

TRAINING DAY 21 REPORT

Understand Batch File Programming

Today, I learn some important concepts

Folder Bomber

A **folder bomber** is a script or program (often written in a language like Batch, Bash, or Python) that rapidly and repeatedly creates a large number of folders, often with the intent to:

- **Overwhelm a file system**
- **Consume disk space or system resources**
- **Disrupt normal computer operation**

This is typically considered a **malicious or prank tool**, especially if used without permission, as it can slow down or crash a system by filling storage or making navigation difficult.

How to collect system information using batch file programming

You can **collect system information using a batch file** by using built-in Windows commands. Here's a simple example of a batch script that gathers system info and saves it to a text file.

Batch Script: Collect System Information

```
@echo off
```

```
setlocal
```

```
REM Define output file
```

```
set "output=System_Info.txt"
```

```
echo Collecting system information...
```

```
echo System Information Report - %DATE% %TIME% > %output%
```

echo ----- >> %output%

REM Basic system info

echo Hostname: >> %output%

hostname >> %output%

echo. >> %output%

echo System Info: >> %output%

systeminfo >> %output%

echo. >> %output%

echo IP Configuration: >> %output%

ipconfig /all >> %output%

echo. >> %output%

echo Disk Information: >> %output%

wmic logicaldisk get name,description,freespace,size >> %output%

echo. >> %output%

echo Running Processes: >> %output%

tasklist >> %output%

echo. >> %output%

echo Installed Hotfixes: >> %output%

wmic qfe list brief >> %output%

echo. >> %output%

echo Environment Variables: >> %output%

set >> %output%

echo. >> %output%

echo Finished collecting system information.

pause

What this script collects:

- ☐ Hostname
- ☐ Full system configuration (systeminfo)
- ☐ IP and network settings (ipconfig /all)
- ☐ Disk space info using wmic
- ☐ Currently running processes (tasklist)
- ☐ Installed Windows updates (wmic qfe)
- ☐ Environment variables

Output:

- All the information is saved in System_Info.txt in the same directory as the batch file.

How to create a matrix using batch file programming

@echo off

color 0A

```
:loop  
echo %random% %random% %random% %random% %random%  
goto loop
```

What it does:

- color 0A = green text on black background.
- %random% generates random numbers.
- It loops forever, printing random numbers like falling code.