



Universidade Federal do Ceará (UFC) - Campus Quixadá
Programa Student to Business
Professor: Rafael Braga

1 - Comandos Básicos para Administração do Windows Server 2022

Configurações Básicas

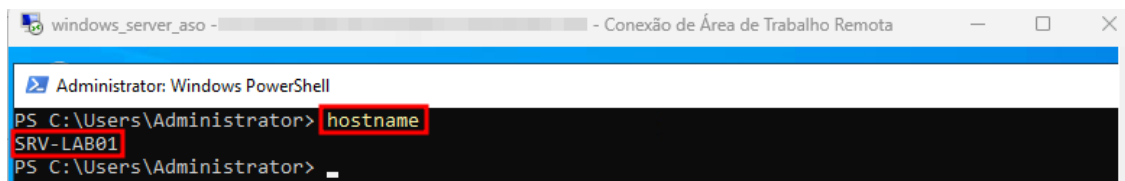
1.1 – Renomear o servidor

A screenshot of a remote session window titled "Conexão de Área de Trabalho Remota" showing a PowerShell terminal. The terminal window has a blue title bar and a black background. The text in the terminal includes the PowerShell prompt, copyright information, a link to update PowerShell, and a command to rename the computer. The command is highlighted with a red rectangle.

```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Administrator> Rename-Computer -NewName "SRV-LAB01" -Restart
```



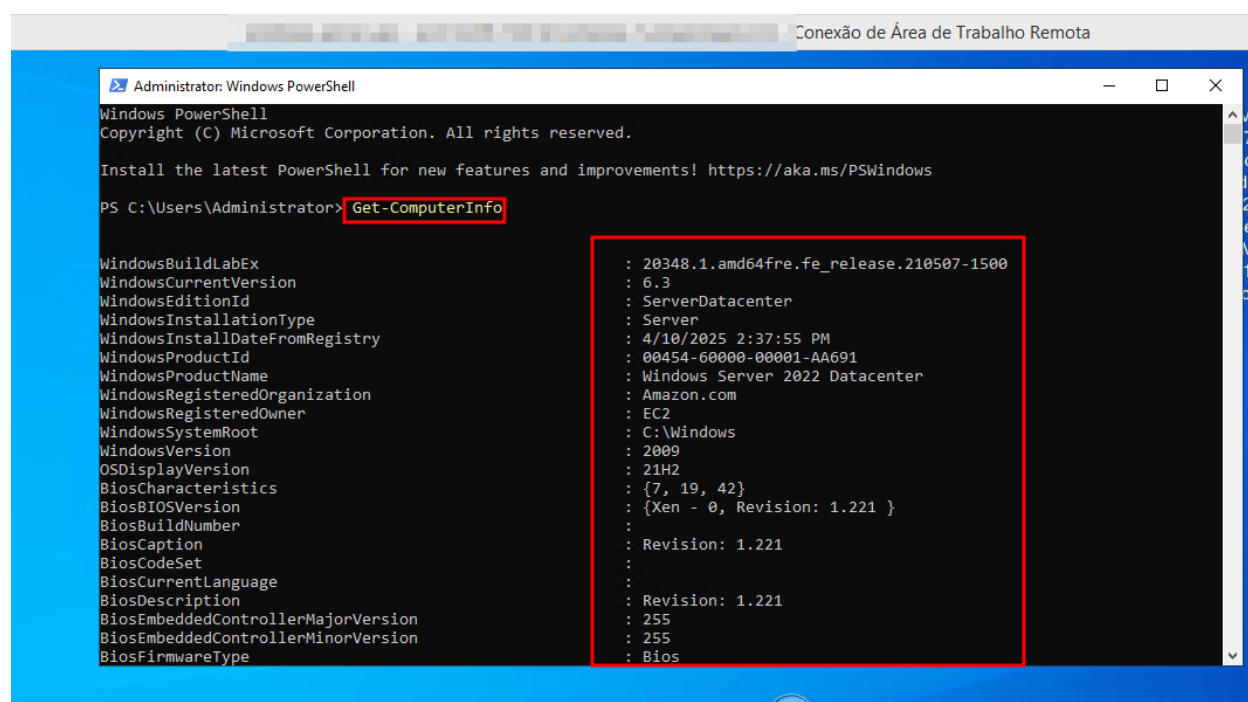
```
Administrator: Windows PowerShell
PS C:\Users\Administrator> hostname
SRV-LAB01
PS C:\Users\Administrator>
```

1.2 – Ativar o Windows (com chave de produto)

```
slmgr /ipk XXXXX-XXXXX-XXXXX-XXXXX-XXXXX
```

```
slmgr /ato
```

1.3 – Verificar informações do sistema



```
Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Administrator> Get-ComputerInfo

WindowsBuildLabEx           : 20348.1.amd64fre.fe_release.210507-1500
WindowsCurrentVersion       : 6.3
WindowsEditionId            : ServerDatacenter
WindowsInstallationType     : Server
WindowsInstallDateFromRegistry : 4/10/2025 2:37:55 PM
WindowsProductId            : 00454-60000-00001-AA691
WindowsProductName          : Windows Server 2022 Datacenter
WindowsRegisteredOrganization : Amazon.com
WindowsRegisteredOwner      : EC2
WindowsSystemRoot           : C:\Windows
WindowsVersion              : 2009
OSDisplayVersion            : 21H2
BiosCharacteristics          : {7, 19, 42}
BiosBIOSVersion              : {Xen - 0, Revision: 1.221 }
BiosBuildNumber              :
BiosCaption                  : Revision: 1.221
BiosCodeSet                  :
BiosCurrentLanguage          :
BiosDescription              : Revision: 1.221
BiosEmbeddedControllerMajorVersion : 255
BiosEmbeddedControllerMinorVersion : 255
BiosFirmwareType             : Bios
```

Parte 2 – Configurar rede e nome de domínio (simulado)

2.1 – Definir IP estático

```
New-NetIPAddress -InterfaceAlias "Ethernet" -IPAddress 192.168.1.10 -
PrefixLength 24 -DefaultGateway 192.168.1.1
```

```
Set-DnsClientServerAddress -InterfaceAlias "Ethernet" -ServerAddresses
8.8.8.8
```

Parte 3 – Gerenciar recursos e funções

3.1 – Listar recursos e funções instalados

```

PS C:\Users\Administrator> Get-WindowsFeature

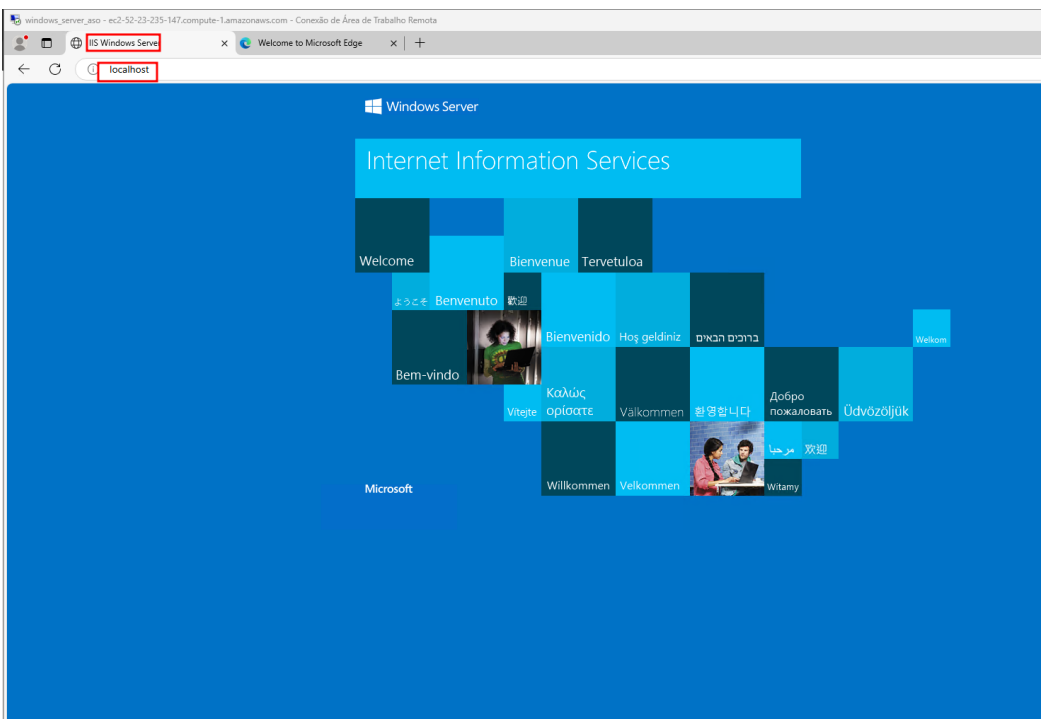
Display Name                                     Name                                Install State
-----
[ ] Active Directory Certificate Services         AD-Certificate                      Available
[ ] Certificate Authority                       AD-CS-Cert-Authority               Available
[ ] Certificate Enrollment Policy Web Service     AD-CS-Enroll-Web-Pol               Available
[ ] Certificate Enrollment Web Service           AD-CS-Enroll-Web-Svc               Available
[ ] Certificate Authority Web Enrollment          AD-CS-Web-Enrollment               Available
[ ] Network Device Enrollment Service            AD-CS-Device-Enrollment            Available
[ ] Online Responder                            AD-CS-Online-Cert                  Available
[ ] Active Directory Domain Services             AD-Domain-Services                 Available
[ ] Active Directory Federation Services          AD-FS-Federation                   Available
[ ] Active Directory Lightweight Directory Services AD-LDS                             Available
[ ] Active Directory Rights Management Services   ADRMS                              Available
[ ] Active Directory Rights Management Server     ADRMS-Server                       Available
[ ] Identity Federation Support                  ADRMS-Identity                     Available
[ ] Device Health Attestation                    DeviceHealthAttestat...             Available
[ ] DHCP Server                                 DHCP                               Available
[ ] DNS Server                                  DNS                                Available
[ ] Fax Server                                  Fax                                Available
[X] File and Storage Services                    FileAndStorage-Services             Installed
[ ] File and iSCSI Services                      File-Services                       Available
[ ] File Server                                 FS-FileServer                      Available
[ ] BranchCache for Network Files                FS-BranchCache                     Available
[ ] Data Deduplication                          FS-Data-Deduplication              Available
[ ] DFS Namespaces                              FS-DFS-Namespaces                  Available
[ ] DFS Replication                             FS-DFS-Replication                 Available
[ ] File Server Resource Manager                 FS-Resource-Manager                Available
[ ] File Server VSS Agent Service                 FS-VSS-Agent                       Available
  
```

3.2 – Instalar função de servidor web (IIS)

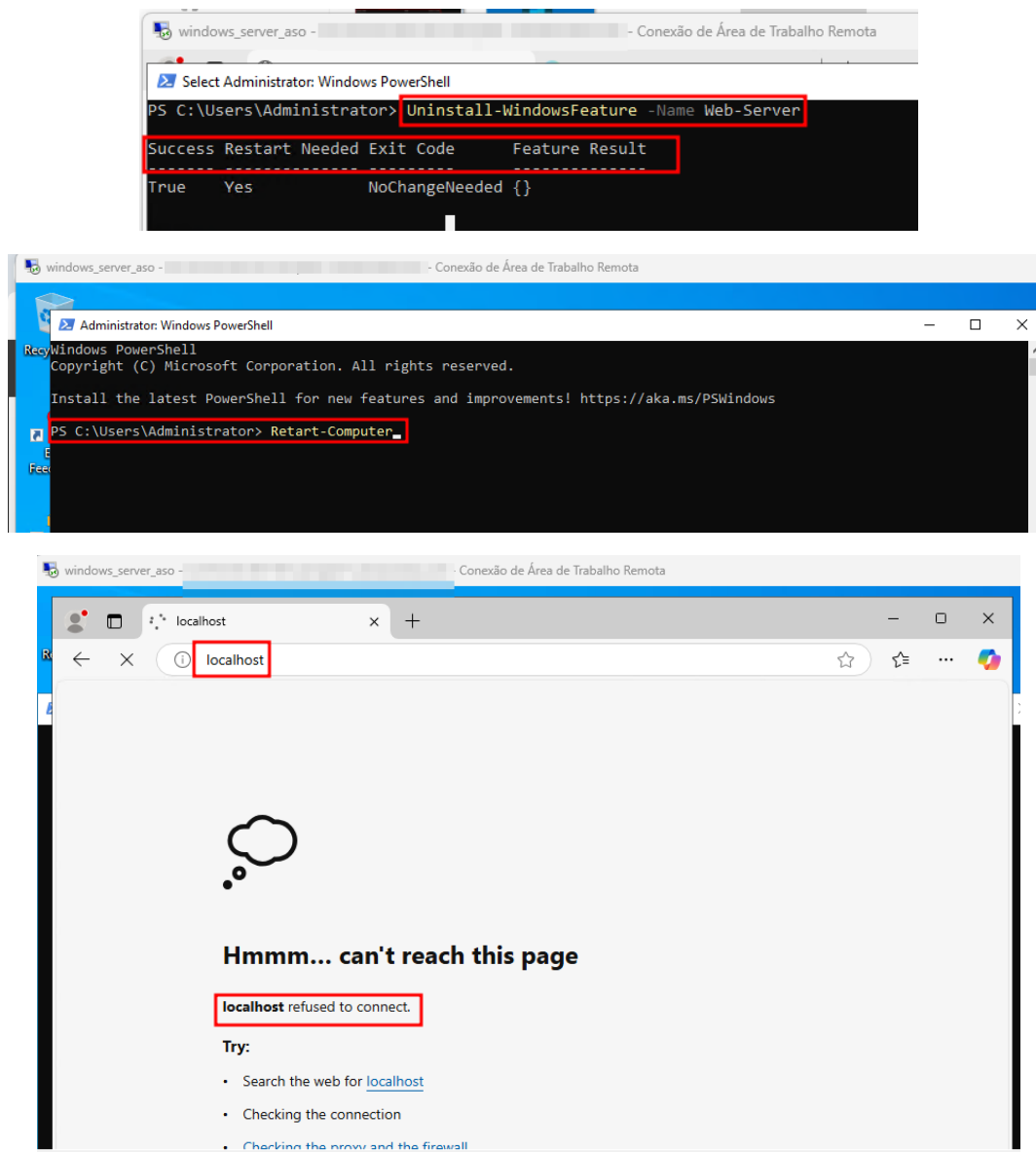
```

PS C:\Users\Administrator> Install-WindowsFeature -Name Web-Server -IncludeManagementTools

Success Restart Needed Exit Code  Feature Result
-----
True     No                Success    {Common HTTP Features, Default Document, D...
  
```



3.3 – Remover função



3.4 – Adicionar interface gráfica (em Server Core)

Apenas possível se a mídia de instalação ou ISO estiver montada.

```
Install-WindowsFeature Server-Gui-Mgmt-Infra, Server-Gui-Shell -Source  
D:\sources\sxs
```

3.5 – Remover interface gráfica

```
Uninstall-WindowsFeature Server-Gui-Shell, Server-Gui-Mgmt-Infra
```

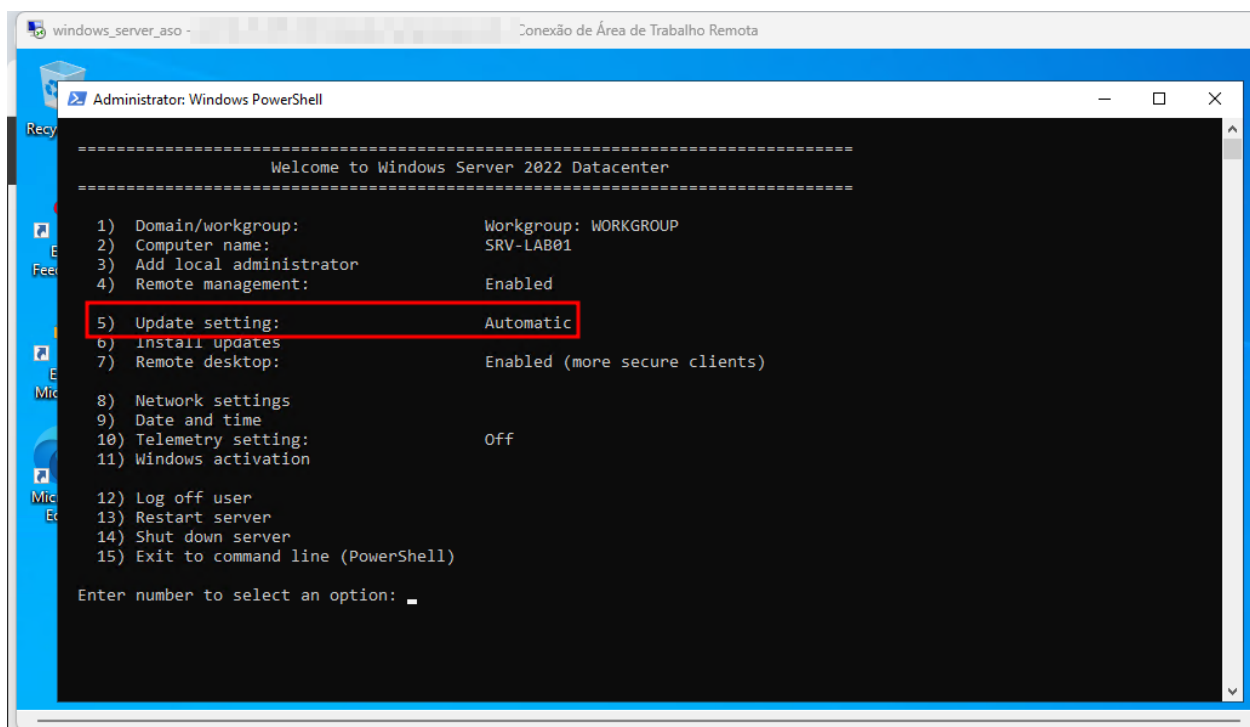
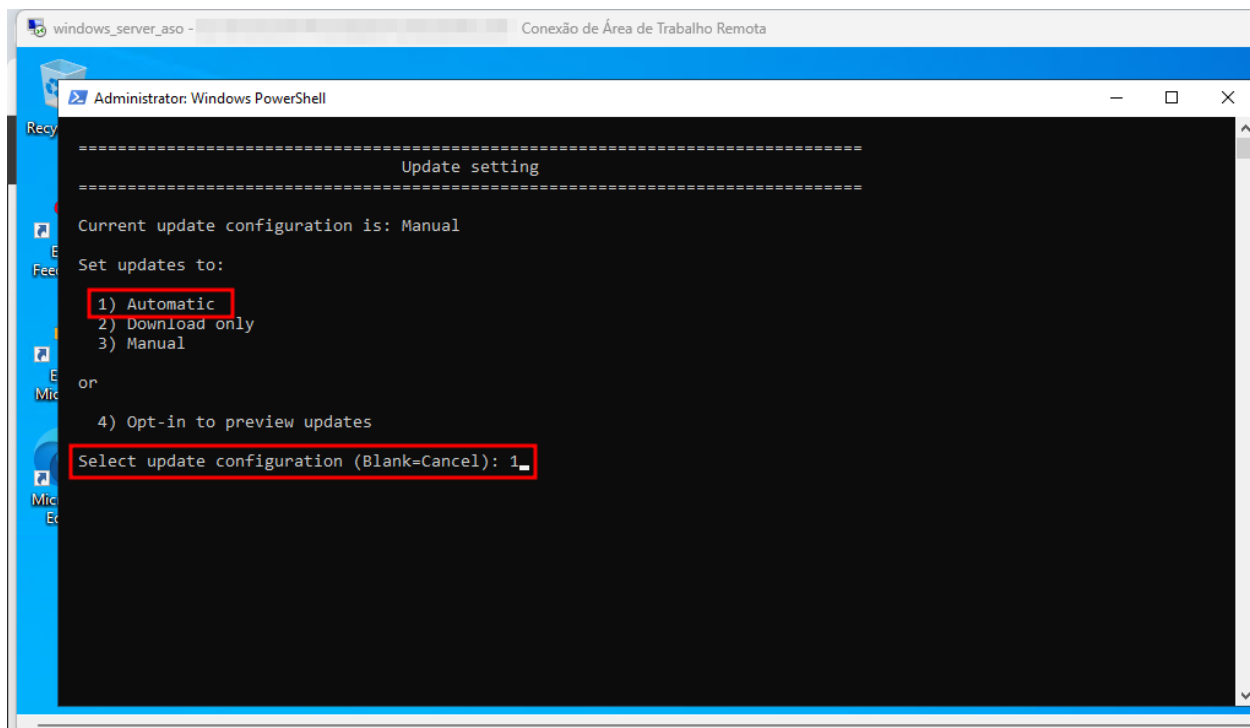
Parte 4 – Atualizações automáticas

4.1 – Ativar e configurar atualizações automáticas

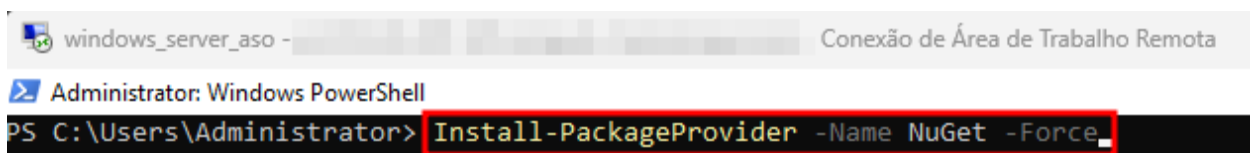
```
Recy PS C:\Users\Administrator> Set-Service -Name wuauerv -StartupType Automatic
PS C:\Users\Administrator> Start-Service wuauerv
PS C:\Users\Administrator>
```

```
Recy PS C:\Users\Administrator> sconfig_
```

```
-----
Welcome to Windows Server 2022 Datacenter
-----
1) Domain/workgroup:           Workgroup: WORKGROUP
2) Computer name:             SRV-LAB01
3) Add local administrator
4) Remote management:         Enabled
5) Update setting:             Manual
6) Install updates
7) Remote desktop:            Enabled (more secure clients)
8) Network settings
9) Date and time
10) Telemetry setting:         Off
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: 5_
```



4.2 – Verificar se há atualizações



```
windows_server_aso - Conexão de Área de Trabalho Remota
Administrator: Windows PowerShell
PS C:\Users\Administrator> Install-Module -Name PSWindowsUpdate

NuGet provider is required to continue
PowerShellGet requires NuGet provider version '2.8.5.201' or newer to interact with NuGet-based repositories. The NuGet provider must be available in 'C:\Program Files\Packag
'C:\Users\Administrator\AppData\Local\PackageManagement\ProviderAssemblies'. You can also install the NuGet provider by running 'Install-PackageProvider -Name NuGet -MinimumV
and import the NuGet provider now?
[Y] Yes [N] No [S] Suspend [?] Help (default is "Y"): y
```

```
windows_server_aso Conexão de Área de Trabalho Remota
Administrator: Windows PowerShell
PS C:\Users\Administrator> Install-WindowsUpdate -AcceptAll -AutoReboot
```

Parte 5 – Monitoramento e logs

5.1 – Listar logs de eventos do sistema

```
Conexão de Área de Trabalho Remota
Administrator: Windows PowerShell
PS C:\Users\Administrator> Get-EventLog -LogName System -Newest 20
```

Index	Time	EntryType	Source	InstanceID	Message
117842	Apr 15 22:21	Information	Service Control M...	1073748860	The Network Setup Service service entered the s...
117841	Apr 15 22:21	Information	Service Control M...	1073748860	The Windows Modules Installer service entered t...
117840	Apr 15 22:19	Information	Service Control M...	1073748860	The Client License Service (ClipSVC) service en...
117839	Apr 15 22:19	Information	Service Control M...	1073748860	The Network Setup Service service entered the r...
117838	Apr 15 22:19	Information	Service Control M...	1073748860	The Windows Modules Installer service entered t...
117837	Apr 15 22:19	Information	Service Control M...	1073748860	The Windows Modules Installer service entered t...
117836	Apr 15 22:18	Information	Microsoft-Windows...	19	Installation Successful: Windows successfully i...
117835	Apr 15 22:18	Information	Service Control M...	1073748860	The Software Protection service entered the sto...
117834	Apr 15 22:18	Information	Service Control M...	1073748860	The Device Setup Manager service entered the st...
117833	Apr 15 22:18	Information	Service Control M...	1073748860	The Diagnostic System Host service entered the ...
117832	Apr 15 22:18	Information	Service Control M...	1073748860	The Clipboard User Service_9c2a2 service entere...
117831	Apr 15 22:17	Information	Service Control M...	1073748860	The Application Information service entered the...
117830	Apr 15 22:17	Information	Service Control M...	1073748860	The Windows Update Medic Service service entere...
117829	Apr 15 22:17	Warning	DCOM	10016	The description for Event ID '10016' in Source ...
117828	Apr 15 22:17	Information	Service Control M...	1073748860	The Capability Access Manager Service service e...
117827	Apr 15 22:17	Information	Service Control M...	1073748860	The Touch Keyboard and Handwriting Panel Servic...
117826	Apr 15 22:17	Information	Service Control M...	1073748860	The Web Account Manager service entered the run...
117825	Apr 15 22:17	Information	Service Control M...	1073748860	The Windows Push Notifications User Service_9c2...
117824	Apr 15 22:17	Information	Service Control M...	1073748860	The Connected Devices Platform User Service_9c2...
117823	Apr 15 22:17	Information	Service Control M...	1073748860	The State Repository Service service entered th...

```
PS C:\Users\Administrator>
```

5.2 – Verificar eventos específicos (ex: falhas)

- Conexão de Área de Trabalho Remota

```
Administrator: Windows PowerShell
PS C:\Users\Administrator> Get-EventLog -LogName System -EntryType Error -Newest 10
```

Index	Time	EntryType	Source	InstanceID	Message
117153	Apr 11 17:36	Error	Service Control M...	3221232515	The Windows Update service did not shut down pr...
116676	Apr 11 14:17	Error	APPHOSTSVC	3221234478	The description for Event ID '-1073732818' in S...
116675	Apr 11 14:17	Error	APPHOSTSVC	3221234472	The description for Event ID '-1073732824' in S...
115655	Apr 10 14:38	Error	Service Control M...	3221232515	The Windows Update service did not shut down pr...
115472	Apr 10 14:37	Error	Service Control M...	3221232515	The Windows Update service did not shut down pr...
115396	Apr 10 14:36	Error	Service Control M...	3221232495	The netprofm service terminated with the follow...

```
PS C:\Users\Administrator>
```

Desafios extras (para prática em grupo)

Ativar e configurar o firewall via PowerShell

Criar e gerenciar usuários e grupos locais

Automatizar instalação de múltiplos recursos com script

Comparar diferenças entre Core e Desktop com comandos `Get-WindowsFeature`

Exibir interfaces de rede:

- C

```
Administrator: Windows PowerShell
PS C:\Users\Administrator> netsh interface ipv4 show interfaces
```

Idx	Met	MTU	State	Name
1	75	4294967295	connected	Loopback Pseudo-Interface 1
6	25	9001	connected	Ethernet 2

Mostra as configurações TCP/IP atuais do Sistema:

- Conexão de Área de Trabalho Remota

```
Administrator: Windows PowerShell
PS C:\Users\Administrator> netsh interface ip show config

Configuration for interface "Ethernet 2"
    DHCP enabled:                Yes
    IP Address:                  172.31.26.216
    Subnet Prefix:               172.31.16.0/20 (mask 255.255.240.0)
    Default Gateway:            172.31.16.1
    Gateway Metric:              0
    InterfaceMetric:            25
    DNS servers configured through DHCP: 172.31.0.2
    Register with which suffix:  Primary only
    WINS servers configured through DHCP: None

Configuration for interface "Loopback Pseudo-Interface 1"
    DHCP enabled:                No
    IP Address:                  127.0.0.1
    Subnet Prefix:               127.0.0.0/8 (mask 255.0.0.0)
    InterfaceMetric:            75
    Statically Configured DNS Servers:  None
    Register with which suffix:  Primary only
    Statically Configured WINS Servers:  None
```

Modifica as configurações de rede:

netsh interface ip set address "Ethernet" static 192.168.0.10 255.255.255.0 192.168.0.254

Usar um DHCP dinâmico para atribuir endereços:

netsh interface ip set address "Ethernet" dhcp

Modificar o endereço de um servidor DNS:

netsh interface ip set dns "Ethernet" static 192.168.0.2

Atribuir o endereço do servidor DNS dinamicamente:

netsh interface ip set dns "Ethernet" dhcp

Configurar o servidor WINS:

netsh interface ip set wins

Trabalhar com outras interfaces:

netsh dhcp dump > dhcpcfg.dat

Trabalhar com sistemas remotos:

netsh set machine <nome do computador remoto>

Salvar as configurações atuais:

netsh interface dump > mycfg.dat

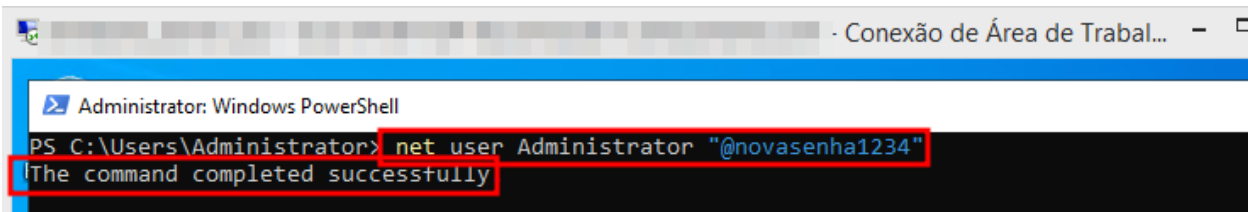
Restaurar configurações de rede:

netsh exec mycfg.dat

Desabilitar o firewall:

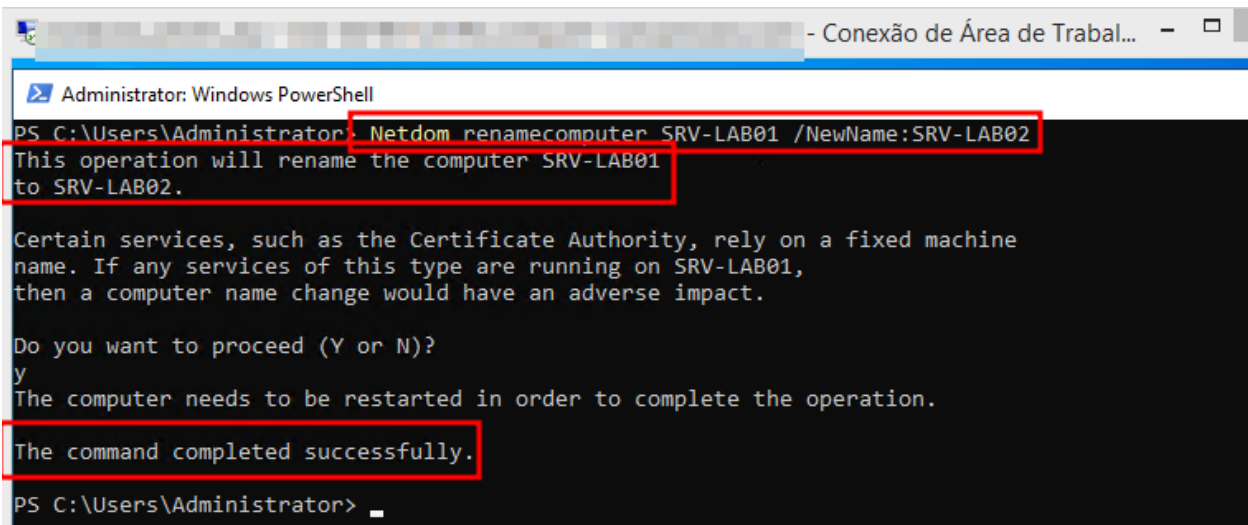
Netsh firewall set opmode DISABLED

Alterar a senha do administrador:



```
Administrator: Windows PowerShell
PS C:\Users\Administrator> net user Administrator "@novasenha1234"
The command completed successfully
```

Alterar o nome do computador:



```
Administrator: Windows PowerShell
PS C:\Users\Administrator> Netdom renamecomputer SRV-LAB01 /NewName:SRV-LAB02
This operation will rename the computer SRV-LAB01 to SRV-LAB02.

Certain services, such as the Certificate Authority, rely on a fixed machine
name. If any services of this type are running on SRV-LAB01,
then a computer name change would have an adverse impact.

Do you want to proceed (Y or N)?
y
The computer needs to be restarted in order to complete the operation.
The command completed successfully.
PS C:\Users\Administrator>
```

Inserir o computador em um domínio:

Netdom join %nomeComputador% /domain:"domínio" /userd:"usuário" /passwordd:*

Remover o servidor do domínio:

Netdom remove

Habilitar o Windows Remote Shell:

Wimrm quickconfig. Forneça Y

- Em um computador cliente execute winrs -r:"Nome do servidor" cmd para rodar um CMD remoto

Instalar a licença(CD-Key):

CSCRIPT %windir%system32slmgr.vbs -ipk

XXXXX-XXXXX-XXXXX-XXXXX-XXXXX

Ativar a licença do servidor:

CSCRIPT %windir%system32slmgr.vbs -ato

- No Windows Server 2012, a licença é informada durante a instalação e a ativação é feita quando houver conexão com a Internet.

Verificar a licença:

CSCRIPT %windir%system32slmgr.vbs -xpr

Ativar o servidor remotamente:

Cscript slmgr.vbs -ato "nome do servidor" "nome do usuário" "senha"

Cscript slmgr.vbs -did

Cscript slmgr.vbs -dli "GUID"

Habilitar a atualização automática:

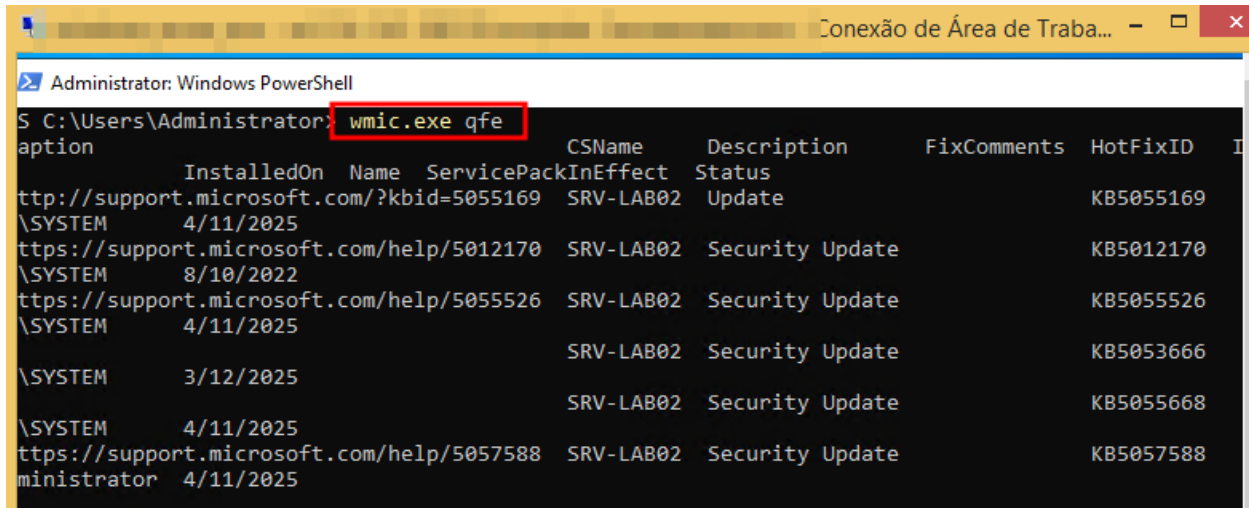
Cscript C:WindowsSystem32 Scrededit.wsf /au /4

Desabilitar a atualização automática:

Cscript C:WindowsSystem32 Scredit.wsf /au /1

- Para ver as configurações cscript C:WindowsSystem32 screedit.wsf /au /v

Verificar updates manualmente:



```
Administrator: Windows PowerShell
C:\Users\Administrator> wmic.exe qfe

Caption            InstalledOn Name ServicePackInEffect Status Description FixComments HotFixID I
-----
http://support.microsoft.com/?kbid=5055169 SRV-LAB02 Update KB5055169
\SYSTEM 4/11/2025
https://support.microsoft.com/help/5012170 SRV-LAB02 Security Update KB5012170
\SYSTEM 8/10/2022
https://support.microsoft.com/help/5055526 SRV-LAB02 Security Update KB5055526
\SYSTEM 4/11/2025
SRV-LAB02 Security Update KB5053666
\SYSTEM 3/12/2025
SRV-LAB02 Security Update KB5055668
\SYSTEM 4/11/2025
https://support.microsoft.com/help/5057588 SRV-LAB02 Security Update KB5057588
Administrator 4/11/2025
```

Liberar Administração Remota via MMC no firewall:

Netsh advfirewall firewall set rule group="Remote Administration" new enable=yes

Habilitar o Windows Firewall para aceitar conexão remota (RDP):

Netsh advfirewall firewall set rule group="Remote Desktop" new enable=yes

Adicionar hardware ao servidor:

pnputil -I -a "driverinf"

Adicionar usuário ao grupo Administradores:

Net localgroup Administradores /add "dominio" "usuario"

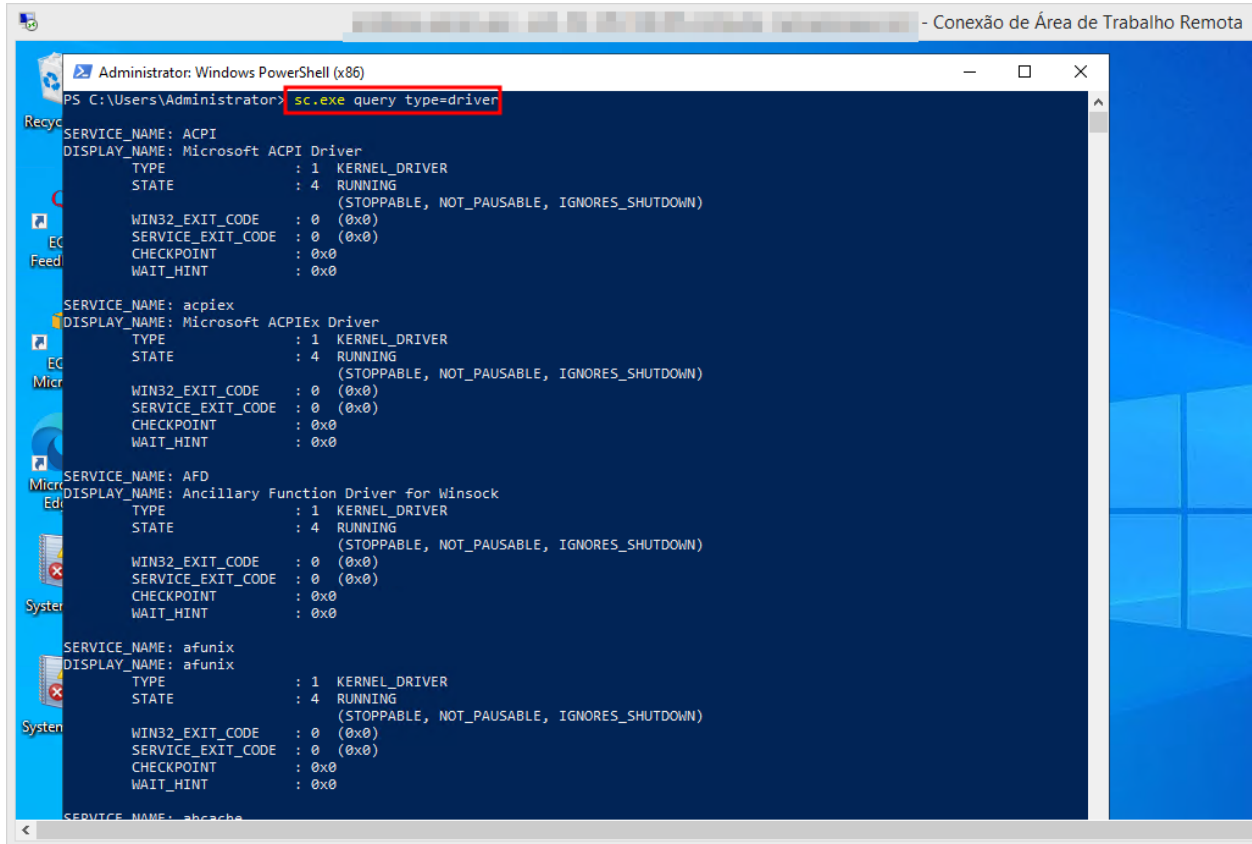
Remover usuário do grupo Administradores:

Net localgroup Administradores /delete "dominio" "usuario"

Desabilitar um driver:

sc delete "service_name"

Ver a lista de drivers instalados:



The screenshot shows a remote desktop connection to a Windows machine. A PowerShell window titled 'Administrator: Windows PowerShell (x86)' is open, displaying the command `sc.exe query type=driver` and its output. The output lists several installed drivers, including ACPI, acpiex, AFD, and afunix, each with its service name, display name, type, state, and various configuration parameters.

```
PS C:\Users\Administrator> sc.exe query type=driver

SERVICE_NAME: ACPI
DISPLAY_NAME: Microsoft ACPI Driver
        TYPE               : 1  KERNEL_DRIVER
        STATE                : 4  RUNNING
                        (STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE      : 0  (0x0)
        SERVICE_EXIT_CODE   : 0  (0x0)
        CHECKPOINT          : 0x0
        WAIT_HINT           : 0x0

SERVICE_NAME: acpiex
DISPLAY_NAME: Microsoft ACPIEx Driver
        TYPE               : 1  KERNEL_DRIVER
        STATE                : 4  RUNNING
                        (STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE      : 0  (0x0)
        SERVICE_EXIT_CODE   : 0  (0x0)
        CHECKPOINT          : 0x0
        WAIT_HINT           : 0x0

SERVICE_NAME: AFD
DISPLAY_NAME: Ancillary Function Driver for Winsock
        TYPE               : 1  KERNEL_DRIVER
        STATE                : 4  RUNNING
                        (STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE      : 0  (0x0)
        SERVICE_EXIT_CODE   : 0  (0x0)
        CHECKPOINT          : 0x0
        WAIT_HINT           : 0x0

SERVICE_NAME: afunix
DISPLAY_NAME: afunix
        TYPE               : 1  KERNEL_DRIVER
        STATE                : 4  RUNNING
                        (STOPPABLE, NOT_PAUSABLE, IGNORES_SHUTDOWN)
        WIN32_EXIT_CODE      : 0  (0x0)
        SERVICE_EXIT_CODE   : 0  (0x0)
        CHECKPOINT          : 0x0
        WAIT_HINT           : 0x0

SERVICE_NAME: abcache
```

Event logs:

- Listar: wevtutil el

Administrator: Windows PowerShell

```
PS C:\Users\Administrator> wevtutil el
```

MSI/Debug
amazon EC2Launch
analytic
application
directShowFilterGraph
directShowPluginControl
ls_Hyphenation/Analytic
ndpointMapper
firstUXPerf-Analytic
forwardedEvents
hardwareEvents
HM_DebugChannel
intel-iaLPSS-GPIO/Analytic
intel-iaLPSS-I2C/Analytic
Internet Explorer
Key Management Service
F_MediaFoundationDeviceMFT
F_MediaFoundationDeviceProxy
F_MediaFoundationFrameServer
MediaFoundationVideoProc
MediaFoundationVideoProcD3D
MediaFoundationAsyncWrapper
MediaFoundationContentProtection
MediaFoundationDS
MediaFoundationDeviceProxy
MediaFoundationMP4
MediaFoundationMediaEngine
MediaFoundationPerformance
MediaFoundationPerformanceCore

- Pesquisar: wevtutil epl "nome do log"

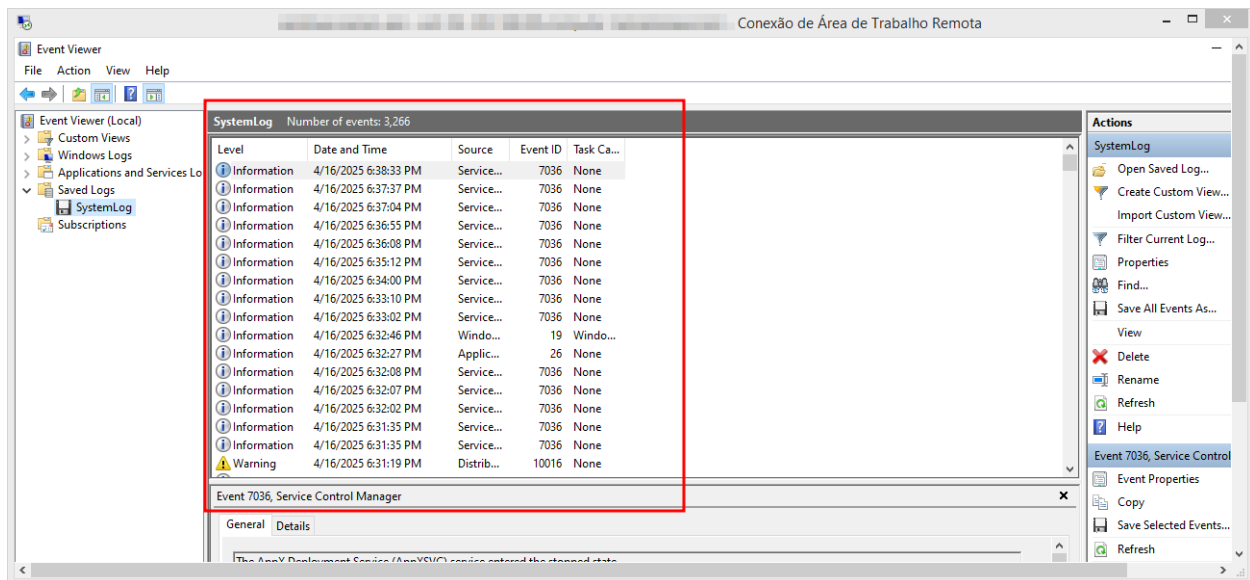
Administrator: Windows PowerShell

```
PS C:\Users\Administrator> wevtutil epl "System" "C:\Users\Administrator\Desktop\SystemLog.evtx"
```

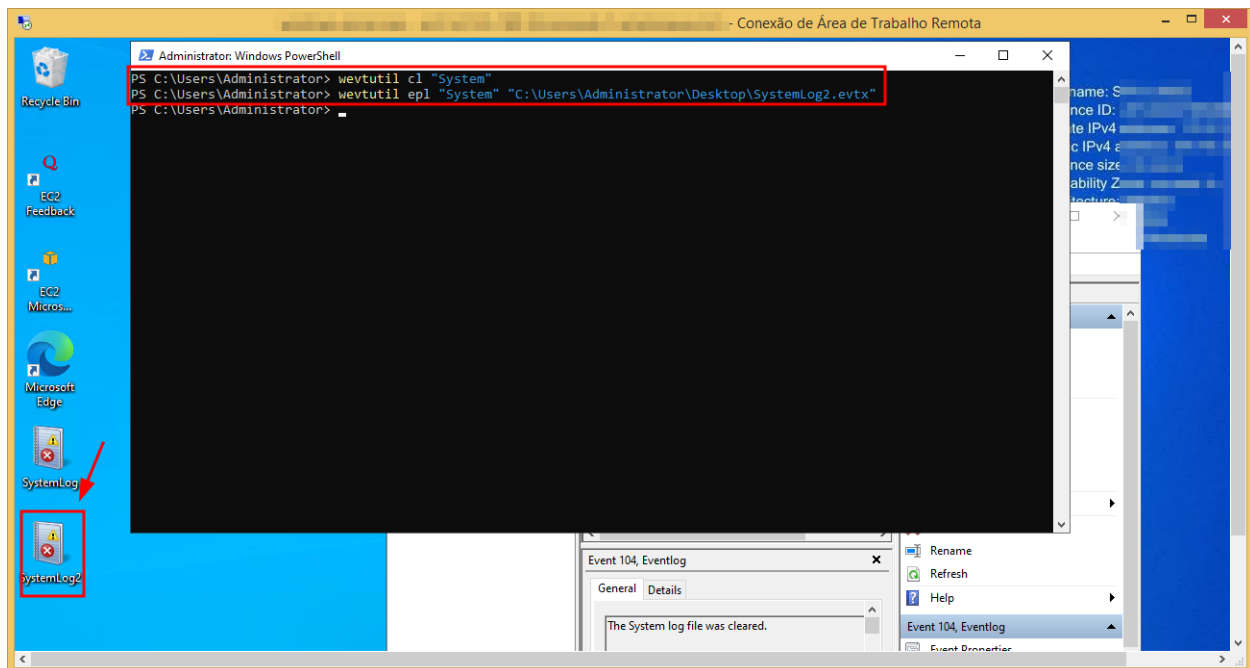
PS C:\Users\Administrator>

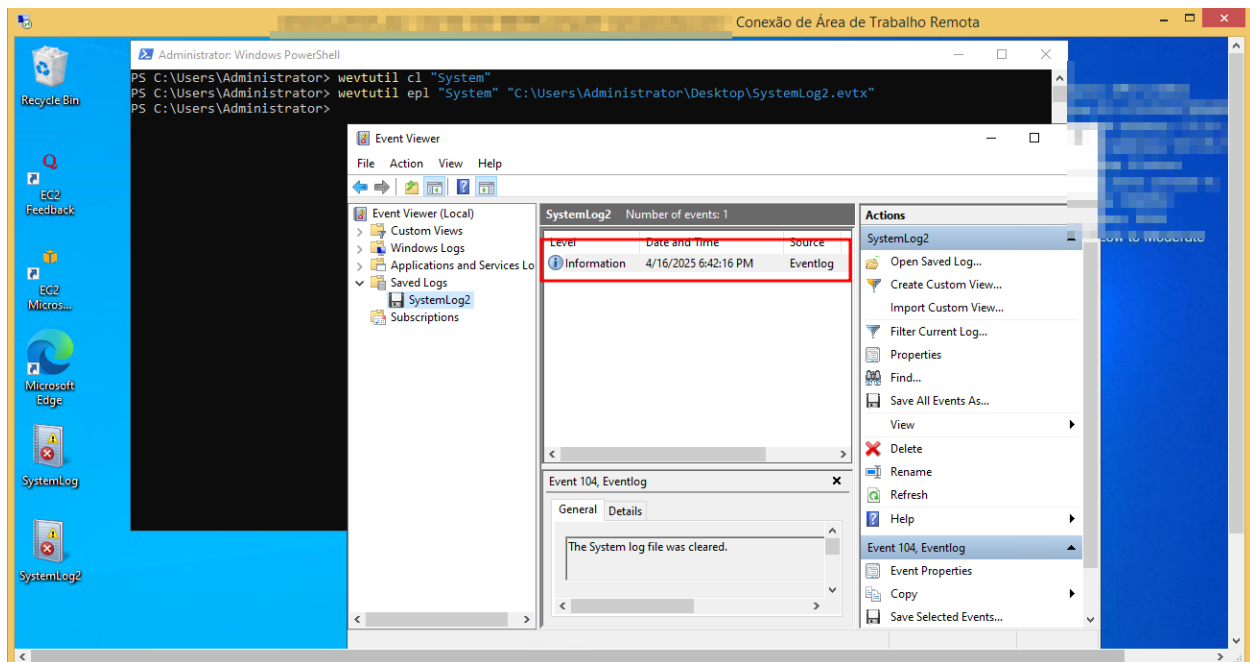
name: SRV-LAB02
Instance ID: [redacted]
Private IPv4 address: [redacted]
Public IPv4 address: [redacted]
Instance size: t2.micro
Availability Zone: us-east-1c
Architecture: AMD64
Memory: 1024
Work: Low to Moderate

Recycle Bin
EC2 Feedback
EC2 Micros...
Microsoft Edge
SystemLog

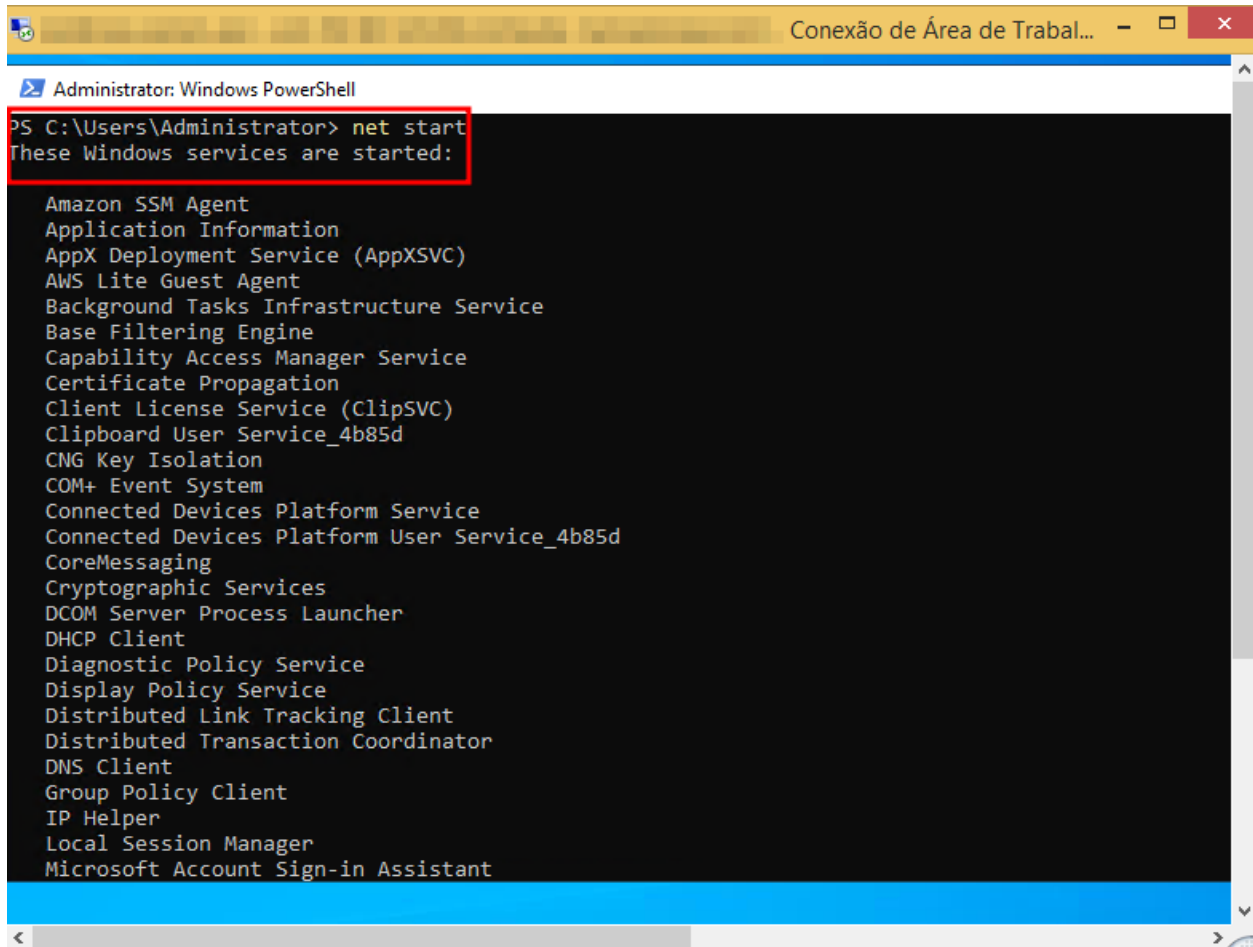


- Limpar: wevtutil cl "nome do log"





Listar os serviços que estão em execução:

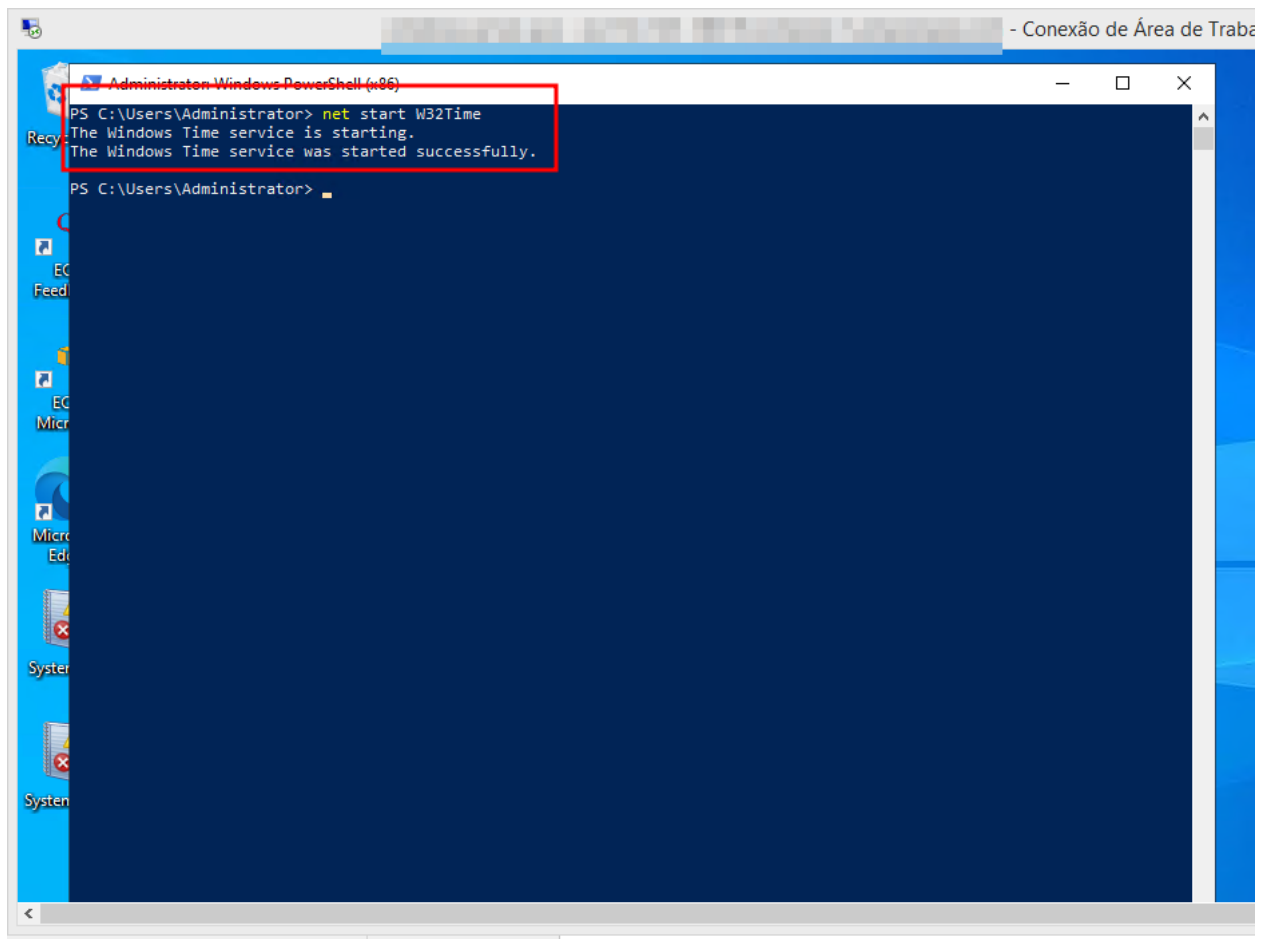


The image shows a Windows PowerShell window titled "Administrator: Windows PowerShell". The window has a yellow title bar with standard Windows window controls. The command prompt shows the command "net start" being executed. The output lists 28 Windows services that are started. The first two lines of the output, "PS C:\Users\Administrator> net start" and "These Windows services are started:", are highlighted with a red rectangular box. The list of services includes Amazon SSM Agent, Application Information, AppX Deployment Service (AppXSVC), AWS Lite Guest Agent, Background Tasks Infrastructure Service, Base Filtering Engine, Capability Access Manager Service, Certificate Propagation, Client License Service (ClipSVC), Clipboard User Service_4b85d, CNG Key Isolation, COM+ Event System, Connected Devices Platform Service, Connected Devices Platform User Service_4b85d, CoreMessaging, Cryptographic Services, DCOM Server Process Launcher, DHCP Client, Diagnostic Policy Service, Display Policy Service, Distributed Link Tracking Client, Distributed Transaction Coordinator, DNS Client, Group Policy Client, IP Helper, Local Session Manager, and Microsoft Account Sign-in Assistant.

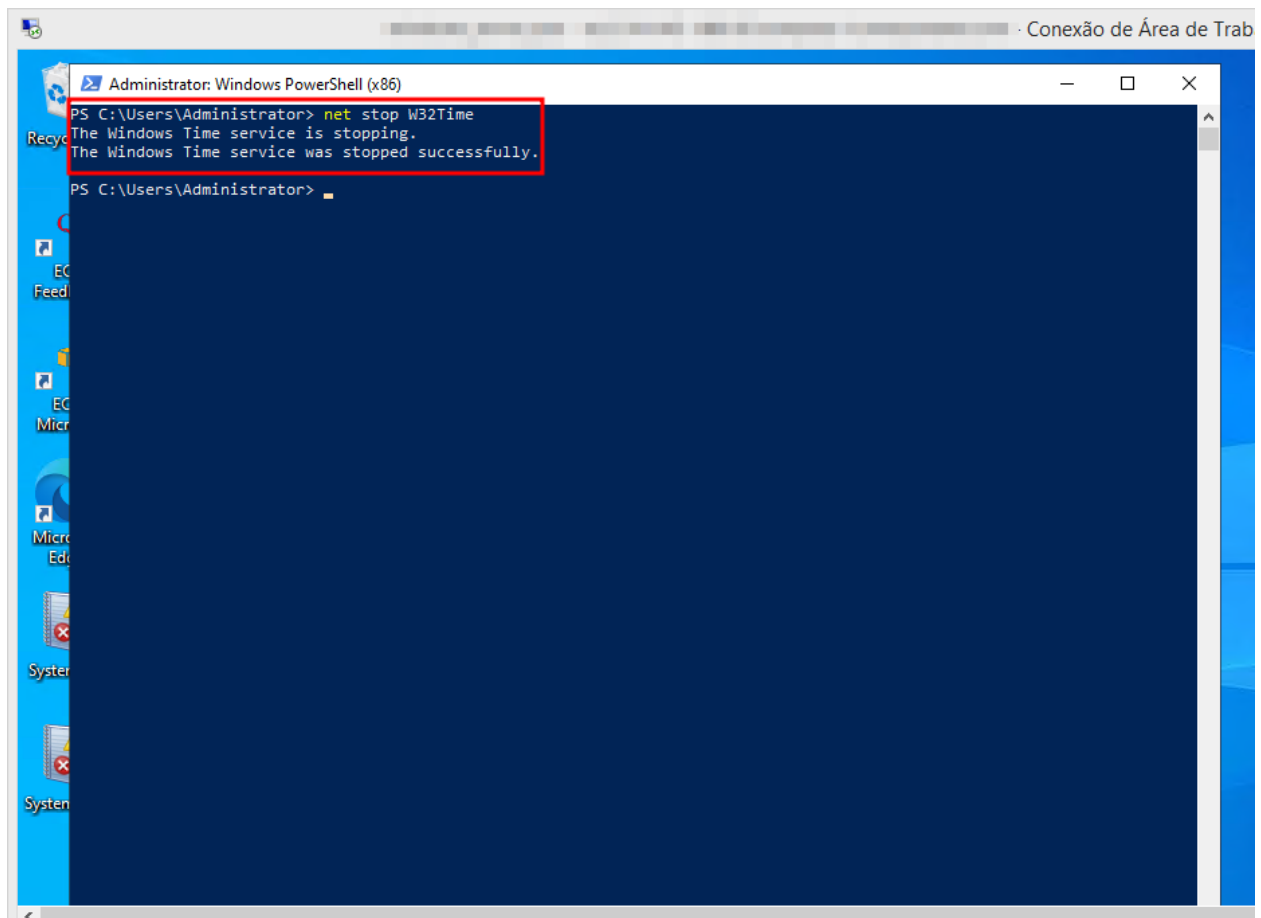
```
Administrator: Windows PowerShell
PS C:\Users\Administrator> net start
These Windows services are started:

Amazon SSM Agent
Application Information
AppX Deployment Service (AppXSVC)
AWS Lite Guest Agent
Background Tasks Infrastructure Service
Base Filtering Engine
Capability Access Manager Service
Certificate Propagation
Client License Service (ClipSVC)
Clipboard User Service_4b85d
CNG Key Isolation
COM+ Event System
Connected Devices Platform Service
Connected Devices Platform User Service_4b85d
CoreMessaging
Cryptographic Services
DCOM Server Process Launcher
DHCP Client
Diagnostic Policy Service
Display Policy Service
Distributed Link Tracking Client
Distributed Transaction Coordinator
DNS Client
Group Policy Client
IP Helper
Local Session Manager
Microsoft Account Sign-in Assistant
```

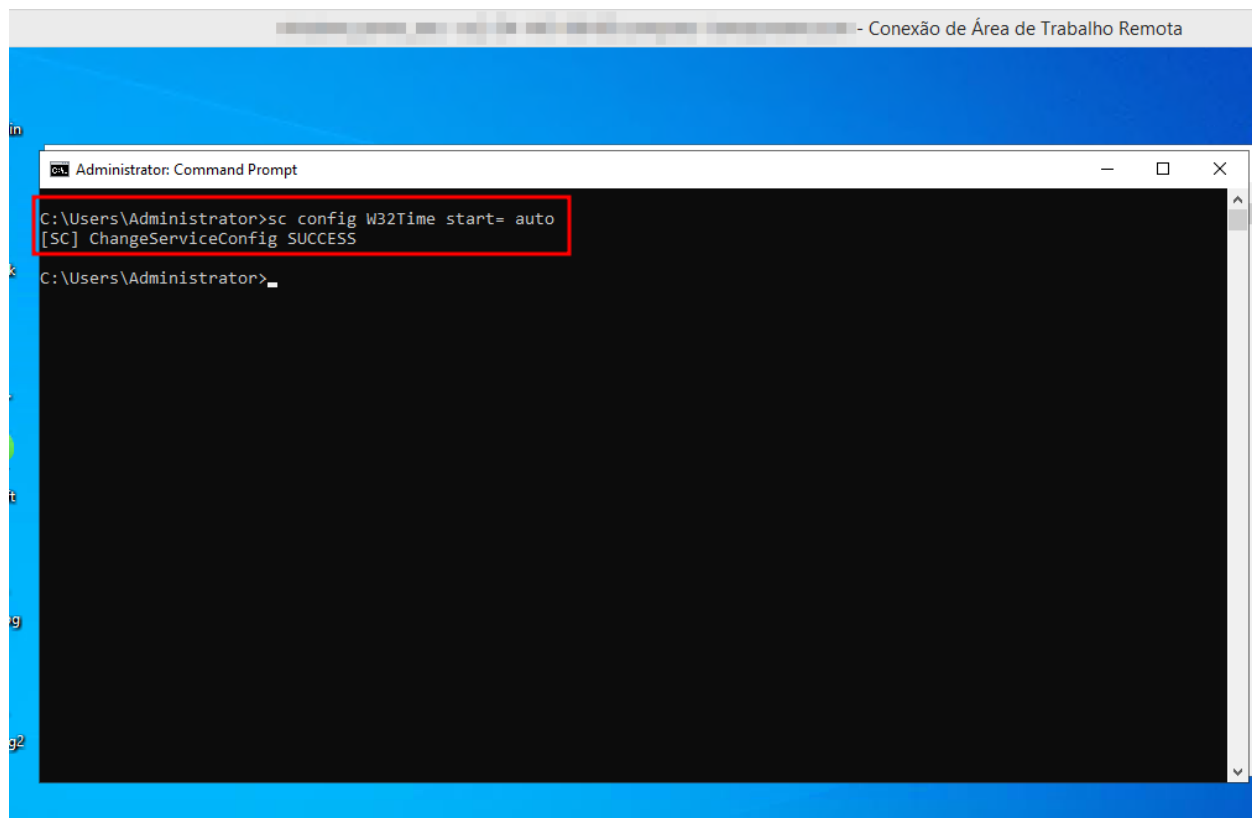
Iniciar um serviço:



Parar um serviço:



Configurar um serviço:



Listar processos:

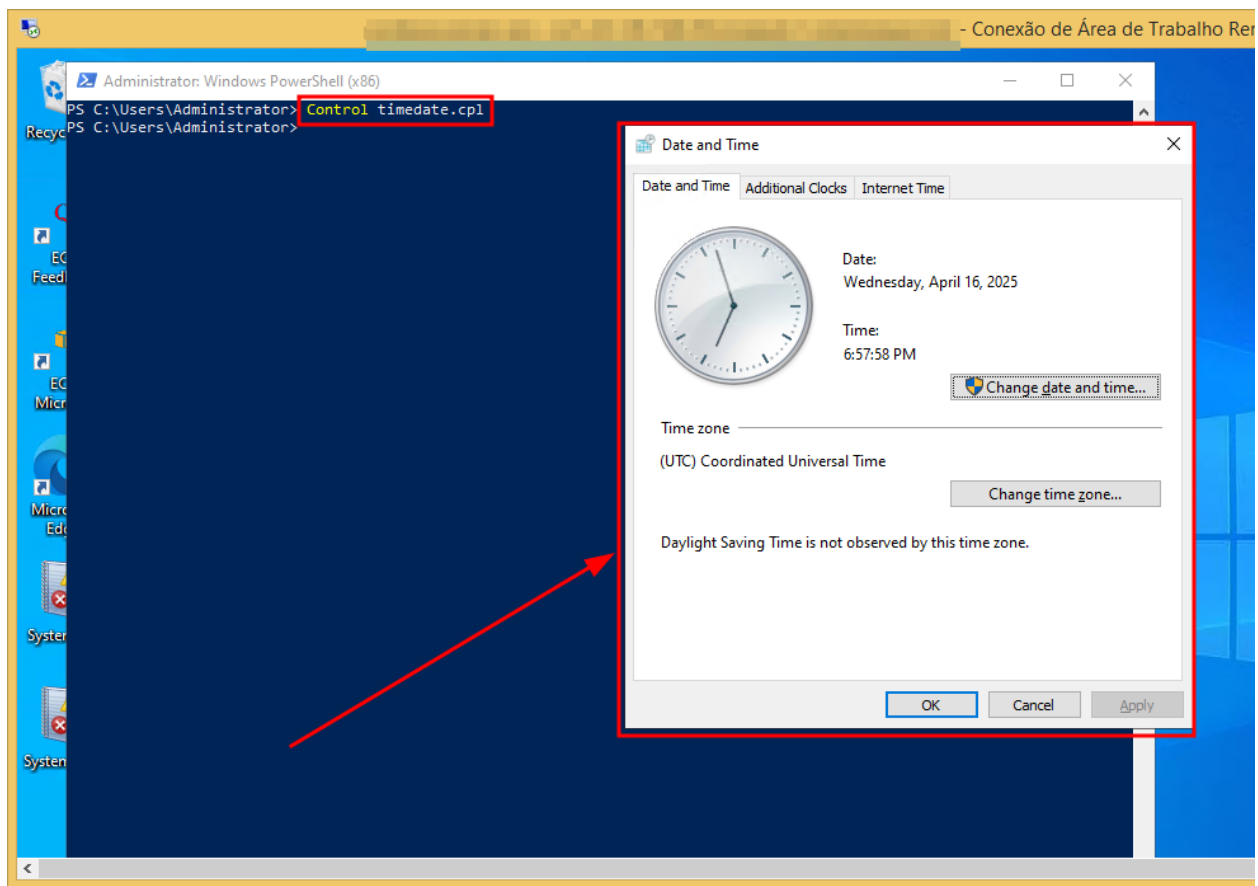
```
Administrator: Windows PowerShell
PS C:\Users\Administrator> tasklist
```

Image Name	PID	Session Name	Session#	Mem Usage
System Idle Process	0	Services	0	8 K
System	4	Services	0	140 K
Registry	76	Services	0	19,828 K
smss.exe	428	Services	0	472 K
csrss.exe	576	Services	0	2,952 K
csrss.exe	644	Console	1	2,084 K
wininit.exe	688	Services	0	3,384 K
winlogon.exe	700	Console	1	8,292 K
services.exe	768	Services	0	5,372 K
lsass.exe	780	Services	0	11,308 K
svchost.exe	876	Services	0	19,840 K
fontdrvhost.exe	900	Services	0	1,640 K
fontdrvhost.exe	908	Console	1	1,392 K
svchost.exe	968	Services	0	9,356 K
LogonUI.exe	648	Console	1	44,680 K
dwm.exe	636	Console	1	13,432 K
svchost.exe	860	Services	0	37,228 K
svchost.exe	532	Services	0	27,136 K
svchost.exe	1048	Services	0	22,936 K
svchost.exe	1188	Services	0	10,992 K
svchost.exe	1196	Services	0	20,196 K
svchost.exe	1204	Services	0	40,204 K
svchost.exe	1336	Services	0	21,400 K
svchost.exe	1348	Services	0	8,940 K
svchost.exe	1512	Services	0	17,592 K
svchost.exe	1764	Services	0	7,096 K

Finalizar um processo:

```
Administrator: Windows PowerShell
PS C:\Users\Administrator> Taskkill /IM notepad.exe
SUCCESS: Sent termination signal to the process "notepad.exe" with PID 4008.
PS C:\Users\Administrator>
```

Abrir opções do Painel de controle:



Visualizar informações do sistema:

```
Administrator: Windows PowerShell (x86)
PS C:\Users\Administrator> Systeminfo

Host Name:                SRV-LAB02
OS Name:                  Microsoft Windows Server 2022 Datacenter
OS Version:               10.0.20348 N/A Build 20348
OS Manufacturer:         Microsoft Corporation
OS Configuration:        Standalone Server
OS Build Type:             Multiprocessor Free
Registered Owner:         EC2
Registered Organization:   Amazon.com
Product ID:                00454-60000-00001-AA691
Original Install Date:     4/10/2025, 2:37:55 PM
System Boot Time:          4/16/2025, 6:26:45 PM
System Manufacturer:       Xen
System Model:              HVM domU
System Type:               x64-based PC
Processor(s):              1 Processor(s) Installed.
                           [01]: Intel64 Family 6 Model 79 Stepping 1 GenuineIntel ~2300 Mhz
BIOS Version:              Xen 4.11.amazon, 8/24/2006
Windows Directory:         C:\Windows
System Directory:          C:\Windows\system32
Boot Device:               \Device\HarddiskVolume1
System Locale:              en-us;English (United States)
Input Locale:              en-us;English (United States)
Time Zone:                 (UTC) Coordinated Universal Time
Total Physical Memory:      1,024 MB
Available Physical Memory:  179 MB
Virtual Memory: Max Size:  2,061 MB
Virtual Memory: Available:  808 MB
Virtual Memory: In Use:     1,253 MB
Page File Location(s):     C:\pagefile.sys
Domain:                    WORKGROUP
Logon Server:               \\SRV-LAB02
Hotfix(s):                  6 Hotfix(s) Installed.
                           [01]: KB5055169
                           [02]: KB5012170
                           [03]: KB5055526
                           [04]: KB5053666
                           [05]: KB5055668
                           [06]: KB5057588
Network Card(s):           1 NIC(s) Installed.
                           [01]: AWS PV Network Device
                           Connection Name: Ethernet 2
                           DHCP Enabled:    Yes
```

2 Exercícios Propostos

- 1) Faça uma instalação Server Core e configure a placa de rede usando os comandos do PowerShell explicados neste capítulo.
- 2) Altere o nome do computador usando Cmdlet.
- 3) Crie um usuário usando Cmdlet.
- 4) Visualize informações do sistema usando Cmdlet.
- 5) Acesse o servidor remotamente usando Cmdlet.
- 6) Criação de um relatório final com os comandos executados, capturas de tela (quando possível) e uma reflexão sobre as diferenças entre Server Core e Desktop Experience.

