kentzen

- PowerShell bitartez WindowsClient ordenagailua domeinutik kentzen:

```
Remove-Computer -UnjoinDomaincredential "Administrator" -WorkgroupName "WORKGROUP" -Restart
```



*Administratzaile bezala
exekutatu.

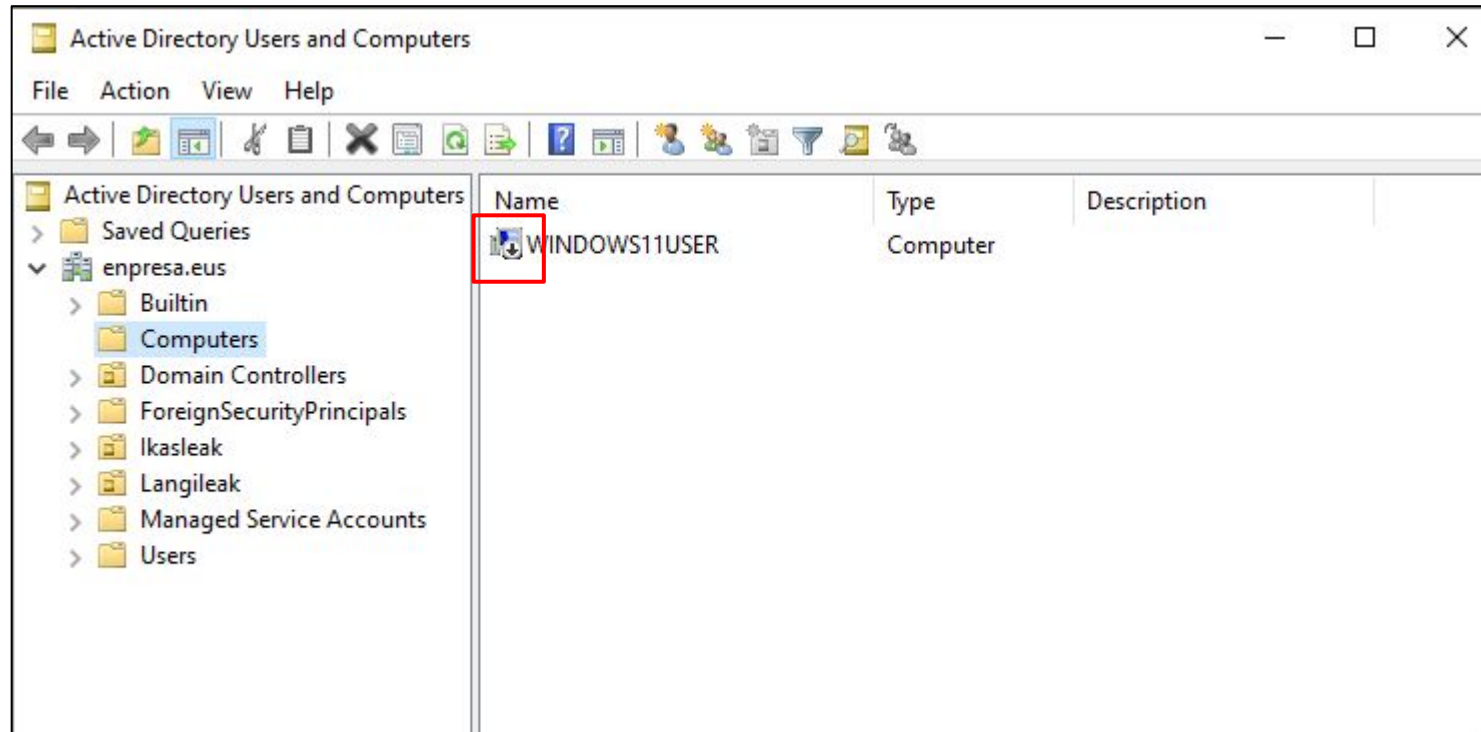


Pasahitza:
Admin123*

Ordenagailua berbiarazi.

Ordenagailua domeinutik kentzen

- Ordenagailua domeinutik kanpo dagoenean, WindowsServer erbitzarian horrela agertzen da.
 - Irudia aldatu egiten da.



Eskerrik asko

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