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AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • **c_9_zero_trust_protocol.md**

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources .json

```

1  # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources `json`  

25
26  Extracted Hash Summary:  

27
28   Filename           SHA256          RIPEMD160  

29
30 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z.json 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d  

31 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z.json bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8  

32 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z.json 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca  

33 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z.json cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461  

34 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z.json a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd82c2aef718f5e5a98244d569f651fa833  

35 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z.json 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288  

36 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z.json 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5acf d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc  

37 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f  

38 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c  

39 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json 3cebe32bfff9e5062886300f42f4b09e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e  

40 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be  

41 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9dff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c  

42 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json 195cea7a1834831b859fbbe891d59c5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123  

43 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json 281892f60f240e05d17c7f3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32  

44 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368  

45 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6  

46 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c669445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8  

47 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87  

48 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d  

49 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69  

50 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba  

51 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14  

52 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca  

53 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3  

54 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594  

55 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8  

56 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a  

57 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698  

58 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2  

59 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83  

60 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8  

61
62  Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv  

63
64 ---  

65
66
67 ## Live Extraction of Original Hashes SENTINFRA  

68

```

Screen Reader Optimized Ln 48, Col 167 (105 selected) Spaces: 4 UTF-8 LF {} Markdown

Restricted Mode 0 ▲ 0 T9

Icons: smiley face, fingerprint, zoom, calendar (Aug 3), R, eagle, F, Bitcoin, EN, file, lock, envelope, Excel, VS Code, trash can.

Bottom right: Screenshot 8am (2) 2025-0...55.38am

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1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

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1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA
70 Enter full path to directory containing hash and files
71 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/ hashes/SENTINFRA
72
73 ✓ Extracted Hash Summary:
74
75 Filename SHA256 RIPEMD160
76
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd82c2aef718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffcc0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5ada47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488ee806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edab5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bfff9e5062886300f42f4b09e0f3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
102 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
103 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2afb0f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
104 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
105 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aaf5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
106 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
107 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
108
109 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/ hashes/SENTINFRA/hash_audit_report.csv
110 rosmontos@mac Sentinel3.1_public_tools_testing %
111 ``

1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

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 1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
 18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources ` .json` 

 20 Last login: Sun Aug 3 08:44:00 on ttys001
 21 rosmontos@mac ~ % cd "/Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing"
 22 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py
 23 Enter full path to directory containing ` .hash` and ` .2ha` files:
>>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies

 26 ✓ Extracted Hash Summary:

 28 Filename SHA256 RIPEMD160
 29
 30 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z.json 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
 31 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z.json bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
 32 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z.json 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
 33 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z.json cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
 34 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z.json a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cdbb2c2aef718f5e5a98244d569f651fa833
 35 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z.json 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
 36 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z.json 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adc 7d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
 37 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
 38 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
 39 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json 3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
 40 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
 41 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddd ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
 42 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
 43 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
 44 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
 45 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
 46 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
 47 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
 48 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
 49 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
 50 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
 51 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
 52 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
 53 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
 54 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
 55 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json 8df7e6b07b4015f5e331259cd4aea9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
 56 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e18b923d572b255ad96f1df58c6d6e6976dc74a
 57 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
 58 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
 59 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json fe27bc08ec39e1cfcc410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
 60 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8

 62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv
 63

```

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1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources.json

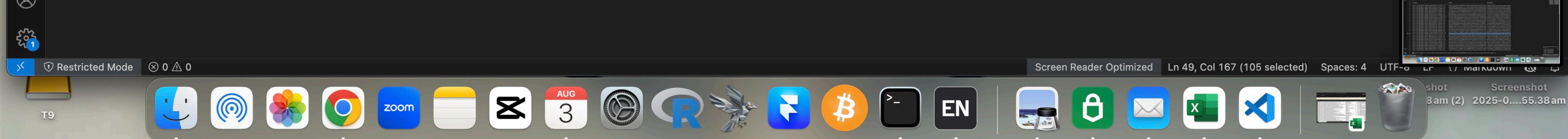
1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA

72
73 Extracted Hash Summary:

74
75 Filename SHA256 RIPEMD160

76

77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd82c2ae718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acab25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffcc0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bff9e5062886300f42f4b09e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aea9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfffefac74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
102 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
103 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
104 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
105 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aaaf5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
106 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
107 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
108
109 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/_hashes/SENTINFRA/hash_audit_report.csv
110 rosmontos@mac Sentinel3.1_public_tools_testing %
111 ``



1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources .json

```

1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources ` .json`
```

26 Extracted Hash Summary:

Filename	SHA256	RIPEMD160
audit_log_SENTINFRA-SESS002_20250728T034527.491779Z.json	35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5	1608433eafa81cdc8cdc5a5381e9c06e1740e87d
audit_log_SENTINFRA-LOG005_20250719T072638.828774Z.json	bd18c93b06335a05d4fb0a7c21714f5fdb1f33057a2c45607c28b038dac9c04	99f102c3f2e654d3e45dc813bf296277170443f8
audit_log_SENTINFRA-LOG006_20250719T072655.317458Z.json	7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff	74bd86628f762c5de4a2ce1b783b78482de96bca
audit_log_SENTINFRA-LOG014_20250720T021849.138963Z.json	cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d	9c29d3e2af96ce129cbf5e83e7a772be58ef8461
audit_log_SENTINFRA-LOG022_20250728T032815.551840Z.json	a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42	fe97cdbb2c2aef718f5e5a98244d569f651fa833
audit_log_SENTINFRA-LOG019_20250728T032727.445123Z.json	6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a	8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
audit_log_SENTINFRA-LOG009_20250719T072753.023026Z.json	3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5acf	d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json	9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9	ce6acb25c23ab250504145cfa657d292f639a24f
audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json	f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0	ea3a8f156273cf1ee696f8aae525c15b0910617c
audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json	3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e	987cf9cc669500dc1b179d86eaacd8c4178cbd3e
audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json	e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b	232f98b38f50d7571cdc4786b3628a7fa413c4be
audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json	b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff	ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json	195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc	5aa30f039b5083f08f0ea280e743831c355fd123
audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json	281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78	aa71bb1611fce96cdf60137f21b1b7649b5ade32
audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json	b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74	f5cb3b67020d9453c75ccf99b762062fa4af3368
audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json	f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842	74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json	aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae	31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json	c34c893f48ba12cd7e329a0b8bf2afb06f139d30892d6e534082f126affcfac3	2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json	38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490	0db672f7d44cb0c859c87cec81d1e9fd9329e37d
audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json	4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1	af16e0c1076add75f60c9efc1350fa16f794ff69
audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json	5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80	ecd2de218d958f359e2f9df0ccf132f502e462ba
audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json	7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67	9ab059c573469aa0961a3f32920705bb72d82f14
audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json	25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c	ca874197a16e9fa00931001f103be701e0d26fca
audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json	5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4	3da18c1a2c183ca24277b8d8047fd52b83a74ea3
audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json	a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c	b4c7dff3735665f5a2296cf971d0b31c1f225594
audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json	8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68	48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json	f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c	e181b923d572b255ad96f1df58c6d6e6976dc74a
audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json	96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074	14359d685e1c149212d9d289b8f91de307bc9698
audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json	ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756	e95b69719c349af90c94bab19e545ab132da1bb2
audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json	fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522	9d7a7f085c2cc756620592e3137fa11bb54fea83
audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json	7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f	f7055f4a29b6b0397d09bf991970134508f7f0a8
62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv		
63		
64		
65		
66		
67 ## Live Extraction of Original Hashes SENTINFRA		
68		

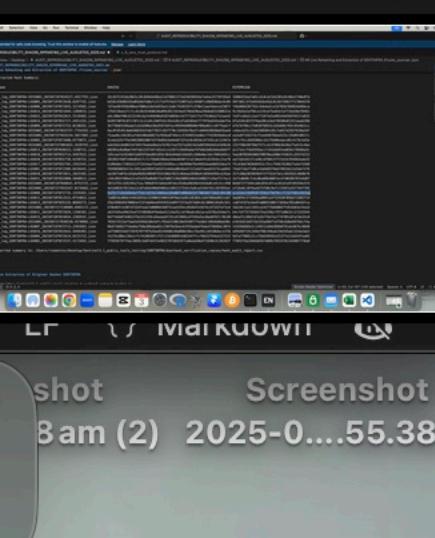
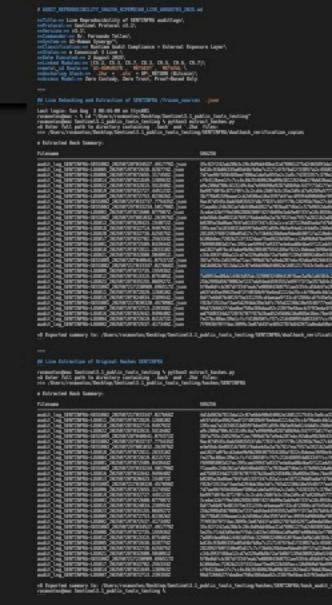
69 Open Sentinel3.1_public_tools_testing & run ./extract_hashes.py

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◀ AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • ▶ c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > ▶ AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > [abc] # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > [abc] ## Live Rehashing and Extraction of SENTINFRA /frozen_sources.json

```
1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA
68 ``
69 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py
70 📁 Enter full path to directory containing `.hash` and ` `.2ha` files:
71 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA
72
73 ✅ Extracted Hash Summary:
74
75 Filename SHA256 RIPEMD160
76 -----
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cdbb2c2aef718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
102 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
103 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
104 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
105 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
106 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
107 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
108
109 📁 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA/hash_audit_report.csv
110 rosmontos@mac Sentinel3.1_public_tools_testing %
111 ``
```



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Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources .json

```

1  # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources `json`
24 --> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies
25
26 ✓ Extracted Hash Summary:
27
28 Filename SHA256 RIPEMD160
29
30 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z.json 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
31 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z.json bd18c93b06335a05d4fb0a7c21714f5fdb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
32 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z.json 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43ecee238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
33 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z.json cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
34 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z.json a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cdcc2c2aef718f5e5a98244d569f651fa833
35 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z.json 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
36 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z.json 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adc 7d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
37 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
38 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aae525c15b0910617c
39 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json 3cebe32bff9e5062886300f42f4b09e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
40 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
41 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
42 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
43 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
44 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
45 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json f6990503d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
46 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
47 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json c34c893f48ba12cd7e329a0b8bf2afb0f139d30892d6e534082f126afffcac 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
48 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
49 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
50 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
51 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
52 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fc
53 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
54 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
55 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json 8df7e6b07b4015f5e331259cd4aea9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
56 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
57 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
58 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
59 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
60 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
61
62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv
63
64 ---
65
66
67 ## Live Extraction of Original Hashes SENTINFRA

```

Screen Reader Optimized Ln 51, Col 167 (105 selected) Spaces: 4 UTF-8 LF {} Markdown

Restricted Mode 0 ▲ 0 T9

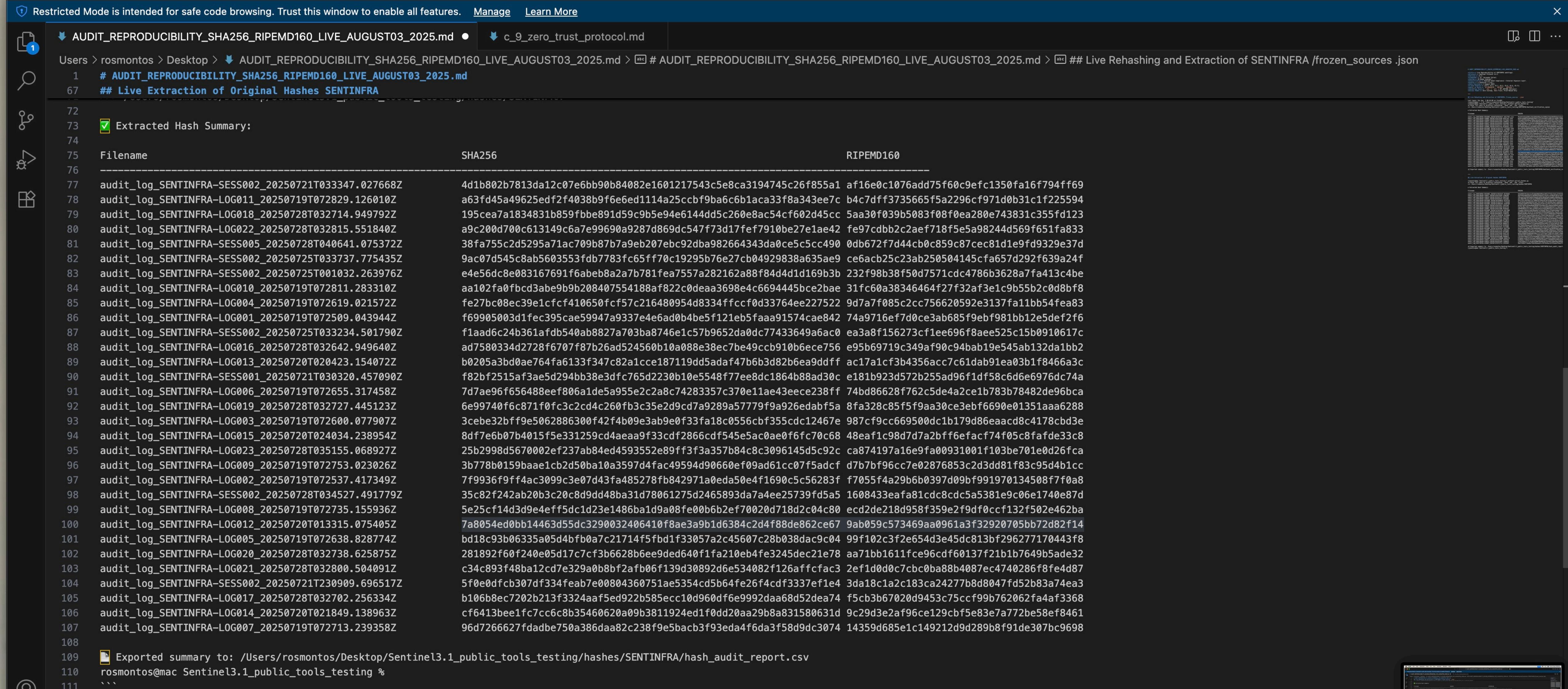
Icons: Home, Wi-Fi, Search, Battery, Screenshot, Screenshot 8am (2) 2025-0...55.38am, Screenshot 8am (2) 2025-0...55.38am

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1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md ● 2 c_9_zero_trust_protocol.md

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```
1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA
72
73  Extracted Hash Summary:
74
75 Filename SHA256 RIPEMD160
76
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7df3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd8b2c2aef718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd8628f762c5de4a2ce1b783b78482de96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bfff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bff6efacf74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fcfa
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
102 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
103 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
104 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
105 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aaf5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
106 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
107 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
108
109  Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/ hashes/SENTINFRA/hash_audit_report.csv
110 rosmontos@mac Sentinel3.1_public_tools_testing %
111 ```


```

1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources .json

1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources ` .json`

26 ✓ Extracted Hash Summary:

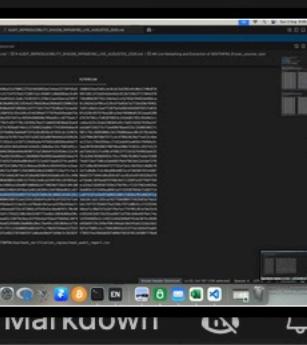
Filename	SHA256	RIPEMD160
audit_log_SENTINFRA-SESS002_20250728T034527.491779Z.json	35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5	1608433eafa81cdc8cdc5a5381e9c06e1740e87d
audit_log_SENTINFRA-LOG005_20250719T072638.828774Z.json	bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04	99f102c3f2e654d3e45dc813bf296277170443f8
audit_log_SENTINFRA-LOG006_20250719T072655.317458Z.json	7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff	74bd86628f762c5de4a2ce1b783b78482de96bca
audit_log_SENTINFRA-LOG014_20250720T021849.138963Z.json	cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d	9c29d3e2af96ce129cbf5e83e7a772be58ef8461
audit_log_SENTINFRA-LOG022_20250728T032815.551840Z.json	a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42	fe97cd82c2aef718f5e5a98244d569f651fa833
audit_log_SENTINFRA-LOG019_20250728T032727.445123Z.json	6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a	8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
audit_log_SENTINFRA-LOG009_20250719T072753.023026Z.json	3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf	d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json	9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9	ce6acb25c23ab250504145cfa657d292f639a24f
audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json	f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0	ea3a8f156273cf1ee696f8aee525c15b0910617c
audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json	3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e	987cf9cc669500dc1b179d86eaacd8c4178cbd3e
audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json	e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b	232f98b38f50d7571cdc4786b3628a7fa413c4be
audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json	b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9dff	ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json	195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc	5aa30f039b5083f08f0ea280e743831c355fd123
audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json	281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78	aa71bb1611fce96cdf60137f21b1b7649b5ade32
audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json	b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74	f5cb3b67020d9453c75ccf99b762062fa4af3368
audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json	f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842	74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json	aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c669445bce2bae	31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json	c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3	2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json	38fa755c2d5295a71ac709b87b7a9eb207ebc92dab982664343da0ce5c5cc490	0db672f7d44cb0c859c87cec81d1e9fd9329e37d
audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json	4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1	af16e0c1076add75f60c9efc1350fa16f794ff69
audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json	5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80	ecd2de218d958f359e2f9df0ccf132f502e462ba
audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json	7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67	9ab059c573469aa0961a3f32920705bb72d82f14
audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json	25b2998d567002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c	ca874197a16e9fa00931001f103be701e0d26fca
audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json	5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4	3da18c1a2c183ca24277b8d8047fd52b83a74ea3
audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json	a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c	b4c7dff3735665f5a2296cf971d0b31c1f225594
audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json	8df7e6b07b4015f5e331259cd4aea9f33cdf2866cdf545e5ac0ae0f6fc70c68	48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json	f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c	e181b923d572b255ad96f1df58c6d6e6976dc74a
audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json	96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074	14359d685e1c149212d9d289b8f91de307bc9698
audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json	ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756	e95b69719c349af90c94bab19e545ab132da1bb2
audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json	fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522	9d7a7f085c2cc756620592e3137fa11bb54fea83
audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json	7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f	f7055f4a29b6b0397d09bf991970134508f7f0a8
62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv		
63		
64		
65 ---		
66		
67 ## Live Extraction of Original Hashes SENTINFRA		
68		
69 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py		



1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

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Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources.json
1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA
68 ``
69 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py
70 Enter full path to directory containing `.hash` and `.2ha` files:
71 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA
72
73 ✓ Extracted Hash Summary:
74
75 Filename SHA256 RIPEMD160
76
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbfb9a6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd82c2aef718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffcc0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716eff7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e18b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482d96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bbf9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b848c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
102 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
103 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
104 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
105 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
106 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
107 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
108
109 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA/hash_audit_report.csv
110 rosmontos@mac Sentinel3.1_public_tools_testing %
111 ```

```

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1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources .json

```

1  # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources ` .json` 
26 ✓ Extracted Hash Summary:
27
28   Filename           SHA256          RIPEMD160
29 -----
30 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z.json 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
31 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z.json bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
32 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z.json 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
33 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z.json cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
34 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z.json a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd82c2aef718f5e5a98244d569f651fa833
35 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z.json 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
36 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z.json 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adc d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
37 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
38 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aae525c15b0910617c
39 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json 3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
40 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
41 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json b0205a3bd0ae764fa6133f347c82a1cce187119dd5ada47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
42 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
43 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
44 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
45 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716eff7d0ce3ab685f9ebf981bb12e5def2f6
46 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c669445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
47 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json c34c893f48ba12cd7e329a0b8bf2afb06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
48 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
49 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
50 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
51 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
52 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
53 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
54 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json a63fd45a49625edf2f4038b9f6e6ed1114a25ccbfb9a6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
55 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c88 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
56 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
57 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
58 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
59 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
60 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
61
62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv
63
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66
67 ## Live Extraction of Original Hashes SENTINFRA
68
69 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py

```

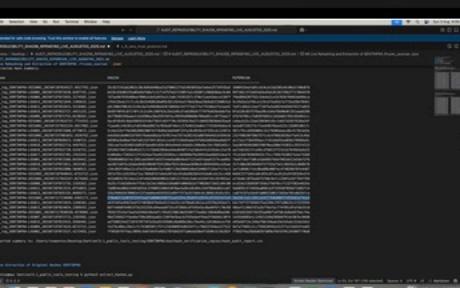
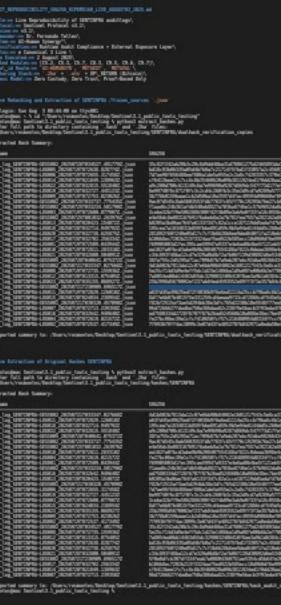
Restricted Mode 0 0 Screen Reader Optimized Ln 53, Col 167 (105 selected) Spaces: 4 UTF-8 LF {} Markdown Screenshot 8am (2) 2025-0...55.38am

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◀ AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • ↓ c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > ↓ AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > [abc] # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > [abc] ## Live Rehashing and Extraction of SENTINFRA /frozen_sources.json

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1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
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AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • **c_9_zero_trust_protocol.md**

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources .json

```

1  # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources `.json`
22 rosmontos@mac:~/Desktop/Sentinel3.1_public_tools_testing$ python3 extract_hashes.py
23 Enter full path to directory containing `hash` and `2ha` files:
24 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies
25
26 ✓ Extracted Hash Summary:
27
28 Filename SHA256 RIPEMD160
29
30 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z.json 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
31 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z.json bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
32 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z.json 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
33 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z.json cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
34 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z.json a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cdbb2c2aef718f5e5a98244d569f651fa833
35 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z.json 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
36 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z.json 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adc d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
37 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
38 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
39 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json 3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
40 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
41 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9dff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
42 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json 195cea7a1834831b859fbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
43 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
44 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json b106b8ec7202b213f3324aaf5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
45 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
46 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
47 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
48 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
49 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
50 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
51 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
52 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
53 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
54 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
55 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
56 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
57 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
58 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
59 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
60 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
61
62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv
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1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources.json

```
1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA
68 rosmontos@mac Sentinel3.1_public_tools_testing % pythons extract_nasnes.py
69 Enter full path to directory containing `.hash` and `*.sha` files:
70 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA
71
72
73 ✓ Extracted Hash Summary:
74
75 Filename SHA256 RIPEMD160
76
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd82c2aef718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dab982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cf657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffcc0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11aae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aea9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcfc d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
102 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
103 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
104 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
105 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
106 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
107 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
108
109 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA/hash_audit_report.csv
110 rosmontos@mac Sentinel3.1_public_tools_testing %
111 ```



Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA/hash_audit_report.csv

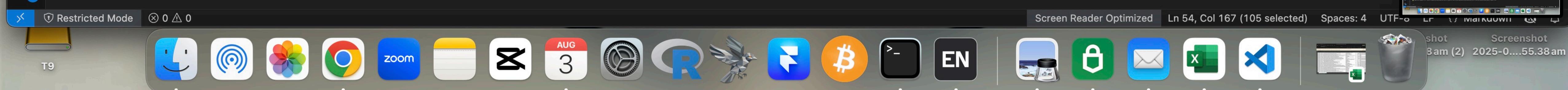


rosmontos@mac Sentinel3.1_public_tools_testing %

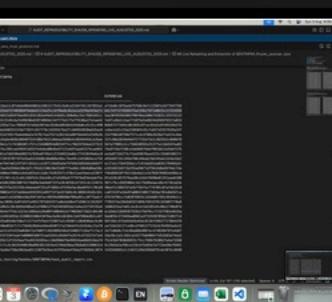
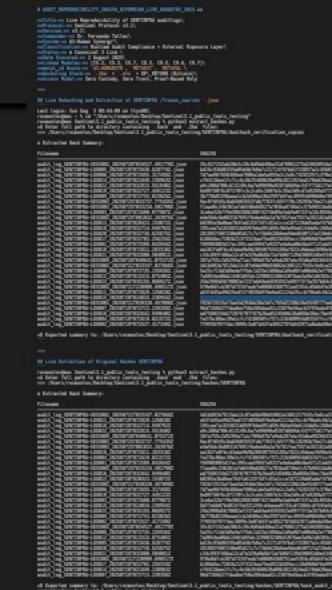


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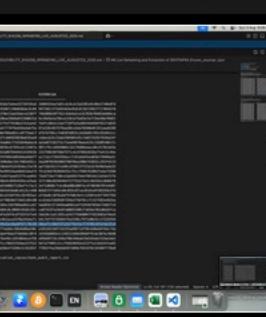
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◀ AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • ▶ c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > ▶ AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources .json

```
1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA
72
73  Extracted Hash Summary:
74
75 Filename SHA256 RIPEMD160
76 -----
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccb9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cdbb2c2aef718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9dff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bfff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bff6efacf74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
102 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
103 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2afb06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
104 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
105 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
106 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
107 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
108
109  Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/_hashes/SENTINFRA/hash_audit_report.csv
110 rosmontos@mac Sentinel3.1_public_tools_testing %
111 ```

This block contains the content of the file 'AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md' as shown in the terminal window. It includes a table comparing SHA256 and RIPEMD160 hash values for various log files, and concludes with an export summary and a command prompt. The file path is indicated by a blue arrow icon at the top left.
```



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◀ AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md ● ▶ c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources.json

```
1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources ` .json`  
58 audit_log_SENTINFRA-SESS002_20250725T033234.5017902.json  
39 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json  
40 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json  
41 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json  
42 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json  
43 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json  
44 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json  
45 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json  
46 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json  
47 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json  
48 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json  
49 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json  
50 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json  
51 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json  
52 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json  
53 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json  
54 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json  
55 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json  
56 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json  
57 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json  
58 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json  
59 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json  
60 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json  
61
62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv
63
64
65 ---
66
67 ## Live Extraction of Original Hashes SENTINFRA
68
69 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py
70 Enter full path to directory containing `.hash` and `2ha` files:
71 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA
72
73 ✓ Extracted Hash Summary:
74
75 Filename SHA256 RIPEMD160
76
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd82c2ae718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033234.5017902 01a00c240561afdb540ab8827a703ba8746e1c57b9652da0dc7455649abac0 ea5a81156273c11eeb9018aee525c15b0910617c
83 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bfff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
84 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
85 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
86 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
87 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
88 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aab5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
89 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
90 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
91 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2afb06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
92 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
93 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
94 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
95 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
96 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
97 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
98 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
99 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
100 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
101 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
102 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
103 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
104 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
105
106
107 ---
```

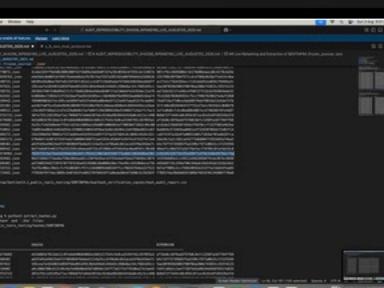
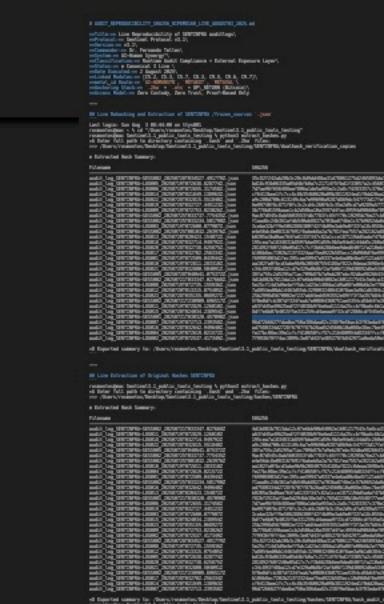


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◀ AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • ▶ c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > ▶ AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > □ # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > □ ## Live Rehashing and Extraction of SENTINFRA /frozen_sources.json

```
1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA
68
69 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py
70 └─ Enter full path to directory containing `hash` and `2ha` files:
71 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA
72
73 ✓ Extracted Hash Summary:
74
75 Filename SHA256 RIPEMD160
76 -----
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cdbb2c2aef718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aeee525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddf ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c0480 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fbd1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
102 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
103 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2afb0f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
104 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
105 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
106 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
107 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
108
109 └─ Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA/hash_audit_report.csv
110 rosmontos@mac Sentinel3.1_public_tools_testing %
```



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Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources .json

```

1  # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources `json`
```

Filename	SHA256	RIPEMD160
audit_log_SENTINFRA-SESS002_20250728T034527.491779Z.json	35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5	1608433eafa81cdc8cdc5a5381e9c06e1740e87d
audit_log_SENTINFRA-LOG005_20250719T072638.828774Z.json	bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04	99f102c3f2e654d3e45dc813bf296277170443f8
audit_log_SENTINFRA-LOG006_20250719T072655.317458Z.json	7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff	74bd86628f762c5de4a2ce1b783b78482de96bca
audit_log_SENTINFRA-LOG014_20250720T021849.138963Z.json	cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d	9c29d3e2af96ce129cbf5e83e7a772be58ef8461
audit_log_SENTINFRA-LOG022_20250728T032815.551840Z.json	a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42	fe97cd82c2aef718f5e5a98244d569f651fa833
audit_log_SENTINFRA-LOG019_20250728T032727.445123Z.json	6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a	8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
audit_log_SENTINFRA-LOG009_20250719T072753.023026Z.json	3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf	d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json	9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9	ce6acab25c23ab250504145cfa657d292f639a24f
audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json	f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0	ea3a8f156273cf1ee696f8aee525c15b0910617c
audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json	3cebe32bfff9e5062886300f42f4b09e0f33fa18c0556cbf355cdc12467e	987cf9cc669500dc1b179d86eaacd8c4178cbd3e
audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json	e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b	232f98b38f50d7571cdc4786b3628a7fa413c4be
audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json	b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff	ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json	195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc	5aa30f039b5083f08f0ea280e743831c355fd123
audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json	281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78	aa71bb1611fce96cdf60137f21b1b7649b5ade32
audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json	b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74	f5cb3b67020d9453c75ccf99b762062fa4af3368
audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json	f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842	74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json	aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c669445bce2bae	31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json	c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3	2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json	38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490	0db672f7d44cb0c859c87cec81d1e9fd9329e37d
audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json	4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1	af16e0c1076add75f60c9efc1350fa16f794ff69
audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json	5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80	ecd2de218d958f359e2f9df0ccf132f502e462ba
audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json	7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67	9ab059c573469aa0961a3f32920705bb72d82f14
audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json	25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c	ca874197a16e9fa00931001f103be701e0d26fca
audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json	5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4	3da18c1a2c183ca24277b8d8047fd52b83a74ea3
audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json	a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c	b4c7dff3735665f5a2296cf971d0b31c1f225594
audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json	8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68	48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json	f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c	e181b923d572b255ad96f1df58c6d6e6976dc74a
audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json	96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074	14359d685e1c149212d9d289b8f91de307bc9698
audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json	ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756	e95b69719c349af90c94bab19e545ab132da1bb2
audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json	fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522	9d7a7f085c2cc756620592e3137fa11bb54fea83
audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json	7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f	f7055f4a29b6b0397d09bf991970134508f7f0a8
62	Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv	
63	...	
64	--	
65	## Live Extraction of Original Hashes SENTINFRA	
66	...	
67	rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py	
68	Enter full path to directory containing `hash` and `sha` files:	

Restricted Mode 0 □ 0 □ 0 □ Screen Reader Optimized Ln 57, Col 167 (105 selected) Spaces: 4 UTF-8 LF {} Markdown Screenshot 8 am (2) 2025-0...55.38 am

AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md

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1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA
70 Enter full path to directory containing `.hash` and `sha` files:
>>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA
72
73 ✓ Extracted Hash Summary:
74
75 Filename SHA256 RIPEMD160
76
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd82c2aef718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bc2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccfd33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5ada47b6b3d82b6ea9ddd ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adc d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
102 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
103 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2afb06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
104 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
105 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
106 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
107 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
108
109 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/hash_audit_report.csv
110 rosmontos@mac Sentinel3.1_public_tools_testing %
111 ``

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T9

Code Editor Screenshot 8 am (2) 2025-08-03 55.38 am

1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md

18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources.json

37 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json

38 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json

39 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json

40 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json

41 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json

42 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json

43 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json

44 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json

45 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json

46 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json

47 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json

48 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json

49 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json

50 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json

51 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json

52 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json

53 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json

54 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json

55 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json

56 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json

57 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json

58 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json

59 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json

60 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json

61

62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv

63

64

65

66

67 ## Live Extraction of Original Hashes SENTINFRA

68

69 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py

70 Enter full path to directory containing `.hash` and ` `.2ha` files:

71 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA

72

73 ✓ Extracted Hash Summary:

Filename	SHA256	RIPEMD160
audit_log_SENTINFRA-SESS002_20250721T033347.027668Z	4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1	af16e0c1076add75f60c9efc1350fa16f794ff69
audit_log_SENTINFRA-LOG011_20250719T072829.126010Z	a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c	b4c7dff3735665f5a2296cf971d0b31c1f225594
audit_log_SENTINFRA-LOG018_20250728T032714.949792Z	195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc	5aa30f039b5083f08f0ea280e743831c355fd123
audit_log_SENTINFRA-LOG020_20250728T032738.625875Z	20200d700c612140c657e006002027d960d6c17f73d17f7af7010b27a12e42	f007cd8b2200f719f5e55208211d560f651f2822

T9

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1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources.json

1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA

70 Enter full path to directory containing `.hash` and `.`2ha` files:
>>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/_hashes/SENTINFRA

73 Extracted Hash Summary:

Filename	SHA256	RIPEMD160
audit_log_SENTINFRA-SESS002_20250721T033347.027668Z	4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1	af16e0c1076add75f60c9efc1350fa16f794ff69
audit_log_SENTINFRA-LOG011_20250719T072829.126010Z	a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c	b4c7dff3735665f5a2296cf971d0b31c1f225594
audit_log_SENTINFRA-LOG018_20250728T032714.949792Z	195cea7a1834831b859fbb891d59c9b5e94e6144dd5c260e8ac54cf602d45cc	5aa30f039b5083f08f0ea280e743831c355fd123
audit_log_SENTINFRA-LOG022_20250728T032815.551840Z	a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42	fe97cd8b2c2aef718f5e5a98244d569f651fa833
audit_log_SENTINFRA-SESS005_20250728T040641.075372Z	38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490	0db672f7d44cb0c859c87cec81d1e9fd9329e37d
audit_log_SENTINFRA-SESS002_20250725T033737.775435Z	9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9	ce6acab25c23ab250504145cfa657d292f639a24f
audit_log_SENTINFRA-SESS002_20250725T001032.263976Z	e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b	232f98b38f50d7571cdc4786b3628a7fa413c4be
audit_log_SENTINFRA-LOG010_20250719T072811.283310Z	aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae	31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
audit_log_SENTINFRA-LOG004_20250719T072619.021572Z	fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffcc0d33764ee227522	9d7a7f085c2cc756620592e3137fa11bb54fea83
audit_log_SENTINFRA-LOG001_20250719T072509.043944Z	f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842	74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
audit_log_SENTINFRA-SESS002_20250725T033234.501790Z	f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0	ea3a8f156273cf1ee696f8aae525c15b0910617c
audit_log_SENTINFRA-LOG016_20250728T032642.949640Z	ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756	e95b69719c349af90c94bab19e545ab132da1bb2
audit_log_SENTINFRA-LOG013_20250720T020423.154072Z	b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff	ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
audit_log_SENTINFRA-SESS001_20250721T030320.457090Z	f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c	e181b923d572b255ad96f1df58c6d6e6976dc74a
audit_log_SENTINFRA-LOG006_20250719T072655.317458Z	7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff	74bd86628f762c5de4a2ce1b783b78482de96bca
audit_log_SENTINFRA-LOG019_20250728T032727.445123Z	6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a	8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
audit_log_SENTINFRA-LOG003_20250719T072600.077907Z	3cebe32bfff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e	987cf9cc669500dc1b179d86eaacd8c4178cbd3e
audit_log_SENTINFRA-LOG015_20250720T024034.238954Z	8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68	48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
audit_log_SENTINFRA-LOG023_20250728T035155.068927Z	25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c	ca874197a16e9fa00931001f103be701e0d26fca
audit_log_SENTINFRA-LOG009_20250719T072753.023026Z	3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf	d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
audit_log_SENTINFRA-LOG002_20250719T072537.417349Z	7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f	f7055f4a29b6b0397d09bf991970134508f7f0a8
audit_log_SENTINFRA-SESS002_20250728T034527.491779Z	35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5	1608433eafa81cdc8cdc5a5381e9c06e1740e87d
audit_log_SENTINFRA-LOG008_20250719T072735.155936Z	5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80	ecd2de218d958f359e2f9df0ccf132f502e462ba
audit_log_SENTINFRA-LOG012_20250720T013315.075405Z	7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67	9ab059c573469aa0961a3f32920705bb72d82f14
audit_log_SENTINFRA-LOG005_20250719T072638.828774Z	bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04	99f102c3f2e654d3e45dc813bf296277170443f8
audit_log_SENTINFRA-LOG020_20250728T032738.625875Z	281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78	aa71bb1611fce96cdf60137f21b1b7649b5ade32
audit_log_SENTINFRA-LOG021_20250728T032800.504091Z	c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3	2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
audit_log_SENTINFRA-SESS002_20250721T230909.696517Z	5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4	3da18c1a2c183ca24277b8d8047fd52b83a74ea3
audit_log_SENTINFRA-LOG017_20250728T032702.256334Z	b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74	f5cb3b67020d9453c75ccf99b762062fa4af3368
audit_log_SENTINFRA-LOG014_20250720T021849.138963Z	cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d	9c29d3e2af96ce129cbf5e83e7a772be58ef8461
audit_log_SENTINFRA-LOG007_20250719T072713.239358Z	96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074	14359d685e1c149212d9d289b8f91de307bc9698
109 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/_hashes/SENTINFRA/hash_audit_report.csv		
110 rosmontos@mac Sentinel3.1_public_tools_testing %		
111 ``		

AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md

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1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources ` .json`
26 ✓ Extracted Hash Summary:

Filename	SHA256	RIPEMD160
audit_log_SENTINFRA-SESS002_20250728T034527.491779Z.json	35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5	1608433ea1fa81cdc8cdc5a5381e9c06e1740e87d
audit_log_SENTINFRA-LOG005_20250719T072638.828774Z.json	bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04	99f102c3f2e654d3e45dc813bf296277170443f8
audit_log_SENTINFRA-LOG006_20250719T072655.317458Z.json	7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff	74bd86628f762c5de4a2ce1b783b78482de96bca
audit_log_SENTINFRA-LOG014_20250720T021849.138963Z.json	cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d	9c29d3e2af96ce129cbf5e83e7a772be58ef8461
audit_log_SENTINFRA-LOG022_20250728T032815.551840Z.json	a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42	fe97cd82c2aef718f5e5a98244d569f651fa833
audit_log_SENTINFRA-LOG019_20250728T032727.445123Z.json	6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a	8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
audit_log_SENTINFRA-LOG009_20250719T072753.023026Z.json	3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adc	d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json	9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9	ce6acb25c23ab250504145cfaf657d292f639a24f
audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json	f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0	ea3a8f156273cf1ee696f8aae525c15b0910617c
audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json	3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e	987cf9cc669500dc1b179d86eaacd8c4178cbd3e
audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json	e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b	232f98b38f50d7571cdc4786b3628a7fa413c4be
audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json	b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9dff	ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json	195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc	5aa30f039b5083f08f0ea280e743831c355fd123
audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json	281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78	aa71bb1611fce96cdf60137f21b1b7649b5ade32
audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json	b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74	f5cb3b67020d9453c75ccf99b762062fa4af3368
audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json	f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842	74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json	aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c669445bce2bae	31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json	c34c893f48ba12cd7e329a0b8bf2afb06f139d30892d6e534082f126affcfac3	2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json	38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490	0db672f7d44cb0c859c87cec81d1e9fd9329e37d
audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json	4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1	af16e0c1076add75f60c9efc1350fa16f794ff69
audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json	5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80	ecd2de218d958f359e2f9df0ccf132f502e462ba
audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json	7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67	9ab059c573469aa0961a3f32920705bb72d82f14
audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json	25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c	ca874197a16e9fa00931001f103be701e0d26fca
audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json	5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4	3da18c1a2c183ca24277b8d8047fd52b83a74ea3
audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json	a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c	b4c7dff3735665f5a2296cf971d0b31c1f225594
audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json	8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68	48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json	f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c	e181b923d572b255ad96f1df58c6d6e6976dc74a
audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json	96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074	14359d685e1c149212d9d289b8f91de307bc9698
audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json	ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756	e95b69719c349af90c94bab19e545ab132da1bb2
audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json	fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522	9d7a7f085c2cc756620592e3137fa11bb54fea83
audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json	7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f	f7055f4a29b6b0397d09bf991970134508f7f0a8
62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv		
63		
64		
65		
66		
67 ## Live Extraction of Original Hashes SENTINFRA		
68		
69 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py		

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1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources.json

1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
67 ## Live Extraction of Original Hashes SENTINFRA
70 Enter full path to directory containing `.hash` and `.2ha` files:
>>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/_hashes/SENTINFRA
72
73 Extracted Hash Summary:
74
75 Filename SHA256 RIPEMD160
76
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd8b2c2aef718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aae525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af09c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bfff9e5062886300f42f4b09e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adc7 d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
102 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
103 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
104 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
105 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z b106b8ec7202b213f3324aa5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
106 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
107 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
108
109 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/_hashes/SENTINFRA/hash_audit_report.csv
110 rosmontos@mac Sentinel3.1_public_tools_testing %
111 ``

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1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

```

Users > rosmontos > Desktop > AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md > ## Live Rehashing and Extraction of SENTINFRA /frozen_sources .json
 1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources `.json`
40 audit_log_SENTINFRA-SESS002_20250720T01032.263976Z.json e4e5bac8e0831b/691t6abeb8a2a/b/81tea/b5/a282162a88t84d4d1d169b3b 232t98d38t50d/5/1cdc4/86b3b28a/ta413c4be
41 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9dff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
42 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json 195cea7a1834831b859fbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
43 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
44 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json b106b8ec7202b213f3324aaf5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
45 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
46 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
47 audit_log_SENTINFRA-LOG021_20250728T032800.504091Z.json c34c893f48ba12cd7e329a0b8bf2af06f139d30892d6e534082f126affcfac3 2ef1d0d0c7cbc0ba88b4087ec4740286f8fe4d87
48 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z.json 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
49 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z.json 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
50 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z.json 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
51 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z.json 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
52 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z.json 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fca
53 audit_log_SENTINFRA-SESS002_20250721T230909.696517Z.json 5f0e0dfcb307df334feab7e00804360751ae5354cd5b64fe26f4cdf3337ef1e4 3da18c1a2c183ca24277b8d8047fd52b83a74ea3
54 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z.json a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
55 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z.json 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
56 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z.json f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
57 audit_log_SENTINFRA-LOG007_20250719T072713.239358Z.json 96d7266627fdadbe750a386daa82c238f9e5bacb3f93eda4f6da3f58d9dc3074 14359d685e1c149212d9d289b8f91de307bc9698
58 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
59 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json fe27bc08ec39e1cfccf410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
60 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8

61 
62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv
63 
64 
65 --- 
66 
67 ## Live Extraction of Original Hashes SENTINFRA
68 
69 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py
70 Enter full path to directory containing `hash` and `2ha` files:
71 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA
72 
73 Extracted Hash Summary:
74 
75 Filename SHA256 RIPEMD160
76 
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd82c2ae718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be

  
```

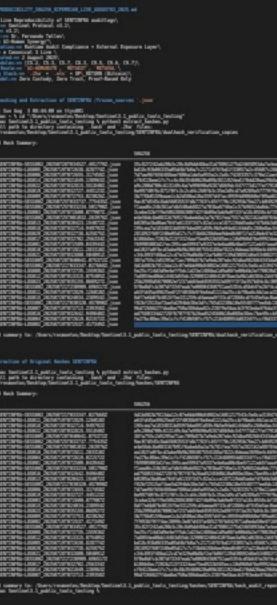
Restricted Mode 0 ▲ 0 Screen Reader Optimized Ln 60, Col 167 (105 selected) Spaces: 4 UTF-8 LF {} Markdown Screenshot 8 am (2) 2025-0...55.38am

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```
1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources ` .json` 
58 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z.json ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
59 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z.json fe27bc08ec39e1cfef410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
60 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z.json 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
61 
62 Exported summary to: /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies/hash_audit_report.csv
63 
64 
65 --- 
66 
67 ## Live Extraction of Original Hashes SENTINFRA
68 
69 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py
70 Enter full path to directory containing ` .hash` and ` .2ha` files:
71 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/hashes/SENTINFRA
72 
73 ✓ Extracted Hash Summary:
74 
75 Filename SHA256 RIPEMD160
76 -----
77 audit_log_SENTINFRA-SESS002_20250721T033347.027668Z 4d1b802b7813da12c07e6bb90b84082e1601217543c5e8ca3194745c26f855a1 af16e0c1076add75f60c9efc1350fa16f794ff69
78 audit_log_SENTINFRA-LOG011_20250719T072829.126010Z a63fd45a49625edf2f4038b9f6e6ed1114a25ccbf9ba6c6b1aca33f8a343ee7c b4c7dff3735665f5a2296cf971d0b31c1f225594
79 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z 195cea7a1834831b859fbbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
80 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ae42 fe97cd8b2c2aef718f5e5a98244d569f651fa833
81 audit_log_SENTINFRA-SESS005_20250728T040641.075372Z 38fa755c2d5295a71ac709b87b7a9eb207ebc92dba982664343da0ce5c5cc490 0db672f7d44cb0c859c87cec81d1e9fd9329e37d
82 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
83 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
84 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
85 audit_log_SENTINFRA-LOG004_20250719T072619.021572Z fe27bc08ec39e1cfef410650fcf57c216480954d8334ffccf0d33764ee227522 9d7a7f085c2cc756620592e3137fa11bb54fea83
86 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
87 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aee525c15b0910617c
88 audit_log_SENTINFRA-LOG016_20250728T032642.949640Z ad7580334d2728f6707f87b26ad524560b10a088e38ec7be49ccb910b6ece756 e95b69719c349af90c94bab19e545ab132da1bb2
89 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z b0205a3bd0ae764fa6133f347c82a1cce18719dd5adaf47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
90 audit_log_SENTINFRA-SESS001_20250721T030320.457090Z f82bf2515af3ae5d294bb38e3dfc765d2230b10e5548f77ee8dc1864b88ad30c e181b923d572b255ad96f1df58c6d6e6976dc74a
91 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
92 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
93 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z 3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eaacd8c4178cbd3e
94 audit_log_SENTINFRA-LOG015_20250720T024034.238954Z 8df7e6b07b4015f5e331259cd4aeaa9f33cdf2866cdf545e5ac0ae0f6fc70c68 48eaf1c98d7d7a2bfff6efacf74f05c8fafde33c8
95 audit_log_SENTINFRA-LOG023_20250728T035155.068927Z 25b2998d5670002ef237ab84ed4593552e89ff3f3a357b84c8c3096145d5c92c ca874197a16e9fa00931001f103be701e0d26fc
96 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adcf d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
97 audit_log_SENTINFRA-LOG002_20250719T072537.417349Z 7f9936f9ff4ac3099c3e07d43fa485278fb842971a0eda50e4f1690c5c56283f f7055f4a29b6b0397d09bf991970134508f7f0a8
98 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
99 audit_log_SENTINFRA-LOG008_20250719T072735.155936Z 5e25cf14d3d9e4eff5dc1d23e1486ba1d9a08fe00b6b2ef70020d718d2c04c80 ecd2de218d958f359e2f9df0ccf132f502e462ba
100 audit_log_SENTINFRA-LOG012_20250720T013315.075405Z 7a8054ed0bb14463d55dc3290032406410f8ae3a9b1d6384c2d4f88de862ce67 9ab059c573469aa0961a3f32920705bb72d82f14
101 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z bd18c93b06335a05d4fb0a7c21714f5fb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
```



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1 AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md • 2 c_9_zero_trust_protocol.md

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```
1 # AUDIT_REPRODUCIBILITY_SHA256_RIPEMD160_LIVE_AUGUST03_2025.md
2
3 **Title:** Live Reproducibility of SENTINFRA auditlogs\
4 **Protocol:** Sentinel Protocol v3.1\
5 **Version:** v3.1\
6 **Commander:** Dr. Fernando Telles\
7 **System:** AI-Human Synergy\
8 **Classification:** Runtime Audit Compliance + External Exposure Layer\
9 **Status:**  Canonical  PASS \
10 **Date Executed:** 2 August 2025\
11 **Linked Modules:** [C5.2, C5.3, C5.7, C8.3, C9.5, C9.6, C9.7]\
12 **meta_id Route:** `AI-HUMANSYN`, `METAEXT`, `METAVAL`\
13 **Anchoring Stack:** `.2ha` + `.ots` + OP\_RETURN (Bitcoin)\
14 **Access Model:** Zero Custody, Zero Trust, Proof-Based Only
15
16 ---
17
18 ## Live Rehashing and Extraction of SENTINFRA /frozen_sources `json`\
19 ```
20 Last login: Sun Aug 3 08:44:00 on ttys001
21 rosmontos@mac ~ % cd "/Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing"
22 rosmontos@mac Sentinel3.1_public_tools_testing % python3 extract_hashes.py
23  Enter full path to directory containing `.hash` and `.2ha` files:
24 >>> /Users/rosmontos/Desktop/Sentinel3.1_public_tools_testing/SENTINFRA/dualhash_verification_copies
25
26  Extracted Hash Summary:
27
28 Filename SHA256 RIPEMD160
29
30 audit_log_SENTINFRA-SESS002_20250728T034527.491779Z.json 35c82f242ab20b3c20c8d9dd48ba31d78061275d2465893da7a4ee25739fd5a5 1608433eafa81cdc8cdc5a5381e9c06e1740e87d
31 audit_log_SENTINFRA-LOG005_20250719T072638.828774Z.json bd18c93b06335a05d4fb0a7c21714f5fdb1f33057a2c45607c28b038dac9c04 99f102c3f2e654d3e45dc813bf296277170443f8
32 audit_log_SENTINFRA-LOG006_20250719T072655.317458Z.json 7d7ae96f656488eef806a1de5a955e2c2a8c74283357c370e11ae43eece238ff 74bd86628f762c5de4a2ce1b783b78482de96bca
33 audit_log_SENTINFRA-LOG014_20250720T021849.138963Z.json cf6413bee1fc7cc6c8b35460620a09b3811924ed1f0dd20aa29b8a831580631d 9c29d3e2af96ce129cbf5e83e7a772be58ef8461
34 audit_log_SENTINFRA-LOG022_20250728T032815.551840Z.json a9c200d700c613149c6a7e99690a9287d869dc547f73d17fef7910be27e1ea42 fe97cd82c2aef718f5e5a98244d569f651fa833
35 audit_log_SENTINFRA-LOG019_20250728T032727.445123Z.json 6e99740f6c871f0fc3c2cd4c260fb3c35e2d9cd7a9289a57779f9a926edabf5a 8fa328c85f5f9aa30ce3ebf6690e01351aaa6288
36 audit_log_SENTINFRA-LOG009_20250719T072753.023026Z.json 3b778b0159baae1cb2d50ba10a3597d4fac49594d90660ef09ad61cc07f5adc 7d7b7bf96cc7e02876853c2d3dd81f83c95d4b1cc
37 audit_log_SENTINFRA-SESS002_20250725T033737.775435Z.json 9ac07d545c8ab5603553fdb7783fc65ff70c19295b76e27cb04929838a635ae9 ce6acb25c23ab250504145cfa657d292f639a24f
38 audit_log_SENTINFRA-SESS002_20250725T033234.501790Z.json f1aad6c24b361afdb540ab8827a703ba8746e1c57b9652da0dc77433649a6ac0 ea3a8f156273cf1ee696f8aae525c15b0910617c
39 audit_log_SENTINFRA-LOG003_20250719T072600.077907Z.json 3cebe32bff9e5062886300f42f4b09e3ab9e0f33fa18c0556cbf355cdc12467e 987cf9cc669500dc1b179d86eacd8c4178cbd3e
40 audit_log_SENTINFRA-SESS002_20250725T001032.263976Z.json e4e56dc8e083167691f6abeb8a2a7b781fea7557a282162a88f84d4d1d169b3b 232f98b38f50d7571cdc4786b3628a7fa413c4be
41 audit_log_SENTINFRA-LOG013_20250720T020423.154072Z.json b0205a3bd0ae764fa6133f347c82a1cce187119dd5adaf47b6b3d82b6ea9ddff ac17a1cf3b4356acc7c61dab91ea03b1f8466a3c
42 audit_log_SENTINFRA-LOG018_20250728T032714.949792Z.json 195cea7a1834831b859fbe891d59c9b5e94e6144dd5c260e8ac54cf602d45cc 5aa30f039b5083f08f0ea280e743831c355fd123
43 audit_log_SENTINFRA-LOG020_20250728T032738.625875Z.json 281892f60f240e05d17c7cf3b6628b6ee9ded640f1fa210eb4fe3245dec21e78 aa71bb1611fce96cdf60137f21b1b7649b5ade32
44 audit_log_SENTINFRA-LOG017_20250728T032702.256334Z.json b106b8ec7202b213f3324aaaf5ed922b585ecc10d960df6e9992daa68d52dea74 f5cb3b67020d9453c75ccf99b762062fa4af3368
45 audit_log_SENTINFRA-LOG001_20250719T072509.043944Z.json f69905003d1fec395cae59947a9337e4e6ad0b4be5f121eb5faaa91574cae842 74a9716ef7d0ce3ab685f9ebf981bb12e5def2f6
46 audit_log_SENTINFRA-LOG010_20250719T072811.283310Z.json aa102fa0fbcd3abe9b9b208407554188af822c0deaa3698e4c6694445bce2bae 31fc60a38346464f27f32af3e1c9b55b2c0d8bf8
```

Screen Reader Optimized Ln 9, Col 31 (4 selected) Spaces: 4 UTF-8 LF {} Markdown

T9

shot 8am (2) 2025-0...55.38am Screenshot

