

Technical Note

Validating a Kepware Download

Security is of the utmost importance, and Kepware[®] encourages users to confirm the validity of any executables before installation. Software vendors can use code signing to add a digital signature to executables at the time of creation. This digital signature allows users to verify the author's identity and ensure that the application's integrity has not been compromised.

Unfortunately, code signing is not foolproof. Current operating systems may warn or prevent execution if an application's signature has become untrusted, but not if the executable has been competently stripped of its signature. The best practices to ensure an installation download is valid are:

- Only download installation executables from a software author's website or other trusted distributors
- Once downloaded, verify the signer's name that appears in the Digital Signature tab of the file's properties.
- Verify the installation has not been tampered with by ensuring the checksum of the file matches that published by the vendor.

1. Verify Kepware Checksums

Follow the instructions below to verify Kepware checksums:

1. Open a command prompt.
2. Run the following command: `certutil -hashfile <path/to/file> SHA256`
3. Compare the resulting hash to the checksum for the software and version listed in the table below.

```
Microsoft Windows [Version 6.1.7601]
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C:\Users\Downloads>certutil -hashfile KEPServerEX6.exe SHA256

SHA256 hash of file KEPServerEX6.exe:
1d 84 30 53 f3 36 6c 1e b4 f9 98 b2 e7 fe 0b ac d7 7d 51 7e 7e 70 75 8b
d9 17 b4 7e c1 55 da b0

CertUtil: -hashfile command completed successfully.
```

2. Kepware Products

2.1 KEPServerEX®

KEPServerEX V6.9.572: 9c f1 01 ed e7 d9 c4 cd 26 71 6c 4e 85 6a fc 3d 67 ac 53 2d 73 f5 cd b6 94 b8 86 fd a1 e7 c8 85
KEPServerEX V6.8.796: b9 30 e0 de d4 f6 57 24 c7 e2 f7 97 08 6f 99 a1 52 bb 15 e0 cc cf af f4 8c 65 12 37 03 4a c4 06
KEPServerEX V6.7.1054: a6 de 44 57 b9 a8 e8 e6 38 62 fa f6 12 0e 50 3c 82 16 43 c4 55 41 c4 ea ef 9f e2 53 e7 b0 79 e0
KEPServerEX V6.7.1046: e1 a0 8b 50 35 cb 49 eb 9a 5e 08 48 10 6c a0 c6 2c 5c 8f 05 d3 f1 de aa 67 cc 49 b1 9d 3a 37 b3
KEPServerEX V6.6.350: 98 74 45 40 4e 4e a3 9f d5 99 d3 e3 20 bc da 51 cd d6 22 e7 40 29 43 f5 b0 fa d1 a6 70 34 63 d8
KEPServerEX V6.6.348: 3d c5 47 df 23 e0 16 2c 86 95 b2 56 a5 68 37 2e 2d 5d 3c 4d f3 e0 ad b5 6a 4f e3 f9 aa 14 7c 31
KEPServerEX V6.5.850: 13 b2 0a cd 4b 1b 8e 2e 65 36 e3 68 b8 54 be 58 36 21 44 ee fc 30 bf d4 03 4f c7 de 06 cd d5 c8
KEPServerEX V6.5.829: 07 24 2d 6d 99 05 7e f1 2b 7d 64 67 04 28 45 77 c1 26 c3 f1 62 ca 5e 93 33 a4 0a 39 ac 3f 25 dd
KEPServerEX V6.4.406: 1c b5 93 a7 22 68 88 69 0c d3 a0 8b d7 f5 40 cb 0d f7 cd c8 e6 a6 43 10 e8 40 5c fd 69 f4 60 85
KEPServerEX V6.4.405: 1d 84 30 53 f3 36 6c 1e b4 f9 98 b2 e7 fe 0b ac d7 7d 51 7e 7e 70 75 8b d9 17 b4 7e c1 55 da b0
KEPServerEX V6.4.321: a9 b8 ad e7 77 3f a1 ab 88 4d c3 c1 57 1e bc 19 10 31 5f 5a 98 f0 ab ce b1 44 74 d3 b3 b5 df 64
KEPServerEX V6.3.306: b4 63 a2 e2 29 ff ac 0f 40 72 46 49 95 bd 19 fb 5e a8 90 e3 b7 8f 0b cc 6a 1d 5d fa c5 f9 ab 64
KEPServerEX V6.3.305: ec de 44 a8 cf 42 a5 7c 57 ca 3e 8a 40 90 5a 09 d6 9d 15 87 d4 60 9a 6d 76 5a c8 5c a4 4a 11 1b
KEPServerEX V6.3.279.14: 62 0a 69 5c b6 74 3e ef 47 66 9a 87 27 aa 50 4c 31 83 b2 0d 69 8a b6 a5 20 ed 10 01 c1 4b eb 63
KEPServerEX V6.2.507: 0d 06 ee 76 7c eb 3c d2 32 f6 e3 ba 3f 9d 3a 4a b9 28 71 2c ca a9 b1 b5 6d c2 ba 33 2c a6 a2 26
KEPServerEX V6.1: 4b bb 86 7f cc 5a b1 b3 a7 bb 2a a8 11 ee b5 a8 23 98 7b 80 92 fd d2 31 ab af bf 24 18 a8 38 a5
KEPServerEX V6.0: 47 e5 84 b2 b6 8a 88 9f a5 82 05 01 03 9c 69 cb 1f ff fa c0 0e e5 e8 57 35 30 c1 4c e3 a4 dc 33
KEPServerEX V5.21: 56 99 21 01 78 a4 60 d4 9b f9 59 c6 8a 9c 36 1a 95 89 ad 9b f0 02 e7 99 a5 4b 92 6c c9 fe 34 e8
KEPServerEX V5.20: 3b c3 8f 68 4b f1 38 4e c6 aa c4 3d 49 53 5e b3 7a 84 dc 2a ee 9e 06 3f 04 00 94 bb 8c 61 0b 1
KEPServerEX V5.19: c8 f8 f5 71 f4 61 2c f9 f8 53 1f f4 f4 d6 c4 ee 18 83 73 3c a3 1a 47 0a 1d 67 65 5c cc ae c7 b4
KEPServerEX V5.18: 39 e9 57 20 56 f7 da b2 63 97 06 db bb 9c bf 08 dd 81 8f ce bb fc c0 39 b2 92 82 19 df 3c 12 22
KEPServerEX V5.17: 51 37 4c 1a d8 f7 27 e8 62 56 a9 06 59 7f 07 fd 7d a0 b1 20 1e ea 80 7d 3a 43 4c cc 26 15 af 37
KEPServerEX V5.16: ad 11 a5 dd f1 69 2b 7f b7 2a 02 16 a3 8e f1 93 ee ba cc 09 35 a6 e9 f6 ce bc 0c 0e 73 00 be 99
KEPServerEX V5.15: 6d 9b ac c8 b4 28 26 46 1c a6 d0 fb 58 21 68 70 ec ca 0e 4b 6a ca 5f 4c 74 8f 73 3b 47 d6 80 0f
KEPServerEX V5.14: b8 f6 31 dd e6 b2 14 84 cf c3 ea 18 34 ea e9 d9 a5 25 50 0e a9 0c 47 51 f3 20 d2 37 b5 fa 61 47
KEPServerEX V5.13: 40 7c 35 73 93 b8 4d 7b ea 95 0e 00 87 ce f4 77 4c fe 1d 13 60 2f 63 e2 2a d1 0c cd 55 06 f3 ce
KEPServerEX V5.12: 87 21 7d c8 90 03 19 d6 fa 6f cb c5 a4 4d 99 f4 e0 36 c9 3f cb b0 27 1c 95 b2 01 e8 45 9b 9c 91
KEPServerEX V5.11: 7d f5 4c 85 c9 3e 18 de 4a cc 20 5d 73 42 13 8b a3 65 6b c6 86 cb 4c b2 c3 9f 19 8e 66 9f a2 f9
KEPServerEX V5.10: d5 dd a1 ae 5b e4 0a a3 33 d0 c6 ca c5 43 94 31 94 7f 83 cb e5 51 28 07 3f 21 a7 e8 58 f2 0f 3f
KEPServerEX V5.9: ce ed 16 f4 f9 31 d1 7b 25 e2 0d 33 04 99 36 fc bd a0 54 6b 26 18 55 f5 40 fa a3 3a 43 69 06 71
KEPServerEX V5.8: e8 05 b8 1c ae 12 82 d3 7d 8f 69 74 09 ee 2f cf 23 15 e2 5b 65 90 17 5c 9d e6 96 d6 b8 6a f4 33
KEPServerEX V5.7: 2f af 61 cc c2 93 5e 96 4d 94 c8 e5 be 2b 34 b2 47 8c 35 10 bc 85 1d f9 8f 23 d9 ed 31 f0 e2 e7
KEPServerEX V5.6: 57 25 e7 04 be 60 c1 21 46 b7 46 fa b7 15 67 a0 f0 e4 d9 35 f5 a9 f9 85 d8 d8 75 b9 4d 38 b1 8b
KEPServerEX V5.5: ce 1a de b7 9c 60 03 c0 ad e7 47 23 71 99 14 bb 3e b8 1d d9 c2 52 69 c3 7c 5a da 66 7a d2 25 56
KEPServerEX V5.4: ab 0e c6 72 55 54 06 7e 12 8f 45 74 d7 40 22 2e 97 41 75 c4 28 c9 b5 97 6f cf ba 29 88 5d 6d f3
KEPServerEX V5.3: 28 bf 15 3d 86 2b 57 90 0c 8e d0 23 83 e1 b2 25 60 86 4f c2 91 0f 64 c9 e0 b2 cb 45 9a f7 19 ff
KEPServerEX V5.2: 71 23 aa 4b 7d a5 69 ac 91 2a 7b 31 ef c1 d1 20 12 d3 cf e7 7a 31 ca ae 23 0f ec 30 c3 7f 6c 13
KEPServerEX V5.1: 02 ff db ea a6 f6 d9 45 93 f9 59 52 a4 0c 93 99 2f 66 27 5b 2f 18 95 e7 89 50 92 80 e8 21 ea 47
KEPServerEX V5.0: 62 d3 ba a1 01 95 20 24 0a e3 37 fc b5 2a 99 41 33 5c 7b fb e4 d3 cb 09 ca 2a d4 91 a7 cb d2 35

2.2 ThingWorx Kepware Edge®

TKE Edge V1.1.796.0 (SHA-256): ea b3 1e 69 15 dd 6f c6 f4 13 b7 59 81 4c 4b 52 b9 e8 53 00 44 22 0e a0 60 3a 7c c5 93 5f c5 94

TKE Edge V1.1.796.0 (SHA-1): 14 c9 07 ec 89 c5 b5 7f 76 ef a7 35 f5 36 c6 b4 80 30 41 f7

TKE Edge V1.1.796.0 (MD5): 58 7f 84 3b a4 29 5a 9b c2 21 fc 80 60 14 a2 12

TKE Edge V1.0.501.0 (SHA-256): 8a 36 02 b2 43 8e 09 c3 fb 5e 05 40 fa 90 3f e0 15 20 80 30 51 ff 7f 89 01 c2 50 2c 21 d4 f0 9f

TKE Edge V1.0.501.0 (SHA-1): 7b aa 3e 7d 4c 5f f0 27 3b 7c 23 90 17 e8 c0 d5 a5 3d 38 57

TKE Edge V1.0.501.0 (MD5): c7 7a 3c 4a 0e 1d 5e 01 a1 ba eb 9c 63 ad 62 1d

2.3 ClientAce®

ClientAce V4.0.2.13: d4 4d df c8 f6 fa cd 72 81 7d 71 6b 6e 92 f3 6b 24 b6 99 bc ec b7 2b 1a 06 c3 65 63 90 2e 6c e2

ClientAce V4.0.2.6: e8 a1 32 b6 26 c7 ca a5 9d 05 23 c1 53 da e3 d9 4b 7a 53 e3 63 da 66 d3 8f e8 b5 b7 48 4d 5a e7

ClientAce V4.0.2.2: 2b 50 23 40 46 74 f4 9a 6a 71 d2 f9 48 ef 58 20 9c a8 12 19 8f 09 99 29 3f 85 9e 42 e1 be 74 1b

ClientAce V3.5.0.9: f9 95 e6 b5 d8 eb 99 08 f9 48 f1 f5 80 10 67 7c 14 ff ee 2c 3c 58 f6 30 17 53 c5 57 82 08 c1 c6

ClientAce V3.5.0.3: 83 c7 5f a6 ed e0 55 75 fa 70 a2 3f 5b dc e8 c0 68 ab ce f5 2e 65 04 57 84 e4 7d f2 a4 c3 a8 aa

2.4 RedundancyMaster®

RedundancyMaster V2.0.128: 10 37 c3 6e 22 f3 4b 80 2e 50 76 f2 00 ce 2b bf e0 c0 fe fb b9 f0 34 ab d4 5d 6a 3b eb 1a e7 1a

RedundancyMaster V2.0.99: 19 04 0b 46 e1 96 fd 59 ea 23 7f 69 32 99 01 55 e4 4d de 90 15 0a 9b 29 5b 3b c8 8a 05 fe 9b ac

RedundancyMaster V2.0.48: 1d b9 07 e7 3d b9 4b 14 e8 9c 97 e9 13 e4 19 e6 f9 be 97 da 2c 9d aa bb 37 9a e6 2c ad c1 15 6d

RedundancyMaster V2.0.47: 48 23 e5 48 35 07 ac f2 49 e6 e3 59 61 97 b5 50 76 d4 2e f9 22 1d 00 7a bd 8b 77 6e 33 d0 96 17

2.5 LinkMaster®

LinkMaster V3.0.94: 1b 7e ca 5d 77 63 18 73 f3 36 05 58 2d 3d 33 8f f1 8c c2 48 b8 a2 d3 4a bc 8d 73 ec 7a b0 ba 65

LinkMaster V3.0.84: 5e e3 78 e6 f8 57 3e ab 43 93 b5 76 e9 14 ae fd 57 66 97 29 55 bf 72 60 8f 5e 68 be 49 fb b2 77

LinkMaster V3.0.75: de 1d d7 a5 32 e9 ff 84 4d 21 4a ff 0d 1f 6b 74 42 f1 57 84 c6 df 5a 25 69 4e 10 31 f7 66 34 1e

LinkMaster V3.0.70: 95 b6 01 bb 29 8a c8 fc b5 a3 22 ed 95 0e 41 68 92 96 21 e1 3f d3 9f 2e 0d b5 8c 09 1d 7a 5a 24

2.6 TIA Portal®

TIA Portal V6.9.572: 40 2b 4c de 20 73 d9 73 12 81 bb c5 bb f3 46 a0 ed 11 3d 43 14 19 fb 91 5d 93 ee 6a cb 06 5e 5c

TIA Portal V6.8.796: b2 f7 0b 20 44 5a 0f 59 9a 52 ba e6 f4 eb bc 9d d0 26 22 ec 2e dc fa b5 d1 b3 c4 28 be 24 24 fe

TIA Portal V6.7.1046: 7f ee fb f3 26 39 ed 3a f6 e9 a5 45 b4 2e 9d f9 cb 98 97 b4 e0 f9 87 35 a7 4b 95 45 0a 37 d6 09

TIA Portal V6.7.502.0: 7d 65 13 5a 01 fe c2 73 73 77 cb 6d 74 85 47 df 90 34 3b af af 0c 4e b0 80 93 a4 87 ea 67 44 85

TIA Portal V6.6.350.0: e1 db 94 1f 67 f4 04 96 ac 2a ee 4e c5 f3 d0 75 99 70 60 38 84 9c ee d1 d5 7f b8 a5 6f 9a e8 4d

TIA Portal V6.5.829: 15 4c d5 1f 1d 98 69 57 7a 53 02 f4 00 71 11 72 f5 82 a0 9e 06 c0 e5 0b c6 8b ae c3 9e ce dd e3

TIA Portal V6.5.561: c8 c4 de 25 5f fc 12 6a ec 04 47 2a 5e 4d 72 4c ed c1 2a 4f 3c 71 e0 26 fb f4 df 74 11 f3 4f f9

- **Note:** If a checksum or version is not listed here, log in to the [My Kepware customer self-service portal](#) or the [PTC eSupport portal](#) to submit a support ticket.