

# Forensix Hex Dump Demo

## Basic Hex Dump

```
00000000  4D 5A 90 00 00 03 00 00 00 04 00 00 00 00 FF FF 00 00 |MZ.....|  
00000010  B8 00 00 00 00 00 00 00 00 40 00 00 00 00 00 00 00 |.....@.....|  
00000020  00 00 00 00 00 00 00 00 00 DE AD BE EF 0A | ..... |
```

## Highlighted & Annotated

**MZ**

```
00000000  4D 5A 90 00 00 03 00 00 00 |MZ.....|  
  
00000008  04 00 00 00 FF FF 00 00 | ..... |  
  
00000010  B8 00 00 00 00 00 00 00 | ..... |  
  
00000018  40 00 00 00 00 00 00 00 |@.....|  
  
00000020  00 00 00 00 00 00 00 00 | ..... |  
  
00000028  DE AD BE EF 0A | ..... |
```

**EOPGS**

## Custom Styling

**BlueHeader**

```
00000000  4D 5A 90 00 00 03 00 00 00 04 00 00 00 FF FF 00 00 |MZ.....|  
00000010  B8 00 00 00 00 00 00 00 00 40 00 00 00 00 00 00 |.....@.....|  
00000020  00 00 00 00 00 00 00 00 DE AD BE EF 0A | ..... |
```

**RangeStart**

## Annotations with Custom Colors

```
00000000  48 65 6C 6C 6F 20 57 6F 72 6C 64 |Hello World |
```

## File Input (reading typst.toml)

```
00000000  5B 70 61 63 6B 61 67 65 | [package]  
00000008  5D 0A 6E 61 6D 65 20 3D | ].name =|  
00000010  20 22 66 6F 72 65 6E 73 | "forens|  
00000018  69 78 22 0A 76 65 72 73 | ix".vers|  
00000020  69 6F 6E 20 3D 20 22 30 | ion = "0|  
00000028  2E 31 2E 30 22 0A 65 6E | .1.0".en|  
00000030  74 72 79 70 6F 69 6E 74 | trypoint|  
00000038  20 3D 20 22 6C 69 62 2E | = "lib.|
```

00000040 74 79 70 22 0A 61 75 74 |typ".aut|  
00000048 68 6F 72 73 20 3D 20 5B |hors = []|  
00000050 22 74 65 69 73 6D 61 72 |"teismar|  
00000058 22 5D 0A 6C 69 63 65 6E |"].licen|  
00000060 73 65 20 3D 20 22 4D 49 |se = "MI|  
00000068 54 22 0A 64 65 73 63 72 |T".descr|  
00000070 69 70 74 69 6F 6E 20 3D |ption =|  
00000078 20 22 41 20 70 61 63 6B | "A pack|  
00000080 61 67 65 20 66 6F 72 20 |age for |  
00000088 72 65 6E 64 65 72 69 6E |renderin|  
00000090 67 20 70 72 65 74 74 79 |g pretty|  
00000098 20 68 65 78 20 64 75 6D | hex dum|  
000000a0 70 73 20 61 6E 64 20 66 |ps and f|  
000000a8 6F 72 65 6E 73 69 63 73 |orensics|  
000000b0 20 61 72 74 69 66 61 63 | artifac|  
000000b8 74 73 2E 22 0A 6B 65 79 |ts.".key|  
000000c0 77 6F 72 64 73 20 3D 20 |words = |  
000000c8 5B 22 68 65 78 64 75 6D |["hexdum|  
000000d0 70 22 2C 20 22 66 6F 72 |p", "for|  
000000d8 65 6E 73 69 63 73 22 2C |ensics",|  
000000e0 20 22 64 61 74 61 20 76 | "data v|  
000000e8 69 73 75 61 6C 69 7A 61 |isualiza|  
000000f0 74 69 6F 6E 22 5D 0A 63 |tion"].c|  
000000f8 61 74 65 67 6F 72 69 65 |ategorie|  
00000100 73 20 3D 20 5B 22 76 69 |s = ["vi|  
00000108 73 75 61 6C 69 7A 61 74 |sualizat|  
00000110 69 6F 6E 22 2C 20 22 63 |ion", "c|  
00000118 6F 6D 70 6F 6E 65 6E 74 |omponent|

00000120 73 22 5D 0A 72 65 70 6F | s"].repo|

00000128 73 69 74 6F 72 79 20 3D |sitory =|

00000130 20 22 68 74 74 70 73 3A | "https:|

00000138 2F 2F 67 69 74 68 75 62 |//github|

00000140 2E 63 6F 6D 2F 74 65 69 | .com/tei|

00000148 73 6D 61 72 2F 74 79 70 |smar/typ|

00000150 73 74 2D 66 6F 72 65 6E |st-foren|

00000158 73 69 78 22 0A |six". |

## String Input

00000000 48 65 6C 6C 6F 20 57 6F 72 6C 64 20 66 72 6F 6D |Hello World from|

00000010 20 46 6F 72 65 6E 73 69 78 21 | Forensix! |

## Partial Partial (Ranges)

00000000 5B 70 61 63 6B 61 67 65 5D 0A 6E 61 6D 65 20 3D | [package].name =|  
[...]

00000040 74 79 70 22 0A 61 75 74 68 6F 72 73 20 3D 20 5B |typ".authors = [|  
[...]

## All

### PUSH(1) state byte

00000000 6A 01 5B 31 C0 88 43 07 |j.[1..C.|

00000008 89 5B 08 8D 4B 08 31 D2 |.[..K.1.|

00000010 31 C9 8D 73 08 CD 80 CC |1..s....|

### NOP sled [...]

00000018 CC 90 90 90 E8 00 00 |.....|

### exec path

00000020 00 00 2F 62 69 6E 2F 73 |../bin/s|

[...]