OpenTimestamps Certificate

Timestamp Information

Filename:

flatearthers-united.txt

Timestamp Created:

Bitcoin Block #891686 (Apr 09, 2025 23:09:32 UTC)

File SHA-256 Digest:

`3f56bcde286c41402f81e33b894eff37f85f71b3054d63e867c829ffbe5a7a6a`

Bitcoin Attestations

Attestation #1

Bitcoin Block Height:

891686

Block Time:

Apr 09, 2025 23:09:32 UTC

Block Hash:

`00000000000000000000cedda4ebc863a7e7988ff48777d522b05c30ac04dd8e`

Verification Operations:

```
Starting with digest:
3f56bcde286c41402f81e33b894eff37f85f71b3054d63e867c829ffbe5a7a6a
1. append e3a2f24f317f1134
2. sha256
3. append 9434ad4dbfcfee6e6c8eec6025756f4a
4. sha256
5. prepend
33821430ff0267a8fa842d1c2bdfedca206e37871a85257e117279fa26ae670c
6. sha256
7. prepend 67f6c9d5
8. append 1c6ef41ae7f3a7dd
9. sha256
10. append
79b8056ca0a009323a182bcac222fbb6256d9798c31d19f9a768793f0f31f357
```

11. sha256
12. append
be1ffbc84bb4c34d7e9b3bf157002c518c60dd5061f3a3a83744da3efc3d4bf7
13. sha256
14. append
054bf382b6605e0a0a1ff80a5c5a845907f68e1d9c975a97bebf2976a74a876e
15. sha256
16. prepend
5ca7161160bd56ab729a9a8725828c84bbfcb511f9212d8356ea50d46d7f9967
17. sha256
18. append
da180c6ca8bcaf5d839830ec4caf6e4cc9e399dd44af39afa6fddb3fde069cdb
19. sha256
20. append
2d5ede023221824535b3161877059966ac13742d5ac0e86c7981ddfe02896757
21. sha256
22. append
9b5b004911ee003525b4bf46481fb968d30d96567405c69fa8a8bafe25190f86
23. sha256
24. append
cb2fd94a56db78948f576c9a582d7f9939b2bda8cd73819754d005fc7c178bdb
25. sha256
26. append
002228ce21b249e6851c683622903a83d2fda8232094077f108740b33911ab04
27. sha256
28. append
9eefe623c05d6608201c21cad6a96f99a8d2ea446e10ffae551a1cc2ea51ad7f
29. sha256
30. prepend
22ebf779d3f7c654d45bfacca579a93f90b0608628c15eb1779b7b0b48219603
31. sha256
32. append
50d41dd3e9ee3de47b17d69ca614625d152b097e341f9bf8bb0957053a183028
33. sha256
34. prepend
e9d4231344c59764b19a58a4be9588c3fa5a737bdc6dc9b481962fea7ff3ed85
35. sha256
36. append
39256121d1e38e1e57a62b5fc6ed62bdc82dd095eed6a13013a8f3dc78c8f84c
37. sha256
38. prepend
010000000133da4aec6defc0c1b6d1d4fca7640c8d80fd6d62acdaa992e2e1ea36b4219f4c
0000000000feffffff0260d308000000000016001458403380 05f0ff10dc876c454830f382
a1a710370000000000000000226a20
39. append 259b0d00
40. sha256
41. sha256
42. append
e0d0535bc6ea9a1212ef758b806c0cab2f485acd43fa95d0b45c5703785f8ec4

43. sha256
44. sha256
45. append
7e7deccf84a242354c3026e017cb9391eef539c084a0857774029d3600757efa
46. sha256
47. sha256
48. append
0acca955624686468837d32a95cc296f33c1470014be4404ba8925a06c39a10a
49. sha256
50. sha256
51. prepend
c8cbda9faf84015f87d01921daf3f8e4265fdd9f193a9f020d7626ec432f11f7
52. sha256
53. sha256
54. append
52a81e28f233d7bf210193fbb14ac7ce6603d9ff28ad607cdd217acfcc735ff0
55. sha256
56. sha256
57. prepend
977ba6de28edfebdc79bc037c3eb60d19c8b3cf95704245e948c769b63fec93f
58. sha256
59. sha256
60. prepend
509437dfd2af5e282a771eab6f42842ad26fbffb7bbbb0cbf0ed849916f81627
61. sha256
62. sha256
63. append
5d3a281ddb8f5a9a660e1f332dca52c317cbc4ce9cea047910cad2041640ccc2
64. sha256
65. sha256
66. append
3733c82d49878aade1fef6679ae43ef362756cb3194b515da27188aabe965ad6
67. sha256
68. sha256
69. prepend
768e4aeeca2777005b9d83da84bf57e8c2c0c8237e96f248616fa563694000d0
70. sha256
71. sha256
72. prepend
d78e4078254254443a5bede886c2a6251a6d784766d0da707205d54773c92b62
73. sha256
74. sha256
75. append
256615b5085ec7c0b9ed63e81303048bc1c77ebdcfe64d254689aae9c3a1a010
76. sha256
77. sha256

Resulting merkle root:
7e33d3045fedc39bc655f9b4a060c51621999479f9d5ef609e046e49fe086368

Verification Instructions

1. Compute the SHA-256 digest of your file

To verify this timestamp, first compute the SHA-256 digest of your original file. You can use various tools for this:

- On Linux/macOS: Use the command "shasum -a 256 filename"
- On Windows: Use tools like PowerShell's "Get-FileHash" or third-party tools
- Online: Various websites can calculate file hashes, but only use trusted sources for sensitive files

Verify that the digest matches the one shown in this certificate.

2. Verify the operations sequence

The operations sequence shown in this certificate transforms the file digest into a value that was stored in the Bitcoin blockchain. To verify manually:

- Start with the file's SHA-256 digest
- Apply each operation in sequence as shown in the certificate
- For "append" operations, add the shown bytes to the end of the current value
- For "prepend" operations, add the shown bytes to the beginning of the current value
- For "sha256" operations, compute the SHA-256 hash of the current value
- The final result should match the merkle root shown in the certificate

3. Verify the Bitcoin attestation

For full verification, check that the merkle root was recorded in the Bitcoin blockchain:

- Find the Bitcoin block at the height shown in the certificate
- The block's merkle root or transaction should contain the computed value
- You can use block explorers like blockstream.info or blockchain.com
- The timestamp is confirmed when the merkle root appears in the blockchain

4. Use the OpenTimestamps verifier

For easier verification, use the OpenTimestamps verification tools:

- Command line: Use "ots verify <file> <file.ots>"
- Online: Visit https://opentimestamps.org and upload your file and .ots timestamp

- The tools will perform all verification steps automatically

Certificate generated at: 2025-04-11T22:35:40+02:00

OpenTimestamps - https://opentimestamps.org