

Dumping Data from an Image or Disk

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Introduction

When debugging or testing a digital forensic tool, or performing a data recovery procedure, you may have a requirement to extract some binary data from a forensic image or physical/logical disk. This is where DataDump can be of value.

DataDump

DataDump™ is a free tool which allows you to dump segments of data from an original source image or physical/logical device. It can be used for the following:

- Extract a stream of binary data from a source image or logical device
- Convert an entire image or a segment of an image to a single flat file
- Extract binary chunks of data from files, images or physical/logical devices
- Extract a partition from a source device as a single binary file
- Hash the output data using MD5, SHA-1, SHA-256 or SHA-512

Running DataDump

Once you have downloaded and installed the application, dumping a selection of binary data from your source is relatively straight forward.

1. Select the source by clicking on the **Select Source** drop down button menu, then select either **Disk Image File** or **Physical / Logical Device**
2. Select the file you want the data to write to by clicking on the **Output File** button
3. Select the **Logical Block Address (LBA)** of the start of the data you wish to extract
4. Select the **Block Count** or **End Logical Block Address (LBA)** to set the length of the data to be extracted
5. If you wish the dumped data to be hashed, select MD5, SHA-1, SHA-256 or SHA-512 from the drop down list
6. Click the **Start (F5)** button to start dumping data



DataDump v2.1

Select Source

Output File

Tools

Help

Exit

Import / Export Settings

Source

\\.\PHYSICALDRIVE4

Output File

D:\Desktop\PHYSICALDRIVE4.img

Data Selection

Start LBA

0

End LBA

7814037168

Block Count

7814037168

3.64 TB

Output Hash

MD5

00000000

00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F 10 11 12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E 1F

33 C0 8E D0 BC 00 7C 8E C0 8E D8 BE 00 7C BF 00 06 B9 00 02 FC F3 A4 50 68 1C 06 CB FB B9 04 00

00000020

8D BE 07 80 7E 00 00 7C 08 0F 85 0E 01 83 C5 10 E2 F1 CD 18 88 56 00 55 C6 46 11 05 C6 46 10 00

00000040

B4 41 BB AA 55 CD 13 5D 72 0F 81 FB 55 AA 75 09 F7 C1 01 00 74 03 FE 46 10 66 60 80 7E 10 00 74

00000060

26 66 68 00 00 00 00 66 FF 76 08 68 00 00 68 00 7C 68 01 00 68 10 00 B4 42 8A 56 00 8B F4 CD 13

00000080

9F 83 C4 10 9E EB 14 B8 01 02 BB 00 7C 8A 56 00 8A 76 01 8A 4E 02 8A 6E 03 CD 13 66 61 73 1C FE

000000A0

4E 11 75 0C 80 7E 00 0F 84 8A 00 B2 80 EB 84 55 32 E4 8A 56 00 CD 13 5D EB 9E 81 3E FE 7D 55

000000C0

AA 75 6E FF 76 00 E8 8D 00 75 17 FA 80 D1 E6 64 E8 83 00 B0 DF E6 60 E8 7C 00 B0 FF E6 64 E8 75

000000E0

00 FB B8 00 B8 CD 1A 66 23 C0 75 3B 66 81 FB 54 43 50 41 75 32 81 F9 02 01 72 2C 66 68 07 B8 00

00000100

00 66 68 00 02 00 00 66 68 08 00 00 00 66 53 66 53 66 55 66 68 00 00 00 00 66 68 00 7C 00 00 66

00000120

61 68 00 00 07 CD 1A 5A 32 F6 EA 00 7C 00 00 CD 18 A0 B7 07 EB 08 A0 B6 07 EB 03 A0 B5 07 32 E4

00000140

05 00 07 B8 F0 AC 3C 00 74 09 B8 07 00 B4 0E CD 10 EB F2 F4 EB FD 2B C9 E4 64 EB 00 24 02 E0 F8

00000160

24 02 C3 49 6E 76 61 6C 69 64 20 70 61 72 74 69 74 69 6F 6E 20 74 61 62 6C 65 00 45 72 72 6F 72

00000180

20 6C 6F 61 64 69 6E 67 20 6F 70 65 72 61 74 69 6E 67 20 73 79 73 74 65 6D 00 00 63 78 9A 00 00 00 00 00

000001A0

67 20 6F 70 65 72 61 74 69 6E 67 20 73 79 73 74 65 6D 00 00 00 00 00 00 00 00 00 00 00 00 00

000001C0

02 00 EE FE 3F 00 01 00 00 00 FF FF FF FF 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00

000001E0

00 55 AA

Block Count

0

www.digital-detective.net

Ready

The smallest block of data that can be dumped is 1 block (512 bytes).

Download

The software can be downloaded by clicking the button below:

Download DataDump™