



```
C:\Users\abij9\Downloads\Comae-Toolkit-v20230117\x64>certutil -hashfile \Users\abij9\Downloads\drive1.E01 MD5
MD5 hash of \Users\abij9\Downloads\drive1.E01:
2ccfa510ee28712b01544594f4fad721
CertUtil: -hashfile command completed successfully.

C:\Users\abij9\Downloads\Comae-Toolkit-v20230117\x64>certutil -hashfile \Users\abij9\Downloads\drive1.E01 SHA1
SHA1 hash of \Users\abij9\Downloads\drive1.E01:
2baa0524e34a684e615061829b21d6b33cd906f8
CertUtil: -hashfile command completed successfully.
```

2. Memory Acquisition

Dump File: DESKTOP-VKNOGBH-20250423-202632.dmp

Location: C:\Users\abij9\Downloads\

Hash Verification:

- MD5: 56948ede7b2ac9d60aafc09268be62be5
- SHA1: f93382ba4b300c0ab423217bf9769e03f7b546c

Tool Used: DumpIt by Comae Toolkit v20230117

Execution: Run as Administrator to capture a full physical memory dump. File was saved in the local directory.

Verification Method: Hashes were verified using `certutil` commands in Command Prompt.

```
C:\Users\abij9\Downloads\Comae-Toolkit-v20230117\x64>certutil -hashfile DESKTOP-VKNOGBH-20250423-202632.dmp MD5
MD5 hash of DESKTOP-VKNOGBH-20250423-202632.dmp:
56948ede7b2ac9d60aafc09268be62be5
CertUtil: -hashfile command completed successfully.

C:\Users\abij9\Downloads\Comae-Toolkit-v20230117\x64>certutil -hashfile DESKTOP-VKNOGBH-20250423-202632.dmp SHA1
SHA1 hash of DESKTOP-VKNOGBH-20250423-202632.dmp:
f93382ba4b300c0ab423217bf9769e03f7b546c
CertUtil: -hashfile command completed successfully.
```

3. Write-Blocking Mechanism

Approach: Since disk acquisition was not performed manually (image file was provided), direct write-blocking was not needed. Evidence was handled in FTK Imager in read-only mode to simulate write-blocking. No modifications were made to the source image file.

4. Summary Table

Evidence Type	Tool Used	Hash Type	Hash Value	Notes
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Disk Image	FTK Imager	MD5	2ccfa510ee28712b01544594f4ad721	Mounted in read-only mode
Disk Image	FTK Imager	SHA1	2baa0524e34a684e615061829b21d6b33cd906f8	Verified via CertUtil
Memory Dump	Dumplt	MD5	56948ede7b2ac9d60aafc09268be62be5	Dumped using Dumplt with Admin rights
Memory Dump	Dumplt	SHA1	f93382ba4b300c0ab423217bf9769e03f7b546c	Verified via CertUtil

5. Tools and System Info

- **FTK Imager Version:** 4.7.3.81
- **Dumplt Version:** 20230117 x64
- **System:** Windows 10, Hostname: DESKTOP-VKNOGBH