

TrueBlocks Index Digests:

File Format:

Header	size: 4 + 32 + 4 + 4 = 44 bytes
Address Table	array of size: 28 bytes * nAddresses
Appearance Table	array of size: 8 bytes * nAppearances

Header:

```
Header {  
    uint32 magic  
    uint8  hash[32]  
    uint32 nAddresses  
    uint32 nAppearances  
}
```

with:

magic (*uint32*): a magic number identifying the format
hash (*uint8*)[32]: unused — reserved for future use
nAddresses (*uint32*): number of rows in Address table
nAppearances (*uint32*): number of rows in Appearances table

Address Table:

```
Array of size nAddresses of {  
    uint8  address[20]  
    uint32 startRecord  
    uint32 nRecords  
}
```

with:

address (*uint8*[20]): an Ethereum address
startRecord (*uint32*): first record in the Appearances Table related to address
nRecords (*uint32*): number of records in Appearance Table related to address

Appearance Table:

```
Array of size nAppearances of {  
    uint32 blockNumber  
    uint32 transactionId  
}
```

with:

blockNumber (*uint32*): Ethereum block number of this appearance
transactionId (*uint32*): transaction id inside of this block