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15 comandos internos

1. cd – Cambiar de directorio.

```
C:\Users\Jojo\portfolio>cd ..
C:\Users\Jojo>
```

2. dir – Mostrar el contenido de un directorio.

```
:\Users\Jojo>dir
El volumen de la unidad C no tiene etiqueta.
El número de serie del volumen es: D2A5-EA25
Directorio de C:\Users\Jojo
24/11/2023
            09:45 p. m.
                            <DIR>
                                            .android
01/02/2025
            05:36 p. m.
                            <DIR>
                                            .aws
12/03/2025
            01:59 a. m.
                                    16,721 .bash_history
18/08/2024
            01:16 p. m.
                                            .dbus-keyrings
                            <DIR>
16/05/2024
            01:00 a. m.
                            <DIR>
                                            .docker
08/01/2025
            02:43 p. m.
                            <DIR>
                                            .dotnet
29/11/2024
                                        370 .gitconfig
            02:38 a. m.
21/08/2024
                                            .idlerc
            12:31 a. m.
                            <DIR>
16/03/2025
            04:28 a. m.
                                         20 .lesshst
                                            .librarymanager
24/10/2023
            08:26 p. m.
                            <DIR>
24/10/2023
            01:37 a. m.
                            <DIR>
                                            .nuget
01/02/2025
            05:51 p. m.
                                            .serverless
                            <DIR>
01/02/2025
                                        365 .serverlessrc
            06:01 p. m.
12/03/2025
            01:59 a. m.
                            <DIR>
11/12/2023
            03:39 p. m.
                            <DIR>
                                            .templateengine
                                    13,805 .viminfo
17/12/2024
            03:31 a. m.
31/01/2025
                                            .VirtualBox
            10:58 p. m.
                            <DIR>
23/10/2023
            07:03 p. m.
                            <DIR>
                                            .vscode
22/10/2023
                                            3D Objects
            07:39 p. m.
                            <DIR>
05/11/2023
            08:38 a. m.
                            <DIR>
                                            ansel
24/02/2025
            12:27 a. m.
                                            BrawlhallaReplays
                            <DIR>
01/06/2024
            10:46 a. m.
                                    10,437 config.json
22/10/2023 07:39 p. m.
                                            Contacts
```

- 3. cls Limpiar la pantalla de la terminal.
- 4. copy Copiar archivos.
- 5. del Eliminar archivos.
- 6. echo Mostrar mensajes en pantalla o escribir en archivos.

C:\Users\Jojo>echo hola mundo! hola mundo!

- 7. exit Salir del símbolo del sistema.
- 8. md Crear un directorio.

```
C:\Users\Jojo>md carpeta
C:\Users\Jojo>cd carpeta
C:\Users\Jojo\carpeta>
```

- 9. rd Eliminar un directorio vacío.
- 10. rename (o ren) Renombrar archivos.
- 11. set Ver o modificar variables de entorno.
- 12. type Mostrar el contenido de un archivo de texto.
- 13. ver Mostrar la versión del sistema operativo.

```
C:\Users\Jojo>ver
Microsoft Windows [Versión 10.0.19045.5608]
```

14. vol – Mostrar la etiqueta del volumen del disco.

```
C:\Users\Jojo>vol
El volumen de la unidad C no tiene etiqueta.
El número de serie del volumen es: D2A5-EA25
C:\Users\Jojo>
```

15. path – Configurar rutas de búsqueda de archivos ejecutables.

10 comandos externos

1. ping – Enviar paquetes de prueba a una dirección IP.

```
C:\Users\Jojo>ping lan.leagueoflegends.com

Haciendo ping a e12817.dscj.akamaiedge.net [23.194.237.179] con 32 bytes de datos:
Respuesta desde 23.194.237.179: bytes=32 tiempo=30ms TTL=56
Respuesta desde 23.194.237.179: bytes=32 tiempo=31ms TTL=56
Respuesta desde 23.194.237.179: bytes=32 tiempo=31ms TTL=56
Respuesta desde 23.194.237.179: bytes=32 tiempo=33ms TTL=56

Estadísticas de ping para 23.194.237.179:
    Paquetes: enviados = 4, recibidos = 4, perdidos = 0
    (0% perdidos),
Tiempos aproximados de ida y vuelta en milisegundos:
    Mínimo = 30ms, Máximo = 33ms, Media = 31ms

C:\Users\Jojo>
```

- 2. ipconfig Mostrar configuración de red.
- 3. tasklist Mostrar procesos en ejecución.

System 4 Services 0 5,024 KB Secure System 88 Services 0 40,536 KB Registry 156 Services 0 128,584 KB Simss.exe 540 Services 0 1,144 KB Simss.exe 932 Services 0 5,916 KB Simss.exe 932 Services 0 6,472 KB Similities 956 Services 0 6,472 KB Similities 956 Services 0 15,456 KB Similities 958 Services 0 15,456 KB Similities 958 Services 0 15,456 KB Similities 958 Services 0 27,732 KB Similities 958 Services 0 27,732 KB Similities 96 Services 0 3,052 KB Similities 97,940 KB 0 3,7940 KB Similities 97,940 KB 0 3,664 KB Similities 98,940 KB 0 19,832 KB Similities 98,940 KB 0 19,832 KB Similities 98,940 KB 0 19	C:\Users\Jojo>tasklist		S			
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	svchost.exe	2356	Services	0	15,848	ΚB

- 4. taskkill Finalizar procesos en ejecución.
- 5. diskpart Administrar particiones de disco.
- 6. chkdsk Comprobar errores en el disco duro.

```
C:\Windows\system32>chkdsk
El tipo del sistema de archivos es NTFS.

ADVERTENCIA: parámetro /F no especificado.
Ejecutando CHKDSK en modo de solo lectura.

Etapa 1: Examen de la estructura básica del sistema de archivo
Progreso: 1104328 de 2043136 finalizado: Etapa: 54%: Total: 18
```

- 7. format Formatear un disco.
- 8. shutdown Apagar o reiniciar el equipo.
- 9. xcopy Copiar archivos y directorios con más opciones que copy.
- 10. netstat Ver conexiones de red activas.

C:\Windows\system32>netstat									
Conexiones activas									
	Proto	Dirección local	Dirección remota	Estado					
	TCP	127.0.0.1:5354	kubernetes:49671	ESTABLISHED					
	TCP	127.0.0.1:5354	kubernetes:49672	ESTABLISHED					
	TCP	127.0.0.1:35783	kubernetes:56626	TIME_WAIT					
	TCP	127.0.0.1:49671	kubernetes:5354	ESTABLISHED					
	TCP	127.0.0.1:49672	kubernetes:5354	ESTABLISHED					
	TCP	127.0.0.1:53426	kubernetes:53430	ESTABLISHED					
	TCP	127.0.0.1:53430	kubernetes:53426	ESTABLISHED					
	TCP	127.0.0.1:53495	kubernetes:53553	ESTABLISHED					
	TCP	127.0.0.1:53504	kubernetes:53552	ESTABLISHED					
	TCP	127.0.0.1:53552	kubernetes:53504	ESTABLISHED					

Comando por lotes

Hice este .bat para desplegar automáticamente un api en un servicio de el servidor de pruebas de mi trabajo.

```
#!/bin/bash
set -x
```

Directorio local del proyecto ASP.NET Core PROJECT_DIR="D:\Apps\control-panel-api"

```
# Datos del servidor
SERVER_USER="dev"
SERVER IP="192.168.11.253"
SERVER_DESTINATION="/home/dev"
# Navega al directorio del proyecto
cd "$PROJECT_DIR"
# Construye el proyecto ASP.NET Core (asegúrate de estar en el directorio
correcto y de tener dotnet CLI instalado)
echo "Construyendo el proyecto ASP.NET Core..."
dotnet publish -c Release -o published
# Conexión al servidor y ejecución de comandos
echo "Conectando al servidor para actualizar la aplicación..."
ssh $SERVER_USER@$SERVER_IP << 'EOF'
  # Borrar la carpeta existente
  echo "Eliminando la carpeta antigua..."
  rm -rf "$SERVER_DESTINATION/controlpanel"
  # Salir si el comando falla
  if [$? -ne 0]; then
    echo "Error al eliminar la carpeta antigua. Abortando..."
    exit 1
  fi
  echo "Carpeta antigua eliminada."
EOF
```

```
# Copia la carpeta publicada al servidor
echo "Copiando la nueva carpeta publicada al servidor..."

scp -r "$PROJECT_DIR/published"
$SERVER_USER@$SERVER_IP:"$SERVER_DESTINATION/controlpanel"

# Reiniciar el servicio bifrost en el servidor
ssh -t $SERVER_USER@$SERVER_IP << 'EOF'
echo "Reiniciando el servicio controlpanel..."
sudo -S systemctl restart controlpanel.service

# Verificar el estado del servicio
echo "Estado del servicio controlpanel:"
sudo -S systemctl status controlpanel.service
```

echo "La actualización del servidor ha sido completada."

EOF

read