- v1.17.17
 - Downloads for v1.17.17
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
 - Changelog since v1.17.16
 - Changes by Kind
 - * Bug or Regression
 - Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.16
 - Downloads for v1.17.16
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
 - Changelog since v1.17.15
 - Changes by Kind
 - * Feature
 - * Bug or Regression
 - * Other (Cleanup or Flake)
 - Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.15
 - Downloads for v1.17.15
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
 - Changelog since v1.17.14
 - Changes by Kind
 - * Feature
 - * Bug or Regression
 - * Other (Cleanup or Flake)
 - Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.14
 - Downloads for v1.17.14
 - * Source Code

- * Client binaries
- * Server binaries
- * Node binaries
- Changelog since v1.17.13
- Changes by Kind
 - * Bug or Regression
- Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.13
 - Downloads for v1.17.13
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
 - Changelog since v1.17.12
 - Changes by Kind
 - * Design
 - * Bug or Regression
 - * Other (Cleanup or Flake)
 - Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.12
 - Downloads for v1.17.12
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
 - Changelog since v1.17.11
 - Changes by Kind
 - * Bug or Regression
 - * Other (Cleanup or Flake)
 - Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.11
 - Downloads for v1.17.11
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
 - Changelog since v1.17.10

- Changes by Kind
 - * Other (Cleanup or Flake)
- Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.10
 - Downloads for v1.17.10
- Changelog since v1.17.9
 - Changes by Kind
 - * Bug or Regression
 - * Other (Cleanup or Flake)
 - Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.9
 - Downloads for v1.17.9
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
 - Changelog since v1.17.8
 - Urgent Upgrade Notes
 - * (No, really, you MUST read this before you upgrade)
 - Changes by Kind
 - * Bug or Regression
 - Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.8
 - Downloads for v1.17.8
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
 - Changelog since v1.17.7
 - Changes by Kind
 - * API Change
 - \ast Bug or Regression
 - Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.8-rc.1

- Downloads for v1.17.8-rc.1
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
- Changelog since v1.17.7
- Changes by Kind
 - * API Change
 - * Bug or Regression
- Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.7
 - Downloads for v1.17.7
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
 - Changelog since v1.17.6
 - Changes by Kind
 - * API Change
 - * Feature
 - \ast Bug or Regression
 - * Other (Cleanup or Flake)
 - Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.6
 - Downloads for v1.17.6
 - * Source Code
 - * Client binaries
 - * Server binaries
 - * Node binaries
 - Changelog since v1.17.5
 - Changes by Kind
 - * API Change
 - * Bug or Regression
 - * Other (Cleanup or Flake)
 - Dependencies
 - * Added
 - * Changed
 - * Removed
- v1.17.5
 - Downloads for v1.17.5

- * Client Binaries
- * Server Binaries
- * Node Binaries
- Changelog since v1.17.4
- Changes by Kind
 - * Feature
 - * Bug or Regression
 - * Other (Cleanup or Flake)
- v1.17.4
 - Downloads for v1.17.4
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
 - Changelog since v1.17.3
 - Changes by Kind
 - * API Change
 - * Other (Bug, Cleanup or Flake)
- v1.17.3
 - Downloads for v1.17.3
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
 - Changelog since v1.17.2
 - Changes by Kind
 - * Other (Bug, Cleanup or Flake)
- v1.17.2
 - Downloads for v1.17.2
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
 - Changelog since v1.17.1
- v1.17.1
 - Downloads for v1.17.1
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
 - Changelog since v1.17.0
 - * Other notable changes
- v1.17.0
 - Downloads for v1.17.0
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
- Changes
 - What's New (Major Themes)
 - * Cloud Provider Labels reach General Availability

- * Volume Snapshot Moves to Beta
- * CSI Migration Beta
- Known Issues
- Urgent Upgrade Notes
 - * (No, really, you MUST read this before you upgrade)
 - · Cluster Lifecycle
 - · Network
 - · Scheduling
 - · Storage
 - · Windows
- Deprecations and Removals
- Metrics Changes
 - * Added metrics
 - * Deprecated/changed metrics
- Notable Features
 - * Stable
 - * Beta
 - * CLI Improvements
- API Changes
- Other notable changes
 - * API Machinery
 - * Apps
 - * Auth
 - * CLI
 - * Cloud Provider
 - * Cluster Lifecycle
 - * Instrumentation
 - * Network
 - * Node
 - * Release
 - * Scheduling
 - * Storage
 - * Windows
 - * Dependencies
 - * Detailed go Dependency Changes
 - · Added
 - · Changed
 - · Removed
- v1.17.0-rc.2
 - Downloads for v1.17.0-rc.2
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
 - Changelog since v1.17.0-rc.1
 - * Other notable changes
- v1.17.0-rc.1

- Downloads for v1.17.0-rc.1
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
- Changelog since v1.17.0-beta.2
 - * Other notable changes
- \bullet v1.17.0-beta.2
 - Downloads for v1.17.0-beta.2
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
 - Changelog since v1.17.0-beta.1
 - * Action Required
 - * Other notable changes
- v1.17.0-beta.1
 - Downloads for v1.17.0-beta.1
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
 - Changelog since v1.17.0-alpha.3
 - * Action Required
 - * Other notable changes
- v1.17.0-alpha.3
 - Downloads for v1.17.0-alpha.3
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
 - Changelog since v1.17.0-alpha.2
 - * Action Required
 - * Other notable changes
- $\bullet \quad v1.17.0\text{-}alpha.2$
 - Downloads for v1.17.0-alpha.2
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
 - Changelog since v1.17.0-alpha.1
 - * Action Required
 - * Other notable changes
- v1.17.0-alpha.1
 - Downloads for v1.17.0-alpha.1
 - * Client Binaries
 - * Server Binaries
 - * Node Binaries
 - Changelog since v1.16.0
 - * Action Required
 - * Other notable changes

v1.17.17

Downloads for v1.17.17

Source Code

filename	sha512 hash
kubernetes.tar.gz kubernetes-src.tar.gz	$b150df23f93cd08bb7e77bc08723af1344793efebf61926d24fdfe06df1d4d7a65899\\cd3edc84cb7a70879719992913d9c7ceb08f55a961ef4fbbc78bd9d66dc9c99650df$

Client binaries

filename	sha512 hash
kubernetes-client-darwin- 386.tar.gz	b4837885c3bdceb8acb47eae8b941d238577d2f861e86db571c52ead879924744db
kubernetes-client-darwin- amd64.tar.gz	3 d2589761 b7172896 ba60 fedd 413 b7e59 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7e59 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7e59 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7e59 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7e59 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7e59 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7e59 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7e59 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7659 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7659 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7659 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7659 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 fedd 413 b7659 e2 b16262 eac 21 e743 c23 acd 9d2 b73 e4218 february 2000 februa
kubernetes-client-linux- 386.tar.gz	601 d7 eb0 f8372 fbbe 621830 fd79 c7b0 21d0 937 d640 4225 c0a76 c340 a1 f1 c170 a19e6 fbe 621830 fd79 c7b0 feet and fine fine fine fine fine fine fine fine
kubernetes-client-linux- amd64.tar.gz	b86ec78a4a43cf68e1ccea29c029849c97eee2534a5e42cb7a67709e1496725774fb53ce26426666666666666666666666666666666666
kubernetes-client-linux- arm.tar.gz	2 f 5 0 11 b b 5 e f c c 9 3 0 4 b a 5 0 c f e 8 7 1 d 4 8 c 6 2 a 8 2 a e c 1 c c d f 7 8 c 2 8 c c f 1 e 2 7 a 3 2 9 f 4 f 5 b f 3 e 7 8 5 a e 6 2 a 6 2
kubernetes-client-linux- arm64.tar.gz	f766f9ffd8b802b7ac8bb1e6895a72684627b70d004da38bca6537ae3f42932092e06666666666666666666666666666666666
kubernetes-client-linux- ppc64le.tar.gz	f84ff94219a07e8c23476289c0e9013aa1f00d1e06b18ed49df36f53beca1ef924fb0766f53beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076f55beca1ef924fb076fb076f55beca1ef924fb076f65beca1ef924fb076f65beca1ef924fb076f65beca1ef924fb076f65beca1ef924fb076f65beca1ef924fb076f65beca1ef924fb076f65beca1ef924fb076f65beca1ef924fb076f65beca1ef924fb076f65beca1ef924fb076f65beca1ef924fb076f65beca1ef924ff65beca1ef924fb076f65beca1ef924ff65beca1ef924fb076f65beca1ef924ff66f65beca1ef924ff66f65beca1ef924ff
kubernetes-client-linux- s390x.tar.gz	b1b4b381dfddbe97492c7e1d33e805a244715d0f6a1f15b1351a2940bbad26e44136c644136c644136c644136c644136c644136666666666
kubernetes-client-windows- 386.tar.gz	9 f 19 d 9 d b d 2 a 7 24605616 d 41 e c 1826474 b c 9 f 3 c e 0 9 f c a a 52 f 6 c 7 c 08219 d 0 d 7 b 8 d a f 0 2 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d
kubernetes-client-windows- amd64.tar.gz	${\it c}43e07f283344be3f85062812b54a23ce90cabc7282918b47793aeda8ca916bc5dblandscaperation and the comparison of the compa$

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	5 ff 3 ab 1b 10 28 b 95 78 b c 30 b 83 9 b 7 e a 7a 3 c 59 d 96 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 39 c 68 e 68 9f 3f 6 e 85 060 b 6 e 45 c 84 84 84 84 84 84 84 84 84 84 84 84 84
kubernetes-server-linux- arm.tar.gz	c59577f5431e9cab208868a5b7d74fe502caeb9a521262b4b03533056fc19710f297264b66646666666666666666666666666666666
kubernetes-server-linux- arm64.tar.gz	045 a ffc 2009845803861404450 e 6 ed 5938b 62 e 12 c d c ab 22 a 56 a 32 d 67 a 753 b c 0 c d 5 f 97 a 56 a 5

filename	sha512 hash
kubernetes-server-linux- ppc64le.tar.gz	5bf 56b 99d 603f e0792398f c8afd 0f8242 eff 9737b 64d 4cf ef734b 46ec 34d 81fd 88b7c1964d 4cf eff734b 46ec 34d 86ec 34d
kubernetes-server-linux-	01256c9f4ebb33047f338554705b3ec374164c7d78a6d45204e125cd57f8d8cb66886666866668666666666666666666666
s390x.tar.gz	

Node binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	40518e641695635e05845fca17faef6b21adfc21484c29b8c30f3478adf6fd6d1f7014466641695635e05845fca17faef6b21adfc21484c29b8c30f3478adf6fd6d1f7014666666666666666666666666666666666666
kubernetes-node-linux- arm.tar.gz	616 da 7994270 a1 cefc 5b 2f 96b 41324 fc f1b 91b 0f ade 3b 1b cb 16d 0b 7432366 c1b 5ff 5ee factories for the contraction of
kubernetes-node-linux- arm64.tar.gz	3b653098d7707f3ab72b837f2347f19efc3e0178ef6e2b4ea80250a6c70a569556f8e02b4ea80250a6c70a56956f8e02b4ea80250a6c70a56956f8e02b4ea80250a6c70a5695666956f8e02b4ea80250a6c70a56956666666666666666666666666666666666
kubernetes-node-linux- ppc64le.tar.gz	f3b25463e589c39b22d72a292177a661929e81ec24d436392428667c1c02705d0d77a66192968667c160666666666666666666666666666666666
kubernetes-node-linux- s390x.tar.gz	170 b 52295 d 28 f 14299 f 62 e c ba 0796 c e 9 b c 5 d 3719311 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719311 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719311 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719311 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719311 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719311 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719311 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719311 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719311 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 371931 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 371931 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 371931 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 371931 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 371931 a 1 b 7370 6756 0 b 4 a 626 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719 a 1 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719 a 1 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719 a 1 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719 a 1 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719 a 1 b 0 a d 5 e c ba 0796 c e 9 b c 5 d 3719 a 1 b 0 a d 5 e c ba 0796 c e 9 b 0 a d 5 e c ba 0796 c
kubernetes-node-windows- amd64.tar.gz	879 d212 e567 bf8319905518 e162 e40 b82 c40 d1f30 aa7 d94 b162 a3 c41371 f277 d1 c666 bf60 feet and the state of the sta

Changelog since v1.17.16

Changes by Kind

Bug or Regression

- Fix counting error in service/nodeport/loadbalancer quota check (#97830, @pacoxu) [SIG API Machinery and Network]
- GCE Internal LoadBalancer sync loop will now release the ILB IP address upon sync failure. An error in ILB forwarding rule creation will no longer leak IP addresses. (#97740, @prameshj) [SIG Cloud Provider and Network]

Dependencies

Added

Nothing has changed.

Changed

Nothing has changed.

Removed

Nothing has changed.

v1.17.16

Downloads for v1.17.16

Source Code

filename	sha512 hash
kubernetes.tar.gz kubernetes-src.tar.gz	743568 fe 43 b 6 a b 40448 f77 b 35 fb 538 dae 8 d 48 e 2 b 4 ced be 5b 68 d 07 f32 a 0 f 07 6941668 for 6935 fe 4 cec 3 f 9889826 c 3 b 1 d 22 a 38640 a cae 2 f 06 b b f 6 ff 4601456 a 7 e 40314 f d 6744 a 6746 f 1 d 2 f 2 f 2 f 2 f 2 f 2 f 2 f 2 f 2 f 2

Client binaries

filename	sha512 hash
kubernetes-client-darwin-	a33c64d3f3db1f0e14ffe860039fb66d61c2b5d56b
386.tar.gz	
kubernetes-client-darwin-	395825cc 972 d 020 a 24 f 50 ad 6165 dc 38 e 242813 fa 61
amd64.tar.gz	
kubernetes-client-linux-	1601d28e598fd0bf9d195ae8c4aff9966fb74de0a96f
386.tar.gz	
kubernetes-client-linux-	5b4 fee 0702 ea 7952 f5 ead f0 af 46 ec 0 b2 bc 14 fb b3 d87 fee 0.00 fee 100 fee 10
amd64.tar.gz	01 007
kubernetes-client-linux-	9b007a53fb85997d89b4b75d3d792ec87104f6826
arm.tar.gz kubernetes-client-linux-	b7e80c04870f56f7b2f68c80c35c4d9ab4e1ab7f8a
arm64.tar.gz	D1600C0401019011D2100C00C39C4Q3aD461aD110a.
kubernetes-client-linux-	94a8b796aac2c8eea9ddb15dbbb40d326a42b2ba
ppc64le.tar.gz	01405,004402500404451045551045204125254
kubernetes-client-linux-	a01f3452d64d104da30c8d684d958baafc4270fafc
s390x.tar.gz	
kubernetes-client-windows-	a69a3513302725 eb76667093226812 c12 c509 dd832 c12 c12 c12 c12 c12 c12 c12 c12 c12 c1
386. tar. gz	
kubernetes-client-windows-	bdbe 204baa 82d010a97861a235310863b236fff413664b204baa 82d010a97861a235310863b236fff41364b204baa 82d010a97861a235310863b236fff41364b204baa 82d010a97861a235310863b236fff41364b204baa 82d010a97861a235310863b236fff41364b204baa 82d010a97861a235310863b236fff41364b204baa 82d010a97861a235310863b236fff41364b204baa 82d010a97861a235310863b236fff41364b204baa 82d010a97861a235310863b236fff41364b204baa 82d010a97861a235310863b236fff41364b204baa 82d010a97861a235310863b236fff41364baa 82d010a97864a4baa 82d010a9764a4baa 82d010a9764a464a4baa 82d010a9764a4baa 82d010a9764a
amd64.tar.gz	

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	${\rm de} 68 a 7 2 5 9 8 2 c 3 c 3 0 a 146 e 6 c b 73338573 a c 73 a 1 d 9 2 a d 6 b 33 f 63 f f b 7 d 5 9 e 8410 c 452 f 310 c$
kubernetes-server-linux- arm.tar.gz	$0 \\ d37019164 \\ c1f9234796f99 \\ eefa3 \\ cf6172904 \\ d01a835f6 \\ cf47599f4 \\ e20798 \\ b5ac57099$
kubernetes-server-linux- arm64.tar.gz	fe7aebc8a8a964433ce9afa2a9dcfb0e72f67c2def01c7a520896ea231743963e8f924
kubernetes-server-linux- ppc64le.tar.gz	2 f 0 f dec 28757 a 39345513749351 f 2 a f b f 07790065441 e ce 017277 b b 62 d 0 d d f 5 f a 7 e 48 f b f 07790065441 e ce 017277 b b 62 d 0 d d d f 5 f a 7 e 48 f b f 07790065441 e ce 017277 b b 62 d 0 d d d f 5 f a 7 e 48 f b f 07790065441 e ce 017277 b b 62 d 0 d d d f 5 f a 7 e 48 f b f 07790065441 e ce 017277 b b 62 d 0 d d d f 5 f a 7 e 48 f b f 07790065441 e ce 017277 b b 62 d 0 d d d d f 5 f a 7 e 48 f b f 07790065441 e ce 017277 b b 62 d 0 d d d d d d d d d d d d d d d d d
kubernetes-server-linux- s390x.tar.gz	a 25880 fb 74 af 9f 5c 7599 c1 ab 762193161460 a 5c 68343 d421 b691 e83 b4 d7 d057 e4 e37 for the contraction of the contract

Node binaries

filename	sha512 hash
kubernetes-node-linux-	398 f 5 d 2 c 17701 b c 2 d 27 f 914682 c b 0 d 870 b 9 c 2 f b a b 44096 c 210999 d 105 b c 9 c c a 401 a b 201 b 100
amd64.tar.gz	
kubernetes-node-linux-	2a85976e58af70c979468518189e3a3d2c46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e46618131f4d6b88c025fb0e15cfb8ba35e466181866666666666666666666666666666666
arm.tar.gz	
kubernetes-node-linux- arm64.tar.gz	0b17707ccc87cf2f67d0e60eb30813ca787beafc1017bda948a00a9a0a01046bf7ed8
ĕ	01.1101.000 @ 00.0001.000.000 [01.101.1
kubernetes-node-linux- ppc64le.tar.gz	a9b1191239fb9966818226756f4d3bb4ced60d1ddeacc90671600eb34c265c5391fc
kubernetes-node-linux-	f1c36089dc75cd439f479d6ca917e387b1268a77b46ce640876fee738e41cc4c67b466ce640876fee738e41cc4c67b466ce640876fee738e41cc4c67b466ce640876fee738e41cc4c67b466ce640876fee738e41cc4c67b466ce640876fee738e41cc4c67b466ce640876fee738e41cc4c67b466ce640876fee738e41cc4c67b466ce640876fee738e41cc4c67b466ce640876fee738e41cc46666666666666666666666666666666666
s390x.tar.gz	
kubernetes-node-windows- amd64.tar.gz	${\rm ddea} 86980ce0 {\rm bdf2cfc1732008983ab786ce6f1a03f8891f16be6b4794d2c330159ad3ce0} {\rm ddea} {\rm ddea} {\rm bdf2cfc1732008983ab786ce6f1a03f8891f16be6b4794d2c330159ad3ce0} {\rm ddea} {\rm bdf2cfc1732008983ab786ce6f1a03f8891f16be6b4794d2c330159ad3ce0} {\rm ddea} {\rm ddea} {\rm bdf2cfc1732008983ab786ce6f1a03f8891f16be6b4794d2c330159ad3ce0} {\rm ddea} {\rm d$

Changelog since v1.17.15

Changes by Kind

Feature

• Add a new flag to set priority for the kubelet on Windows nodes so that workloads cannot overwhelm the node there by disrupting kubelet process. (#96159, @ravisantoshgudimetla) [SIG Node]

Bug or Regression

• Cordoned nodes are now deregistered from AWS target groups. (#85920, @hoelzro) [SIG Cloud Provider]

Other (Cleanup or Flake)

• Client-go header logging (at verbosity levels >= 9) now masks Authorization header contents (#95316, @sfowl) [SIG API Machinery]

Dependencies

Added

Nothing has changed.

Changed

Nothing has changed.

Removed

Nothing has changed.

v1.17.15

Downloads for v1.17.15

Source Code

filename	sha512 hash
kubernetes.tar.gz	37 dc 896 be 35 ba 6a 8a e 3f 4f 19e 4836469183b 64ab 8e 3a 9199 af 82d 8b 5e 48a 50277b 5e 6a
kubernetes-src.tar.gz	b15ebc58b6ff7b1ab6b116c5beb50e7312746691c9b26f0adbadd3456508688e95764badd345650868686868664badd34565086868666666666666666666666666666666

Client binaries

filename	sha512 hash
kubernetes-client-darwin-	$\frac{\mathrm{d} \mathrm{d} 41 \mathrm{ce} 65424 \mathrm{a} 135 \mathrm{f} \mathrm{e} 0 \mathrm{b} \mathrm{a} \mathrm{ca} 76 \mathrm{b} 501 \mathrm{e} 8 \mathrm{e} 52 \mathrm{cf} 254951 \mathrm{f} 1 \mathrm{a} 70 \mathrm{f} 14825 \mathrm{d} 58 \mathrm{c} \mathrm{b} 7 \mathrm{a} 9189106 \mathrm{f} 1 \mathrm{c} 8000 \mathrm{f} 1 \mathrm{c} 1000 \mathrm{f} 10000 \mathrm{f} 1000 \mathrm{f} 100000 \mathrm{f} 10000 \mathrm{f} 10000 \mathrm{f} 10000 \mathrm{f} 10000 \mathrm{f} 100000 \mathrm{f} 10000 \mathrm{f} 1000000000000000000000000000000000000$
386.tar.gz	
kubernetes-client-darwin-	c444f4 de7b8769811b3 d40 d5179 c946b351 bd2288b775304 ca7477 bee5a4feb8cb864666666666666666666666666666666666
amd64.tar.gz	
kubernetes-client-linux-	3 ba 25 a 51 f 2 d 17 f b 3 a 6 d 6789 ba 7568 a d c 51287460 d e 11 e b 6 d 56 b 0 c 70 c d 030 e 6 d b 145
386.tar.gz	
kubernetes-client-linux-	cff736f0e3fd6fbc7dfb44b85280549d4d80ad65f9697456e7beb2211a33b94c6ea55f9697456e7beb2211a366e7beb2211a366e7beb2211a366e7beb2211a366e7beb221166e7beb22166e7beb22166e7beb22166e7beb22166e7beb22166e7beb2211a366e7beb22166e7beb22166e7beb22166e7be
amd64.tar.gz	
kubernetes-client-linux-	e3e50c5365269e97ac75a3b804d210c72dbea9f8bf60d3237c5e800888885d26f3d166d323fc5e800888885d26f3d16d16d16d16d16d16d16d16d16d16d16d16d16d
arm.tar.gz	
kubernetes-client-linux-	fd8419e6a1e21ad5f80d6371d21c758358e8693e219cd097dc88a568dc3a437daaadaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
arm64.tar.gz	

filename	sha512 hash
kubernetes-client-linux- ppc64le.tar.gz	$50 \\ \text{dc} \\ 279471 \\ \text{aeaa} \\ 2e03 \\ \text{b} \\ 4009212 \\ \text{b} \\ 15c7 \\ \text{b} \\ 3f282315 \\ 4c22897 \\ \text{ea} \\ 4e3 \\ \text{d} \\ 355786796 \\ \text{ad} \\ 376496 \\ \text{ea} \\ 376496 \\ \text{ea} \\ 4636355786796 \\ \text{ea} \\ 4636356796 \\ \text{ea} \\ 463636796 \\ \text{ea} \\ 46366796 \\ \text{ea} \\ 46366796 \\ \text{ea} \\ 46366796 \\ \text{ea} \\ 46366796 \\ \text{ea} \\ 4636796 \\ \text{ea} \\ $
kubernetes-client-linux- s390x.tar.gz	94 effe 8575792 a 61 c b 3 d 1 a 5 d 1 e c 1700757855 a c 20 e 571 e 84 b b 751656 c e 6 e 3 b 65 b 620 e 6 e 6 e 6 e 6 e 6 e 6 e 6 e 6 e 6 e
kubernetes-client-windows- 386.tar.gz	fb 24e897a3f3be 3c8aab 02855355f1ef0 14a23497185666e44382613b6901c37660b3666666666666666666666666666666666
kubernetes-client-windows- amd64.tar.gz	17797c61 de 63 f8 ce 810 b 681520 e8 d736 e253 a 0 f6 c9 c2945 eb3 f949 e0 fe 673 a f82 c3 fc3 feet and the first of the

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	a42e03c48d1423b7e5276526b51e1d130561cddd261fc1f919840f12d26fad0526da6fad06fad06fad06fad06fad06fad06fad06f
kubernetes-server-linux- arm.tar.gz	369 a def 81 e 8 c c 7 c fabaf 55 e d 55 d 0 b 1 d 99 f 5237 e 7 b 36 d 7 d 7 31774 d 7 b 28 a 2431433078 d 10 d 1
kubernetes-server-linux- arm64.tar.gz	014064a18fd354b8441f201ec087f95db53d7f5244e239c3adc9fe2b4a7b3759711bareleft and the contraction of the con
kubernetes-server-linux- ppc64le.tar.gz	$73 {\rm fd} 5925 {\rm c} 5 {\rm b} 74112 {\rm fcc} 465 {\rm bba} 034 {\rm d} 8 {\rm ef} 135 {\rm ad} 7 {\rm d} 44 {\rm cbab} 123 {\rm e} 46362 {\rm a} 0 {\rm a} 7441 {\rm f0} {\rm f} 5971 {\rm for} 100 {\rm cm}^{-1} {\rm cm}^{-1} {\rm for} 100 {\rm cm}^{-1} {\rm$
kubernetes-server-linux- s390x.tar.gz	39255 a 6 a 0 6 e 5 a b 5 8 2 25 a 4 0 8 a 5 d 6 8 8 5 9 5 3 0 5 4 c 9 6 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 19 a 4 d f 77 b 1 e 70 6 3 8 9 3 2 f e b 9 27 c 7 6 a 10 a

Node binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	772 b 8983 a c b 9 b a b 1 f d 094 e 4 d 0841 b 0043 d 3 f e 378 d b 9833 f 03 f f 0 e 43 d 1 e 007676878 d 1007676878 d 10076768 d 100
kubernetes-node-linux- arm.tar.gz	${\tt de740ab4486dbe5e650a962bb7ded4183f0a084b8369dc4528383888cca6b92d82334486dbe5e650a962bb7ded4183f0a084b8369dc4528383888cca6b92d82334486dbe5e650a962bb7ded4183f0a084b8369dc4528383888cca6b92d82334486dbe5e650a962bb7ded4183f0a084b8369dc4528383888cca6b92d82334486dbe5e650a962bb7ded4183f0a084b8369dc4528383888cca6b92d82334486dbe5e650a962bb7ded4183f0a084b8369dc4528383888cca6b92d8233446666666666666666666666666666666666$
kubernetes-node-linux- arm64.tar.gz	890c6b68031e1cd316557b22702f2e02389afd26905731b523a11d9fb7d5c63000b266446664666666666666666666666666666
kubernetes-node-linux- ppc64le.tar.gz	d8d5f34bc722ade023191d1f2dae5c9aacba1fdf277e7d902ca6a1183fa0acf11d4936cf11d496cf11d
kubernetes-node-linux- s390x.tar.gz	d178a716e fab 66 f179304858 d5851 f1 a fd 455a8b9 ead 546a21 fd 0 f73a4a61 db f0 47 factories for the factories of the fact
kubernetes-node-windows-amd64.tar.gz	94c28828bb7c7b498ea5e13d637aff48b9536b9a19ef26368322d675dc1389dea9d44646464646464646464646464646464646464

Changelog since v1.17.14

Changes by Kind

Feature

• Add a new flag to set priority for the kubelet on Windows nodes so that workloads cannot overwhelm the node there by disrupting kubelet process. (#96159, @ravisantoshgudimetla) [SIG Node]

Bug or Regression

- Avoid GCE API calls when initializing GCE CloudProvider for Kubelets. Avoid unnecessary GCE API calls when adding IP alises or reflecting them in Node object in GCE cloud provider. (#96864, @tosi3k) [SIG Apps, Cloud Provider and Network]
- Azure: check the nil error before invoke err.Error() (#96623, @nilo19) [SIG Cloud Provider]
- Bump node-problem-detector version to v0.8.5 to fix OOM detection in with Linux kernels 5.1+ (#96716, @tosi3k) [SIG Cloud Provider, Scalability and Testing]
- Exposes and sets a default timeout for the SubjectAccessReview client for DelegatingAuthorizationOptions (#96153, @p0lyn0mial) [SIG API Machinery and Cloud Provider]
- Fix memory leak in kube-apiserver when underlying time goes forth and back. (#96266, @chenyw1990) [SIG API Machinery]
- Fix pull image error from multiple ACRs using azure managed identity (#96355, @andyzhangx) [SIG Cloud Provider]
- Fix: resize Azure disk issue when it's in attached state (#96705, @andyzhangx) [SIG Cloud Provider]
- Fixed kubelet creating extra sandbox for pods with RestartPolicyOnFailure after all containers succeeded (#92614, @tnqn) [SIG Node and Testing]
- New Azure instance types do now have correct max data disk count information. (#94340, @ialidzhikov) [SIG Cloud Provider and Storage]

Other (Cleanup or Flake)

• In GKE alpha clusters it will be possible to use the service annotation cloud.google.com/network-tier: Standard (#88487, @zioproto) [SIG Cloud Provider]

Dependencies

Added

Nothing has changed.

Changed

Nothing has changed.

Removed

Nothing has changed.

v1.17.14

Downloads for v1.17.14

Source Code

filename	sha512 hash
kubernetes.tar.gz	7cc1ab5518f3a7b62b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a7b62b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a7b62b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a7b62b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a7b62b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a7b62b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a7b62b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a7b62b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a64b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a64b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a64b8a2d05aa05b19ecd5855611e5c6b20a16747ac35c36e445a8f3a64b8a2d05aa05b19ecd58566b20a16747ac35c36e445a8f4a64b8a2d05aa05b19ecd58566b20a16747ac35c36e445a8f4a64b8a2d05aa05b19ecd58566b20a16747ac35c36e445a8f4a64b8a2d05aa05b19ecd58566b20aa05b19ecd58566b20aa05b19ecd58566b20aa05b19ecd58566b20aa05b19ecd58566b20aa05b19ecd58666b20aa05b19ecd58566b20aa05b19ecd58566b20aa05b19ecd58566b20aa05b19ecd585666b20aa05b19ecd585666b20aa05b19ecd585666b20aa05b19ecd58666666666666666666666666666666666666
kubernetes-src.tar.gz	73 f86 a 50 cc 32 f11 a 0 d25 c0 672 6 a ad 380 bf 4877 9f 206 b464 e ca 95 bc 91928 cc 2939703 februario en construction of the construction of

Client binaries

filename	sha512 hash
kubernetes-client-darwin-	d2 dd db aa 1795913 d9 cc 98 cd 3d 392 b7 fb 10 ac 0a 6c 6b ded fb c 36571 f5 f12 bb 825 f0 8d 3d
386. tar. gz	
kubernetes-client-darwin- amd64.tar.gz	76 a 98 f 4 c d 4 f e c f 38 c 4 e 0 45 4270 b 195 a 7 a a 4 f 177 f b e 4890 61198 d c 01885 93 d 3 e 8 d 7 d 949 d f e 60 f
kubernetes-client-linux-	6c622a48ebd9bbe7cf2b2fd3a6af504c81aa8493458f55a88b054408fc6c0ae168caa
386.tar.gz	000228406003006101202103808190400188043349019980000044901000086190088
kubernetes-client-linux-	027945e245693c4c0dfd818eb7b4213d21d90b2d0191d9d62c218e150ee1e604ba864c218e1604ba864c21866c21866c21866c21866c21866c21866c21866c218666c2186666666666
amd64.tar.gz	
kubernetes-client-linux-	ec147440201 f079 b51514 dab79 c2a57 b7 da5f7991 df950 a2d4054 a95591 e937315 e24666 a24666 a246666 a24666 a246666 a24666 a246666 a24666 a246
arm.tar.gz	
kubernetes-client-linux- arm64.tar.gz	31 dc0 aacf0 d682103 ba69 dfe356 ba330 e1c9 c29412 a2c230 b389859 f00871 d173 b356 ba330 e1c9 c29412 a2c230 b389859 f00871 d175 b366 b366 b366 b366 b366 b366 b366 b36
kubernetes-client-linux-	dbe 6ba 70c 84397 aeda 624c c 7e8a 6bb 2ce 049f4e5a 9fd8c 14d95aa 91a 0320b 349a1de5a 6bb 2ce 049f4e5a 9fd8c 14d95aa 91a 0320b 349a1de6abb 2ce 049f4e5a 9fd8c 14d95aa 9fa 0320b 349a1de6abb 2ce 049f4e5a 9fd8c 14d95aa 9fa 0320b 349a1de6abb 2ce 049f4e5a 9fd8c 14d95aa 9fa 0320b 349a1de6abb 2ce 049f4e5abb 2ce 040f6ebb
ppc64le.tar.gz	
kubernetes-client-linux-	3 eb0 f0 c03 c68 a20257 f288 ed04 ba53966 b772 d93 fa5 ed2042 f74694319 d4a5 fd2 bc136 fd2 bc236 fd2 bc2
s390x.tar.gz	
kubernetes-client-windows-	53186 bec70113 e7862 ed8a 4852924 bf5 b9c41 a3826 e2671 aa77301 d331 b207563 ec246 a266 a266 a266 a266 a266 a266 a266 a
386.tar.gz	700000000000000000000000000000000000000
kubernetes-client-windows- amd64.tar.gz	e73 bb1fd9 ebf3f1 e4e87 cc40 a99620 ee50 f97382 c22 d369 f2910 e2f0 d6388 deb1 d79 fc22 d369 f2910 e2f0 d6388 d649 e2f0 e2f0 e2f0 e2f0 e2f0 e2f0 e2f0 e2f0

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	${\it c} 61b98f7a2308662cd00cdd21bb0167641dec4138d93d803bfbd4154cb81fab142ec4136d66666666666666666666666666666666666$
kubernetes-server-linux- arm.tar.gz	581 cb 209 a 57466638654f 3397e 5d 978e 3406fb 68f0f 2d 4f 362b 4d cae 5b 51949684c 2006 a finished by the contraction of the
kubernetes-server-linux- arm64.tar.gz	${\rm c1c3447f72fb5bb7255116698b6c595902f281fd9998bdc3549f0a5bd73f25c3cd4ea}$
kubernetes-server-linux- ppc64le.tar.gz	68 be a 93 ff 0 b 017 de a 4 b c f 4535 f da 6 c 670 e 75 a 1673 9952 e fac faa 0139 a 7 be e b 94703 fe 9950 e fac faa 1995 e faa 1995 e fac faa 1995 e
kubernetes-server-linux- s390x.tar.gz	25 dc9 d9 a ea 4688 a 206 c4 b 433050142 d11165 e 4 e 6 c d c d1 a 92 a 232 c1 c 8758 a 5f1 e 9 e 475 a 6 c d c d1 a 92 a 232 c 1 c 8758 a 6 f1 e 9 e 475 a 6 c d c d1 a 92 a 232 c 1 c 8758 a 6 f1 e 9 e 475 a 6 c d c d1 a 92 a 232 c 1 c 8758 a 6 f1 e 9 e 475 a 6 c d c d1 a 92 a 232 c 1 c 8758 a 6 f1 e 9 e 475 a 6 c d c d1 a 92 a 232 c 1 c 8758 a 6 f1 e 9 e 475 a 6 c d c d1 a 92 a 232 c 1 c 8758 a 6 f1 e 9 e 475 a 6 c d c d1 a 92 a 232 c 1 c 8758 a 6 f1 e 9 e 475 a 6 c d c d1 a 92 a 232 c 1 c 8758 a 6 f1 e 9 e 475 a 6 c d c d1 a 92 a 232 c 1 c 8758 a 6 c d c d1 a 92 a 2

Node binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	566 ca 46 ae 8679849 d359 e404 c9 dd321553182597 b76 c79 cea 2 b43 f7 fa 48 d6 d3172 b6 d6
kubernetes-node-linux- arm.tar.gz	cbcbf2b71336c9317d35df754c3e644a97add7ca764fb436b74ebaf0f6915114c4cb264b4666666666666666666666666666666
kubernetes-node-linux- arm64.tar.gz	f1d6e7461ff2d0f2a71543496f792833fc701860ff7f6f286c7e964cb2ab126fefc7f8ac8456461ff2d0f2a71543496f792833fc701860ff7f6f286c7e964cb2ab126fefc7f8ac8456461ff2d0f2a71543496f792833fc701860ff7f6f286c7e964cb2ab126fefc7f8ac845646464646464646666666666666666666666
kubernetes-node-linux- ppc64le.tar.gz	2 e 9 c 761 f 5 e 2 e 2 c e 6 d 32 d 48 b 45 e 340826488 f 4d 9 e 704564 b 5 a 2 a a 2 e b 3 b c 41718 b 3b 21264 b 5 a 2 a 2 e b 3 b c 41718 b 3b 21264 b 5 a 2 a 2 e b 3 b c 41718 b 3b 21264 b 5 a 2 a 2 e b 3 b c 41718 b 3b 21264 b 5 a 2 a 2 e b 3 b c 41718 b 3b 21264 b 5 a 2 a 2 e b 3 b c 41718 b 3b 21264 b 5 a 2 a 2 e b 3 b c 41718 b 3 b 21264 b 5 a 2 a 2 e b 3 b c 41718 b 3 b 2 a 2 a 2 a 2 e b 3 b c 41718 b 3 b 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2 a 2
kubernetes-node-linux- s390x.tar.gz	f2957 dd25 ba765 d0 b31 dab db9 c1 d76 e3 dfb f81188384 df4613 ca653 c5 db044 d71046 ff2957 dd25 ba765 d0 b31 dab db9 c1 d76 e3 dfb f81188384 df4613 ca653 c5 db044 d7104 ff2957 dd25 ba765 d0 b31 dab db9 c1 d76 e3 dfb f81188384 df4613 ca653 c5 db044 d7104 ff295 f
kubernetes-node-windows- amd64.tar.gz	46b7b7d0b19de8db74aeae6367ff730b15896d082898d0b68a11ba8b7ed7dd6cb2d6cb2d6cb2d6cb2d6cb2d6cb2d6cb2d6cb

Changelog since v1.17.13

Changes by Kind

Bug or Regression

- An issues preventing volume expand controller to annotate the PVC with volume.kubernetes.io/storage-resizer when the PVC StorageClass is already updated to the out-of-tree provisioner is now fixed. (#94489, @ialidzhikov) [SIG API Machinery, Apps and Storage]
- Disable watchcache for events.k8.io/Event resource for compatibility with core/Event. (#96117, @wojtek-t) [SIG Scalability]
- Fix azure disk attach failure for disk size bigger than 4TB (#95463, @andyzhangx) [SIG Cloud Provider]
- Fix azure disk data loss issue on Windows when unmount disk (#95456, @andyzhangx) [SIG Cloud Provider and Storage]

- Fix azure file migration panic (#94853, @andyzhangx) [SIG Cloud Provider]
- Fixed a bug in client-go where new clients with customized Dial, Proxy, GetCert config may get stale HTTP transports. (#95427, @roycaihw) [SIG API Machinery]
- Fixes high CPU usage in kubectl drain (#95260, @amandahla) [SIG CLI]
- Kube-apiserver: multiple comma-separated protocols in a single X-Stream-Protocol-Version header are now recognized, in addition to multiple headers, complying with RFC2616 (#89857, @tedyu) [SIG API Machinery]
- Kube-proxy now trims extra spaces found in loadBalancerSourceRanges to match Service validation. (#94107, @robscott) [SIG Network]

Dependencies

Added

Nothing has changed.

Changed

Nothing has changed.

Removed

Nothing has changed.

v1.17.13

Downloads for v1.17.13

Source Code

filename	sha512 hash
kubernetes.tar.gz	15 d 61808196 a b e 3836 c 101 f d 758933619 b b d 81 e 876 e 477977 b b f 8916 f 0 f 34930085 a b 2016 f 0 f 2016
kubernetes-src.tar.gz	0 f 5 1 5 3 9 c b b 6 6 f d 120 a 9 d f 9 4 8 3 6 7 5 4 3 179 e 9 244 b 5 4 d a 24 b a 8 3 5 5 6 e 9 c b 2 e 35 d f 6 3 b 2 15 d 6 6 d 120 a 9 d f 9 4 8 3 6 7 5 4 3 179 e 9 244 b 5 4 d a 24 b a 8 3 5 5 6 e 9 c b 2 e 35 d f 6 3 b 2 15 d 6 d 120 a 9 d f 9 4 8 3 6 7 5 4 3 179 e 9 244 b 5 4 d a 24 b a 8 3 5 5 6 e 9 c b 2 e 35 d f 6 3 b 2 15 d 6 d 120 a 9 d f 9 4 8 3 6 7 5 4 3 179 e 9 244 b 5 4 d a 24 b a 8 3 5 5 6 e 9 c b 2 e 35 d f 6 3 b 2 15 d 6 d 120 a 9 d f 9 4 8 3 6 7 5 4 3 179 e 9 244 b 5 4 d a 24 b a 8 3 5 5 6 e 9 c b 2 e 35 d f 6 3 b 2 15 d 6 d 6 d 120 a 9 d f 9 4 8 3 6 7 5 4 3 179 e 9 244 b 5 4 d a 24 b a 8 3 5 5 6 e 9 c b 2 e 35 d f 6 3 b 2 15 d 6 d 6 d 120 a 9 d 6 d 6 d 6 d 6 d 6 d 6 d 120 a 9 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d

Client binaries

filename	sha512 hash
kubernetes-client-darwin- 386.tar.gz	5 ebbd0c132d8f04afa8e9a50f0702f369063c4edc7e74e8aecc03af75f48bd6a5e35af75f48bd6a5e35af75f6666666666666666666666666666666666
kubernetes-client-darwin- amd64.tar.gz	${\rm dd9c1fa387afef35f61f2e4f631d2e187a715b6f7a40719b099037778bcfc599303f12}$
kubernetes-client-linux- 386.tar.gz	$749 {\rm fb} 9 {\rm ffcc} 7530 {\rm a} 0 {\rm a} 77036 {\rm c} 06070 {\rm dfe} 610 {\rm d} 9 {\rm f} 569 {\rm fb} {\rm fb} 8677 {\rm ff} 64 {\rm c} {\rm b} 6 {\rm e} {\rm a} 50 {\rm cfe} 9683158 {\rm a} 0 {\rm c} {\rm f} 100 {\rm c} 1000 {\rm c} 100 {\rm c} 1000 {\rm c} 1000 {\rm c} 1000 {\rm c} 100 {\rm c} 1000 {\rm c} 1000 {$

filename	sha512 hash
kubernetes-client-linux- amd64.tar.gz	bc67e49b2ea5e703fe5c06ca443d4d99dd10b320941b63e184f478b019ef31a655c4
kubernetes-client-linux- arm.tar.gz	3 f71 a 300 a 8 e 3 c 25 c 90 e 0723 b 30 f2 e c 2 fb 550 e 92 d 8 e 7 b 177 f6 e 80181 f615 b 8 a 5 e d 1262 e 2 fb 550 e 92 d 8 e 7 b 177 f616 e 80181 f615 b 8 a 5 e d 1262 e 2 fb 550 e 92 d 8 e 7 b 177 f616 e 80181 f615 b 8 a 5 e d 1262 e 2 fb 550 e 92 d 8 e 7 b 177 f616 e 80181 f615 b 8 a 5 e d 1262 e 2 fb 550 e 92 d 8 e 7 b 177 f616 e 80181 f615 b 8 a 5 e d 1262 e 2 fb 550 e 92 d 8 e 7 b 177 f616 e 80181 f615 b 8 a 5 e d 1262 e 2 fb 550 e 92 d 8 e 7 b 177 f616 e 80181 f615 b 8 a 5 e d 1262 e 2 fb 550 e 92 d 8 e 7 b 177 f616 e 80181 f615 b 8 a 5 e d 1262 e 2 fb 550 e 92 d 8 e 7 b 177 f616 e 80181 f615 b 8 a 5 e d 1262 e 2 fb 550 e 92 e 2 fb 55
kubernetes-client-linux- arm64.tar.gz	b 8 e 9 df 333 a 3 df 22 e 44 b a b 002 f 0 a 687 f c 1 e a 792 9 437 b b 63 b e c 5 d 579 b c a b 6 b 8 c d 7 f 27 c d 5 d 5 d 5 d 5 d 5 d 5 d 5 d 5 d 5 d
kubernetes-client-linux- ppc64le.tar.gz	faf1c0bd1c77fb40856d39cdafb877b83fa8e7c9bf14a095f5008c3eab1c905dc59289f14a095f14a000000000000000000000000000000000000
kubernetes-client-linux- s390x.tar.gz	09 baebc33 fa 1a9 ab932 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc032 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc02 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc02 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc02 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc02 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc02 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc02 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc02 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc02 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc02 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 184091 d5 ca425 abc02 bbdc8 df 572103 a92 b7819 f80169 f6a8 f8b3 aee 18409 bdc8 df 57210 abc02 bbdc8 df 57
kubernetes-client-windows- 386.tar.gz	18 a 3385 e 967 a 88 e a 2 a b 04 c a 74 d 94 a 51 b b 5664 d d 87 b 26754 e 94620 d d 31 a 82 e 55 a 2926 d d 200 d 2
kubernetes-client-windows- amd64.tar.gz	7014c5829ec6492af9e991e73e92eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb203eaef3d52bf4c87f2362d32c46605c05adb6992eb205666666666666666666666666666666666666

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	e071c7b5671c0391e5c87a5322402bbfee3c369bd2fd79cd6dfcba683f16b56a878f66a878f66a8766a87
kubernetes-server-linux- arm.tar.gz	bb4aa695264976ed47ca2c82192522911991ba40b174159805c989a65be4f6bb3ed64646bb3ed6464646464666666666666666666666666666
kubernetes-server-linux- arm64.tar.gz	63 caf7 bc0 b517 ee 196 ae 7742 f4572 6542 afd 312 df 568 d4 ba0 a 28 e827 cf 72753748 c7426 fter from 1968 and 1968 after from 1968 after f
kubernetes-server-linux- ppc64le.tar.gz	fb1c047dc6984f740ee fe9ee1530ac998b49fe09bb52000155de81e013fd7a8dc891dc947dc6984f740ee fe9ee1530ac998b49fe09bb52000155de81e013fd7a8dc891dc947dc6984f740ee fe9ee1530ac998b49fe09bb52000155de81e013fd7a8dc891dc947dc6984f740ee fe9ee1530ac998b49fe09bb52000155de81e013fd7a8dc891dc947dc947dc947dc947dc947dc947dc947dc947
kubernetes-server-linux- s390x.tar.gz	1 d5067 ff 2319255 ac4 d65934 c320361 f1 c82 d05 d89 a0 b9866 c867240 e1 f97 a 63 ff bd5 from the contraction of the contract

Node binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	${\rm cddad2f5a4d50e71a9af5e305c9c5ee85e9ebf1355f5d4da7641c171f4809c89d4241a} = {\rm cddad2f5a4d5641c171f4809c89d4241a} = {\rm cddad2f5a4d566666666666666666666666666666666666$
kubernetes-node-linux- arm.tar.gz	0931a4bfd545bd99ea7fb7948cd7455d27fd5c82f75d0553998de40ffadea3427150666666666666666666666666666666666666
kubernetes-node-linux- arm64.tar.gz	13a75 da6 ea9 f8 bc37 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 da665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 d6665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 d6665 bbabed7 b2 f1a6 f643 fdce f9a045 d5a23820103 b69a41 f4515 d6665 bbabed7 babed7 babed
kubernetes-node-linux- ppc64le.tar.gz	64528984a36a8c2fc1bb99f3b374b507f9ca460b34e65997c52dbf05ed28fc741c7744b507f9ca460b34e65997c52dbf05ed28fc741c7744b507f9ca460b34e65997c52dbf05ed28fc741c7744b507f9ca460b34e65997c52dbf05ed28fc741c7744b507f9ca460b34e65997c52dbf05ed28fc741c7744b507f9ca460b34e65997c52dbf05ed28fc741c7744b507f9ca460b34e65997c52dbf05ed28fc741c774b60b34e65997c52dbf05ed28fc741c774b60b34e65997c52dbf05ed28fc741c774b60b34e65997c52dbf05ed28fc741c774b60b34e65997c52dbf05ed28fc741c774b60b34e65997c52dbf05ed28fc741c774b60b34e65997c52dbf05ed28fc741c774b60b34e65997c52dbf05ed28fc741c774b60b34e65997c52dbf05ed28fc741c774b60b34e65997c52dbf05ed28fc741c774b60b34e65997c52dbf05ed28fc741c774b60b34e659966b60b34e659966b60b60b60b60b60b60b60b60b60b60b60b60b6

filename	sha512 hash
kubernetes-node-linux-	17 cae 7323 ea ad 30609361 a 31 b f 4a 0 8199851729562 eb 70 e 610 b 82948 c 27 c 9 ab 72 f 6 f 64 b 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 66 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 82948 c 27 c 9 ab 72 f 64 b 70 e 610 b 70
s390x.tar.gz kubernetes-node-windows- amd64.tar.gz	11 f60 cd0 ad3111 aac1 e2d9 fdccae f1a195143 ee5 ca94 b3011 f85 b850 d89 e664 b8e60 8660 background and the state of the

Changelog since v1.17.12

Changes by Kind

Design

• Prevent logging of docker config contents if file is malformed (#95348, @sfowl) [SIG Auth and Node]

Bug or Regression

- Do not fail sorting empty elements. (#94666, @soltysh) [SIG CLI]
- Fix detach azure disk issue when vm not exist (#95177, @andyzhangx) [SIG Cloud Provider]
- Fix etcd_object_counts metric reported by kube-apiserver (#94817, @tkashem) [SIG API Machinery]
- Fix kubectl printer to correctly handle timestamps of events emitted using events.k8s.io API (#90227, @gosoon) [SIG CLI]
- Fix the cloudprovider_azure_api_request_duration_seconds metric buckets to correctly capture the latency metrics. Previously, the majority of the calls would fall in the "+Inf" bucket. (#95376, @marwanad) [SIG Cloud Provider and Instrumentation]
- Fix: detach azure disk broken on Azure Stack (#94885, @andyzhangx) [SIG Cloud Provider]
- Fixed a bug where improper storage and comparison of endpoints led to excessive API traffic from the endpoints controller (#94935, @damemi) [SIG Apps, Network and Testing]
- Kubeadm: warn but do not error out on missing "ca.key" files for root CA, front-proxy CA and etcd CA, during "kubeadm join –control-plane" if the user has provided all certificates, keys and kubeconfig files which require signing with the given CA keys. (#94988, @neolit123) [SIG Cluster Lifecycle]

Other (Cleanup or Flake)

• Masks ceph RBD admin Secrets in logs when logLevel >= 4 (#95245, @sfowl) [SIG Storage]

Dependencies

Added

Nothing has changed.

Changed

Nothing has changed.

Removed

Nothing has changed.

v1.17.12

Downloads for v1.17.12

Source Code

filename	sha512 hash
kubernetes.tar.gz	7 f 7 115 d 5 0 123 9 3 103 c 3 18 a f 0 7 3 7 5 d e b 1883 d 6 3 b 160 d 60 a 5 9 0 2 3 0 b 9 8 9 e 8 d d 5 a 6 e 9 4 7 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d
kubernetes-src.tar.gz	${\rm d}43249e0295663804b941c49a7b3f75c5d81bccbbeaffd746d4a2b40a6905b087adlabel{eq:def}$

Client binaries

filename	sha512 hash	
kubernetes-client-darwin-	5198ae2ce18d98a2819f0a2ea808a17a76325d7f85ae876	663cdcae6819711df431616
386.tar.gz		
kubernetes-client-darwin-	5 df 0546268926906 fe 0 e 23228 b 2 d7 b a d 0 a 13564 f 491 b e b 200 fe 0 e 200 fe 0	3f043981169d1ea6515829
amd64.tar.gz		
kubernetes-client-linux-	77 ff aa 84 102 fcbb fc 90 17 b 3e 318 cde a 90 1 de c72 f 56 85 56 ae 20 februarie 1990 febru	e8c40bf5443c07b13c030af
386. tar. gz		
kubernetes-client-linux-	760 ce 7837 e 7 b 70 c 62850 f 103847 d 8 ff b 33 d b e 6 f 1 d c 7379 8 d b e 6 f 1 d c	c28fad0cc47076fa4b718b
amd64.tar.gz		
kubernetes-client-linux-	acdca292e5e8cd8d3e2793c66a7b734f050543bed7bf3e2	2ab8e1ee9e7809af9c5174e
arm.tar.gz		
kubernetes-client-linux-	98a57087148e7d790fa9e564d1d69f015b4af789dfbfdaf64f0164f0164f0164f0164f0164f0164f0164f0	63b856c5e1d8e036611802
arm64.tar.gz		
kubernetes-client-linux-	9a52e61404099d49fd85858fffb3deaedb09b2a565e6450)60d33cbb3a4159815907e
ppc64le.tar.gz		_
kubernetes-client-linux-	ce38464c003f46ebca7f6d17cb311f8e45d9cd0e96d7f82	c894d744a9f4340091e56d
s390x.tar.gz		
kubernetes-client-windows-	2270cf27d7d8910c7bc8275c239800510f2a1cb06990674	4854406824d862be29f48e
386. tar. gz		

filename	sha512 hash
kubernetes-client-windows- amd64.tar.gz	8 d958 e82 e23 ee359 b6 e79151544 adc 2 ad4 d278815 f1179 e2d283 b2a22 f52 cd9 ddb95 add 2000 f1000 f10000 f1000 f10000 f100000 f10000 f10000 f10000 f10000 f10000 f10000 f10000 f10000 f100000 f10000 f10000 f10000 f10000 f10000 f10000 f10000 f10000 f100000 f10000 f10000 f10000 f10000 f10000 f10000 f10000 f10000 f100000 f10000 f10000 f10000 f10000 f10000 f10000 f10000 f10000 f100000 f100000 f100000 f100000 f100000 f100000 f100000 f100000 f1000000 f100000 f100000 f1000000 f1000000 f1000000 f10000000 f100000000

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	6 f 18545 a f 85 a c 021 c 7 a b 4 a e e b 5364 e 70 a b 32 b a a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 5773832 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 577382 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 577382 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 577382 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 577382 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 577382 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 577382 c 29 c 5 c 386 b e a 2 e 50 f b 039 c 577382 c 29 c 5 c 5780 c 20 e 50 f b 039 c 577382 c 29 c 5780 c 20 e 50 f b 039 c 577382 c 20 e 50 f b 039 c 20 e 50 f
kubernetes-server-linux- arm.tar.gz	fdc 6f800 f1 e928 b84994 ab 255 e22 f80 c6 fde 4b f952891 b3 d5105579 bd745213 b85 c03 fde 4b f952891 b3 d5105579 bd74521 b85 c03 fde 4b f952891 b3 d5105570 bd74521 b85 c03 fde 4b f952891 b3 d5105570 bd74521 b85 c03 fde 4b f952891 b3 d5105570 bd74521 b3 d5105570 bd74521 b5105570
kubernetes-server-linux- arm64.tar.gz	a805b06b3c8a8b976aa495a6882ab0efac02e189fa2d758af1d5170d45d90da3a37da12d12d12d12d12d12d12d12d12d12d12d12d12d1
kubernetes-server-linux- ppc64le.tar.gz	0 b 4784 d c 1321 f 5 c 87 b 411 b d c 5544 f e b 8059974 a 9405350 c e c a b 07 e b 32 a 11583 e 8 a 652 a 11583 e 652 a 11523 e 652 a 11
kubernetes-server-linux- s390x.tar.gz	8e7d170050698de03dd725daae7fe69dd131d776de625dd097674b15d858c39ef04666666666666666666666666666666666666

Node binaries

C1	1 510 1 1
filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	e22aa78efd7f4656d267bc13ce33fdfc6b255fade761cee546e2a8fa4c72b93f0fc690666666666666666666666666666666666
kubernetes-node-linux- arm.tar.gz	74 eb 348 a 7 a 4 a efc 925878 df 16620 a 764 a fc a 8 ca 5995 b 0 db 954935 e 05 d4 ce 35047 eb 0000 b 10000 b 100000 b 10000 b 100
kubernetes-node-linux- arm64.tar.gz	08a8ae978426c252d75d655f6b299915ae3d749341554e1a2056157a03d7eb859d23d7eb859d23d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7d64d7eb859d24d7eb859d64d964d7eb859d64d964d964d964d964d964d964d964d964d964
kubernetes-node-linux- ppc64le.tar.gz	03096106b34d3a3aae41fd3723929da8355af08e4373d6250fd4e341b52a3029b9d
kubernetes-node-linux- s390x.tar.gz	0 c 9 c a f 9542 f 0377 d 0 c 8 f 7 d f e 0 b 8 e 9709 62 a 21693 d 8 f b e f 0 b 1 b a 2649 a 6238 b a 4814911 d f 0 b 1 b 1 b 1 b 1 b 1 b 1 b 1 b 1 b 1 b
kubernetes-node-windows-amd64.tar.gz	04e21d6a4daafe1d0dc7ded20a3460597e9207c680e9a2f899cff2f205219b6f7999aaf80f2f2f2f2f2f2f2f2f2f2f2f2f2f2f2f2f2f2f

Changelog since v1.17.11

Changes by Kind

Bug or Regression

 • Azure: fix a bug that kube-controller-manager would panic if wrong Azure VMSS name is configured (#94306, @knight42) [SIG Cloud Provider]

- Correctly handle resetting cpuacet in a live container (#94041, @andyzhangx) [SIG Node and Windows]
- Fix a concurrent map writes error in kubelet (#93773, @knight42) [SIG Node]
- Fix calling AttachDisk on a previously attached EBS volume (#93567, @gnufied) [SIG Cloud Provider, Storage and Testing]
- Fix: incorrect max azure disk max count (#92331, @andyzhangx) [SIG Cloud Provider and Storage]
- Fixes a bug evicting pods after a taint with a limited tolerationSeconds toleration is removed from a node (#93722, @liggitt) [SIG Apps and Node]
- Fixes an issue that can result in namespaced custom resources being orphaned when their namespace is deleted, if the CRD defining the custom resource is removed concurrently with namespaces being deleted, then recreated. (#93790, @liggitt) [SIG API Machinery and Apps]
- Kube-apiserver: fixed a bug returning inconsistent results from list requests which set a field or label selector and set a paging limit (#94002, @wojtek-t) [SIG API Machinery]
- The EndpointSlice controller now waits for EndpointSlice and Node caches to be synced before starting. (#94086, @robscott) [SIG Apps and Network]
- The audit event sourceIPs list will now always end with the IP that sent the request directly to the API server. (#87167, @tallclair) [SIG API Machinery and Auth]
- Upon successful authorization check, an impersonated user is added to the system:authenticated group. system:anonymous when impersonated is added to the system:unauthenticated group. (#94410, @tkashem) [SIG API Machinery and Testing]
- Use NLB Subnet CIDRs instead of VPC CIDRs in Health Check SG Rules (#93515, @t0rr3sp3dr0) [SIG Cloud Provider]

Other (Cleanup or Flake)

- Fixes the flooding warning messages about setting volume ownership for configmap/secret volumes (#92878, @jvanz) [SIG Instrumentation, Node and Storage]
- Update CNI plugins to v0.8.7 (#94367, @justaugustus) [SIG Cloud Provider, Network, Node, Release and Testing]

Dependencies

Added

Nothing has changed.

Changed

• github.com/evanphx/json-patch: $162e562 \rightarrow v4.9.0+incompatible$

Removed

v1.17.11

Downloads for v1.17.11

Source Code

filename	sha512 hash
kubernetes.tar.gz	c257902 ffc 2c1 f9 f72 a7693 f84 ab 77 c3 f044 f154 e94 bf3 d48 eb fa807 fa8089 c8 caa 9e87 fa808 fa807 fa808 fa808 fa807 fa808 fa
kubernetes-src.tar.gz	98 fc 4a e 961 ad 30 a 57 ded 51 cb 387 a 393 d 0 c 981 eb 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 50 cf 226 ab 2bb 0 e 9ff 6f8 ad 9b 0461372 ab 2bb 06612 ab 2bb

Client binaries

61	-1-510 11
filename	sha512 hash
kubernetes-client-darwin-	$9 \\ dd0 \\ f75 \\ d90 \\ 659 \\ 826 \\ f648 \\ a1 \\ fdf8664 \\ f1c96760 \\ b7a \\ 53022 \\ e803 \\ df403c3 \\ da69b7 \\ db60395 $
386. tar. gz	
kubernetes-client-darwin-	c12c1eda25b6d4a2744489e391277eb7a5b8d0ef8b14b220118ef3890fd0ade4f97dagarantees between the comparison of the compariso
amd64.tar.gz	
kubernetes-client-linux-	17753 de2 bb354 cf211918 d6 daaa8592 aeac04 dc431 b9b682 fd023098 ae90 da9d6361 bare 2000 da9d6361 bare 20
386.tar.gz	
kubernetes-client-linux-	2 f 9 8 d 4 3 1 7 3 a 8 b 5 f 6 7 0 f 6 d 5 7 9 d 9 5 4 d a 9 7 b 1 7 b a 3 6 f 2 9 6 6 f c c 5 2 e 6 6 1 c c a 6 3 3 3 8 f 4 1 a 9 b e a 6 f c c c a 6 3 3 2 6 f 2 6 f c c c a 6 3 3 3 8 f 4 1 a 9 b e a 6 f c c c a 6 3 3 2 6 f 2 6 f c c c a 6 3 3 3 8 f 4 1 a 9 b e a 6 f c c a 6 3 2 6 f c c a 6 3 3 3 8 f 4 1 a 9 b e a 6 f c c a 6 3 3 2 6 f c c a 6 3 3 3 8 f 4 1 a 9 b e a 6 f c c a 6 5 a 6 f c c a 6 5 a 6 a 6 a 6 a 6 a 6 a 6 a 6 a 6 a
amd64.tar.gz	
kubernetes-client-linux-	0 a 15261 c 5a 8264 e 42 d 5f 1710 a dac 4 c e 016 d e 895 a a c 1b 4221288 d c b c b e e 0 b b 32 a f f 490 d c a c a c a c a c a c a c a c a c a c
arm.tar.gz	
kubernetes-client-linux-	2c127091b645a6f18cf1404aa3e94f0b0c71bb2f8414331768bb1cd5fbe753553cab7
arm64.tar.gz	
kubernetes-client-linux-	3 a 45 c 717 a 1452 c 2 a 165 f f 43 a e 6 a 75 e 660 66 b a 8184 657 a f d 4 c 8 a b e 4519 e f 2 f b 04 e 58 d 9 d 600 f a
ppc64le.tar.gz	
kubernetes-client-linux-	8 a d c c a 31 f a 72212 d 1 b 3 c 49 d e b f d b 07 e 0214 c d 6629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 9 e 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 0 a f 2545 8 e a 710 d 554035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 d 629 b 0 a f 254035 b 0 a f 25
s390x.tar.gz	
kubernetes-client-windows-	0 a 0 3 a 18 a b 8 f 2 d 0 b 166 f 0 9 35 e 45 c 295 a 539118 b 369406 f a 1732 f 8 a f de 6 f d 5 a 2 c 8 c d 96 a 6 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d
386.tar.gz	
kubernetes-client-windows-	5c90075eba8ae031edc0c017c015a1c47f178aeed4cf5be53fa347e052fb34be8fcd44fbe8fcd4fbe8fcd44fbe8fcd4fbe8fc
amd64.tar.gz	

Server binaries

sha512 hash
38 f 931 b c d 9 e 16 b 0888 f d 1891 d 26 e e c b 04 f 7 f f 53 e b a 99 f 4436 e f f c f 2 b f 32 d b 29 e d 2 c c 63 c d b 20 e d 2 c c 63 c d 2 c d 2 c c 63 c d 2 c d 2 c c 63 c d 2 c d 2 c d 2 c c 63 c d 2
7 ba 11 b 77 166 7298 c 330 b 3147 c f 1 c 250 60 d 24 c d 8a 195 a 640 0957 d 038 d 1437 f 8d 1605 f 640 d 1605 f 6400 f 6400 d 1605 f 6400 f 640
63 fe 2 b fc 55035 bec 95526 b f 18 ce 124 c 750 cc 08808732 ca 9 ea 15 de 53 db 4f 378 a f 37f 9 a feature of the following of the following states
370 d2 ef12 f247321427 f48793 ebd1 c9a889 cfd43510 e1b8 aea7b8 b9bb4e56 cab9eac0200 feb10 feb1
2e62 fc0 d42433 b7 abaadcb481769 f52894 a754179 dc9c51270 b8723 f0e43633624 d7666 abadcb481769 f52894 a754179 dc9c51270 b8723 f0e4363362 d7666 abadcb481769 f52894 a754179 dc9c51270 b8723 f0e4363362 d7666 abadcb481769 ab
•

Node binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	749 f 9 d b b 569 c d 7120 c 26 b f 05903 b 8 a 9 d 97583 24 b 0 d 013 f 60 b d e 6575 c 5 c 8330 d 0 f 668 d 200 d 20
kubernetes-node-linux- arm.tar.gz	ac 9617906896762010 ee 0 f8 a 13 e 135 f5 da 87 b 612 f 907800936 beb 498 f78 d80 f71 e 029 f612 f907800936 beb 498 f78 d80 f71 e 029 f78 d80 f78 d8
kubernetes-node-linux- arm64.tar.gz	299 fc 1379 bc c 22 a 7 e 5909 2 a 7 ba9 fee 1 c 42 e f 1 dd 27586 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce 303171 da c 15 bba7 ee a 86 ce 306 fc 85 ce
kubernetes-node-linux- ppc64le.tar.gz	e6942158 ebfefb0a3176ae38e9a0806769ddb661e7db53f68a2d43f1aa39a9e70af2db661e7db53f68a2d43f1aa39a9e70af2db661e7db6
kubernetes-node-linux- s390x.tar.gz	c0138687e0d8c12a11b986f36257d9202c451040d33d55aedc9b3f6ebaea65fa65856658666666666666666666666666666
kubernetes-node-windows- amd64.tar.gz	16783c6f337c7e92a5a32b2b9495f65c3a6b869a36b053d3c86047355f4c83a16d50466666666666666666666666666666666666

Changelog since v1.17.10

Changes by Kind

Other (Cleanup or Flake)

• Kubernetes is now built with go 1.13.15 (#93955, @justaugustus) [SIG Release and Testing]

Dependencies

\mathbf{Added}

 $Nothing\ has\ changed.$

Changed

Nothing has changed.

Removed

Nothing has changed.

v1.17.10

Downloads for v1.17.10

Release artifacts for 1.18.7 and 1.17.10 are incomplete. **Do not use these releases.**

Changelog since v1.17.9

Changes by Kind

Bug or Regression

- Do not add nodes labeled with kubernetes.azure.com/managed=false to backend pool of load balancer. (#93034, @matthias50) [SIG Cloud Provider]
- Fix instance not found issues when an Azure Node is recreated in a short time (#93316, @feiskyer) [SIG Cloud Provider]
- Fix: don't use docker config cache if it's empty (#92330, @andyzhangx) [SIG Cloud Provider]
- Fix: initial delay in mounting azure disk & file (#93052, @andyzhangx) [SIG Cloud Provider and Storage]
- Fixed a performance issue applying json patches to deeply nested objects (#93812, @liggitt) [SIG API Machinery, CLI, Cloud Provider, Cluster Lifecycle and Instrumentation]
- Fixes a regression in kube-apiserver causing 500 errors from the /readyz endpoint (#93643, @ialidzhikov) [SIG API Machinery]
- Terminating a restartPolicy=Never pod no longer has a chance to report the pod succeeded when it actually failed. (#88440, @smarterclayton) [SIG Node and Testing]

Other (Cleanup or Flake)

- Build: Update Debian base images
 - debian-base:v2.1.3
 - debian-iptables:v12.1.2
 - debian-hyperkube-base:v1.1.3 (#93924, @justaugustus) [SIG API Machinery, Cluster Lifecycle and Release]
- Update Golang to v1.13.14
 - Update bazel to 2.2.0
 - Update repo-infra to 0.0.8 (to support go1.14.6 and go1.13.14)
 - * Includes:

- \cdot bazelbuild/bazel-toolchains@3.4.0
- · bazelbuild/rules_go@v0.22.8 (#93233, @justaugustus) [SIG API Machinery, Release and Testing]

Dependencies

\mathbf{Added}

• github.com/jessevdk/go-flags: v1.4.0

Changed

• github.com/evanphx/json-patch: v4.2.0+incompatible \rightarrow 162e562

Removed

 $Nothing\ has\ changed.$

v1.17.9

Downloads for v1.17.9

Source Code

filename	sha512 hash
kubernetes.tar.gz	c6d71667ec516c150e27f0d81868b90b04f620656c081c85e570f5fa8bb6e1fd70bc366d71667ec516c150e27f0d81868b90b04f620656c081c85e570f5fa8bb6e1fd70bc366d71667ec516c150e27f0d81868b90b04f620656c081c85e570f5fa8bb6e1fd70bc366d71667ec516c150e27f0d81868b90b04f620656c081c85e570f5fa8bb6e1fd70bc366d71667ec516c150e27f0d81868b90b04f620656c081c85e570f5fa8bb6e1fd70bc366d71667ec51666666666666666666666666666666666666
kubernetes-src.tar.gz	24 d c 550 d 00 e 8 a d 57 b 100 f 19 a e 330 800 79 c 8 d 274 a b e a 1709 c f 7 f 45 f 807 e 2 f 9 d 59 b a f e 100 f 100

Client binaries

filename	sha512 hash
kubernetes-client-darwin-	ba2ac4b1444edb6b40e1537fa77c11796708b2a068791ee39fc54d64d31f9c2503df464d31f9c2504d64d64d31f9c2504d64d64d31f9c2504d64d64d31f9c2504d64d64d31f9c2504d64d64d64d31f9c2504d64d64d64d64d64d64d64d64d64d64d64d64d64
386.tar.gz	
kubernetes-client-darwin- amd64.tar.gz	bb15d61ef2623d007bbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18571a864b13735a20a303a6250a1cd57e25d53cd81179abbda18570abbda18
kubernetes-client-linux-	6a121 f cac ff 561 b 2 c 3040 b d 0803 d 00368743 e 3 c 7529597 d 1b 66 e a 2b c ba 2f 7 cae ff 0e f 7000 b 1000
386.tar.gz	
kubernetes-client-linux- amd64.tar.gz	57 fe 9 caf 9 d 40 e 8 b 3 e 9 e 1 b 5 8 5 5 2 a f 1 b 7 4 b f 3 c d c c b 3 b d 5 0 f b 5 e 5 1 b a 9 5 d 3 e 0 8 2 6 3 d a d 8 3 d a 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
kubernetes-client-linux- arm.tar.gz	2 cb f ca 1133446 df f 4d8 bb f 82976 ba 14345 df ea 4c 2940 d841949 bb 323 c2 bd 33840928
kubernetes-client-linux- arm64.tar.gz	68 ab 42 f 2844 ed 6 f 9 f b 9 e 71945 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 30468542997 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 3046854299 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 3046854299 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e 14182 f 0 e f 304685429 a 0 c 4 b b 6 f 39776 d 266 f d 18 f 26 e f 3046864 a 0 c 4 b b 6 f 39766 a 0 c 4 b b 6 f 3
kubernetes-client-linux- ppc64le.tar.gz	baeba57a163248d404f70b83bd2ee2458afec619f5c7ab0da656a96634db4dc841fdc8

filename	sha512 hash
kubernetes-client-linux- s390x.tar.gz	${\rm d} 4 {\rm d} 9 {\rm c} 7 {\rm b} 152 {\rm d} 31 {\rm b} 83 {\rm a} 49 {\rm f} {\rm d} 4140 {\rm f} 88 {\rm e} 3014 {\rm b} 4571 {\rm a} 31 {\rm b} 4694 {\rm f} {\rm d} 62 {\rm ce} 1 {\rm e} 436872 {\rm cc} 0227 {\rm a} 220 {\rm cc} 1240 {\rm cc} 1$
kubernetes-client-windows- 386.tar.gz	b3ebeaf6b83da17f7facd6029af64f4e98512e49a63188eaa59d2d8dc54ec4eb9c78eab3da17f7facd6029af64f4e98512e49a63188eaa59d2d8dc54ec4eb9c78eab3da17f7facd6029af64f4e98512e49a63188eaa59d2d8dc54ec4eb9c78eab3da17f7facd6029af64f4e98512e49a63188eaa59d2d8dc54ec4eb9c78eab3da17f7facd6029af64f4e98512e49a63188eaa59d2d8dc54ec4eb9c78eab3da17f7facd6029af64f4e98512e49a63188eaa59d2d8dc54ec4eb9c78eab3da1
kubernetes-client-windows- amd64.tar.gz	1 ea 45 f8 d99 cf1 bb 69 e330 b81 f476 d6 cc6 d1 ac4 ccfe7 aa 56 dc7 a02 b269 e2 bb b52351 cc6 ac4 ccfe7 ac4 bc6 ac4 ccfe7 ac6 bc6 ac4 bc6 a

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	5b3123e442e64637d086ff154c1338ad7a63ddfe2e738dce11b590bf50f663de2d067dfe46464646464646464646464646464646464646
kubernetes-server-linux- arm.tar.gz	d8b26e70921113fe94da89ab448aea41b8c7e280abf65be569dc198d2904fc07266e48b26e70921113fe94da89ab448aea41b8c7e280abf65be569dc198d2904fc07266e48b26e70921113fe94da89ab448aea41b8c7e280abf65be569dc198d2904fc07266e48b26e70921113fe94da89ab448aea41b8c7e280abf65be569dc198d2904fc07266e48b26e70921113fe94da89ab448aea41b8c7e280abf65be569dc198d2904fc07266e48b26e70921113fe94da89ab448aea41b8c7e280abf65be569dc198d2904fc07266e48b26e709266e86abf65be569dc198d2904fc07266e86abf65be569dc198d2904fc07266e86abf65be569dc198d2904fc072666e86abf65be569dc198d2904fc072666e86abf65be569dc198d2904fc072666e86abf65be569dc198d2904fc072666e86abf65be569dc198d2904fc07266666abf65be569dc198d2904fc072666e86abf65be569dc198d2904fc07266666abf65be569dc198d2904fc07266666abf656be569dc198d2904fc07266666abf656666abf656666abf6566666abf656666666abf656666666666
kubernetes-server-linux- arm64.tar.gz	$23 \\ dab \\ 56 \\ cdd \\ 5eb \\ 320 \\ bb \\ 28 \\ d4b \\ 1fb \\ df \\ 452 \\ cb \\ d9c \\ 18c \\ 38fa \\ d77796 \\ f76e \\ 0039 \\ d3c \\ 390024 \\ c5a \\ d7796 \\ f76e \\ d76e \\ d76e$
kubernetes-server-linux- ppc64le.tar.gz	e109727a2bd63edcefa1d25fbe24280db8fd62711edd2ff1d30b748c500d8bb0a7e966462711edd2ff1d30b748c500d8bb0a7e9666666666666666666666666666666666666
kubernetes-server-linux- s390x.tar.gz	7a1757ef6f5f2c5b3c3a3fffea0ee5abc42578331da32decce0581b37cc4a331bdaf1564a34bdaf1564a4a34bdaf1564a4a4bdaf1564a4bdaf15

Node binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	a8baebd0725d69cde59e5eaad5fbcd9b35911b67539df0d28407f96b8baafc854e7e
kubernetes-node-linux- arm.tar.gz	21c5e452391f39203cab2225204b95a7ffd223da31d95998116ed04bd0b60b9c03964b40b60b9c000b9c0000b9c00000b9c000000000000
kubernetes-node-linux- arm64.tar.gz	329 df0 d659 ab2 b0 daecbb5 a 337 ecbca 496 db5 dedb81493850 eda3b8 abeb24b408 ff ab
kubernetes-node-linux- ppc64le.tar.gz	913a93cee4b34613ecb0ecc5560e51bef8a8377f7ff6d07561fb2cc37d794c6b80c5164cf6b80c66666666666666666666666666666666666
kubernetes-node-linux- s390x.tar.gz	0 c 388 b 817 c 9209 ff 73 d 13 c f 50 fe a 545 b a f 0 b 6 b f d 4764 d 045 a 0845 1 c 72567 1 e f 27992 c a 2000 f f 1000 fe a 1000
kubernetes-node-windows- amd64.tar.gz	77b6fb8c19c38d5faad7477e4430586fc99e589a668c61043c1e59da551bbe796dc3644466446664666666666666666666666666

Changelog since v1.17.8

Urgent Upgrade Notes

(No, really, you MUST read this before you upgrade)

• CVE-2020-8559 (Medium): Privilege escalation from compromised node to cluster. See https://github.com/kubernetes/kubernetes/issues/92914 for more details. The API Server will no longer proxy non-101 responses for upgrade requests. This could break proxied backends (such as an extension API server) that respond to upgrade requests with a non-101 response code. (#92941, @tallclair) [SIG API Machinery]

Changes by Kind

Bug or Regression

- CVE-2020-8557 (Medium): Node-local denial of service via container /etc/hosts file. See https://github.com/kubernetes/kubernetes/issues/93032 for more details. (#92916, @joelsmith) [SIG Node]
- Extend kube-apiserver /readyz with new "informer-sync" check ensuring that internal informers are synced. (#92644, @wojtek-t) [SIG API Machinery and Testing]
- Fix: GetLabelsForVolume panic issue for azure disk PV (#92166, @andyzhangx) [SIG Cloud Provider]
- Fix: use force detach for azure disk (#91948, @andyzhangx) [SIG Cloud Provider]
- Fixes a problem with 63-second or 1-second connection delays with some VXLAN-based network plugins which was first widely noticed in 1.16 (though some users saw it earlier than that, possibly only with specific network plugins). If you were previously using ethtool to disable checksum offload on your primary network interface, you should now be able to stop doing that. (#92035, @danwinship) [SIG Network and Node]
- Kubeadm: add the deprecated flag -port=0 to kube-controller-manager and kube-scheduler manifests to disable insecure serving. Without this flag the components by default serve (e.g. /metrics) insecurely on the default node interface (controlled by -address). Users that wish to override this behavior and enable insecure serving can pass a custom -port=X via kubeadm's "extraArgs" mechanic for these components. (#92720, @neolit123) [SIG Cluster Lifecycle]
- Kubeadm: during "join", don't re-add an etcd member if it already exists in the cluster. (#92118, @neolit123) [SIG Cluster Lifecycle]
- hyperkube: Use debian-hyperkube-base@v1.1.1 image

Includes iproute 2 to fix a regression in hyperkube images when using hyperkube as a kubelet (#92625, @justaugustus) [SIG Cluster Lifecycle, Network and Release]

Dependencies

\mathbf{Added}

Nothing has changed.

Changed

Nothing has changed.

Removed

Nothing has changed.

v1.17.8

Downloads for v1.17.8

Source Code

filename	sha512 hash
kubernetes.tar.gz	$8212 {\rm fb} 4 {\rm e} 823 {\rm fb} a {\rm e} 81 {\rm cd} 7817 {\rm a} 3 {\rm a} 7 {\rm a} {\rm b} {\rm e} 5 {\rm a} 49503 {\rm b} 01163 {\rm fb} 6805 {\rm e} 40791 {\rm d} 0639 {\rm a} 1 {\rm b} 22 {\rm a} {\rm b} {\rm e} 1000 {\rm cm}^{-1} {\rm cm}^$
kubernetes-src.tar.gz	f4838e9950ccc64f9670ce1349f24667825305d7d8d8fc3a9f5f6cc8c51c4edbb003316486fc3a9f5f6cc8c51c4edbb003316486fc3a9f5f6cc8c51c4edbb003316486fc3a9f5f6cc8c51c4edbb003316486fc3a9f5f6cc8c51c4edbb003316486fc3a9f5f6cc8c51c4edbb003316666f666666666666666666666666666666

Client binaries

2f9f475d86c004
21011104000001
6a0b38662e08f9
366d121eb5489
a : 21 1 = 60 0 11 0
2a13bb7f98db2
e6080f443bc087
05c63a527e69a(
8c04188da16f6

filename	sha512 hash
kubernetes-client-linux- s390x.tar.gz	08 e c 9 b 6 a b f b 0 c 0 e 4874 a 9 f f 0 d 6 b 43 d 71 c e 8 b d 77 f 764293 c 8 d f 755827 c 811 e 243 d 2 b a 2 d 6 d 75 f 8 d 75 f
kubernetes-client-windows- 386.tar.gz	c2 edcce 0 a 450 b 0 2432 a f 56775 eddb f 49 e 0 b 0 31 e 8 a 9 cb 9 4 a 0 c 4320 a 400 d 2 a 1353 a 4 c 6 d 2 a 1200
kubernetes-client-windows- amd64.tar.gz	e3c31ebb172d3077cca2d796af020ba5cb90df552a607ef54e80cdd7aa6f50d2b7cd2b7cd2b7cd2b7cd2b7cd2b7cd2b7cd2b7c

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	8872 e 69 c 391 e 36 d 8 c e 2 d 307858108 d 69 c f 5 d 4520 2 f 012 f 8 a 1 a 019 d 3705 c 3 d 91 a 7 d d 32 d 60 d 6
kubernetes-server-linux- arm.tar.gz	a0d7086fd78dd5d1e8ad91859b25346b531cde97a9f8916c4dd9ea66aba91d334b16c4dd9ea66aba91d354b16c4dd9ea66aba91d6
kubernetes-server-linux- arm64.tar.gz	2 c d 42 e 859 f d 6519370 b 496 d a 7 c 0 b 2 b 0 d 9 c e 47 f 0 f 8323 f 3384 c 7 e c a 5327 c d 5a 0 b e 7597 d 5a 0 b e
kubernetes-server-linux- ppc64le.tar.gz	97 e d d 2 f 2 e 88 f 77 e 98 b c 4 e 30 e 8 b c d 044 a 16 a a 96 a 48 6 178 80 6 e 7 b 9 d 3 f e 231310 b 183 c d 200 f e
kubernetes-server-linux- s390x.tar.gz	a33c746865216dfee05e0718e4b91708c455e18b6b611cfecca1f4efc4f7101cfeeda166666666666666666666666666666666666

Node binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	16ae1e32bb0f7b6f8809ab5c20ca7c16cfcc9780476e08f18b4af36f3cb3d6004aecb2
kubernetes-node-linux- arm.tar.gz	0 e 4 dbb 87 bb 19422 faae fd 213 baac 1e 962 fee ec 7a 3d 22396436709795479 bd 2bc bef1 and 1962 fee ec 7a 3d 22396436709795479 bd 2bc bef1 for each of the contraction of the contra
kubernetes-node-linux- arm64.tar.gz	4 a 4 3 1 e 0 5 6 5 c 5 e 2 c 5 0 29 c 6 f 4 14 c b 6 9 4 d 6 e 3 e 7 e e 2 e 0 5 6 8 6 8 b 6 e 9 9 5 4 2 e b 16 3 c 7 4 0 d 9 c 7 3 5 e 2 e 2 e 2 e 2 e 2 e 2 e 2 e 2 e 2 e
kubernetes-node-linux- ppc64le.tar.gz	${c8868091220993cd4002e125508fc01e327f8025f6012ddc6bba31d785079d7dea2000000000000000000000000000000000000$
kubernetes-node-linux- s390x.tar.gz	22463 fb 6907 c28 ff f6 ffe 950 a 03 fc 9 cc 9877 b 3384 d3 f8 a 166979 fb 6334178 b 1e 6d 0d 86166 for 100 february 100
kubernetes-node-windows- amd64.tar.gz	08b34e5a9a6c529afc23ce57acf62eaf17174812c801f3918599c407832b5b0c7b17764646666666666666666666666666666666

Changelog since v1.17.7

Changes by Kind

API Change

• Fixed: log timestamps now include trailing zeros to maintain a fixed width (#91207, @iamchuckss) [SIG Apps and Node]

Bug or Regression

- Fixes CSI volume attachment scaling issue by using informers. (#91307, @yuga711) [SIG API Machinery, Apps, Node, Storage and Testing]
- If first Timestamp is not set use first Timestamp or event Time when printing event (#91055, @soltysh) [SIG CLI]
- Kubeadm increased to 5 minutes its timeout for the TLS bootstrapping process to complete upon join (#89735, @rosti) [SIG Cluster Lifecycle]
- hyperkube: Use debian-hyperkube-base@v1.1.0 image

A previous release built hyperkube using the debian-hyperkube-base@v1.0.0, which was updated to address a CVE in the CNI plugins.

A side-effect of using this new image was that the networking packages (namely iptables) drifted from the versions used in the kube-proxy images.

The following issues were filed on kube-proxy failures when using hyper-kube:

- https://github.com/kubernetes/kubernetes/issues/92275
- https://github.com/kubernetes/kubernetes/issues/92272
- https://github.com/kubernetes/kubernetes/issues/92250

To address this, the new debian-hyperkube-base image (v1.1.0) uses the debian-iptables base image (v12.1.0), which includes iptables-wrapper, a script used to determine the correct iptables mode to run in. (#92494, @justaugustus) [SIG Cluster Lifecycle and Release]

Dependencies

Added

Nothing has changed.

Changed

Nothing has changed.

Removed

Nothing has changed.

v1.17.8-rc.1

Downloads for v1.17.8-rc.1

Source Code

filename	sha512 hash	
kubernetes.tar.gz	da3cb0b669e7f3c698911d819a743439e4633da49	9812 d072105 acff 5122 bd308863 f
kubernetes-src.tar.gz	6 f 4 2 9 f d 9 6 8 4 5 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2 1 e d 8 d 8 7 8 0 d c 0 c c 3 e d 0 2 a 8 1 e b f 5 2	def7498004eee9b9990effd7e3908

Client binaries

filename	sha512 hash
kubernetes-client-darwin-	fa 8 e da 07 a 4 b 9 6 e 530 d 8 a d d 858 e e 673 d f 0 d b d 57 d 52 f 642 d 41 d 948 b d 09 b d d 309 b 745 d 648 d
386.tar.gz	
kubernetes-client-darwin- amd64.tar.gz	635 eacbe 628705 bbd 33c31321b069a1853 fe 2cb 2a7fbb44a28e86c62ca2a46d2ebcc62ca2a46d
kubernetes-client-linux-	b2920840 fa9 fe79 d76 a869 f4021 fd fecb df8821 e94270 ca469 be6c7 ae6025991 da1a80 february filled features for the filled february filled
386.tar.gz	
kubernetes-client-linux-	6 beb451 d551764 eab4e24 a463 c5c1 b2c5430 a6a62 f5e77153189 a5e23268 c314 f5fd
amd64.tar.gz	
kubernetes-client-linux-	334 db 1268 b 23 c 4 d9 ff 56 ccb fd 90 a 5 d0 cd0 ca 4b f 2874426 a 45 d56 e 11 f 50 1212 f 2d00 e 7 d 60 d
arm.tar.gz	
kubernetes-client-linux-	e81 fc23422 ce62 e15 e02 f4 abc1 b70 dbf1 ed566 d400 df40 e5 acccbe89 d25 bfc ad46607 df40 e5 acccbe89 df40 e
arm64.tar.gz	
kubernetes-client-linux-	df 6320c 33 daa e 7a86a 77904 b d194 fec 51692 f 6de 0778a 95 f 62 a d8a 7b 156043 c 04 c c a d6632 b 62
ppc64le.tar.gz	100001 00 0001040041 001 0011145 1 00 050001 40511 1000000 41 000
kubernetes-client-linux-	${\tt d2286ba60a862184694dec22be601bb45abe33ae37936de497bbd290889e4b383e34b383e34b383e34b383e34b383e34b383e34b386e34b36e34b666e34b66e34b66e34b66e34b66e34b66e34b66e34b66e34b66e34b66e34b666e34b66e34b66e34b66e34b66e34b66$
s390x.tar.gz	140014501 51651601 000161 000 15000-15-10140-6760460-0-16-10-074-1041/
kubernetes-client-windows-	148214721c7165169b382161e093d7828a15ad0149e67624f0c8c16d0e974ad941466666666666666666666666666666666666
386.tar.gz	01 107 470 100 10 100 00411 4770 004607 70 181 01 00 701 70 1070070 001
kubernetes-client-windows- amd64.tar.gz	9 b d 0 f b 1 f 2 c d 30 a b 2 c 5 f 0 5 a 29 4 b b 4 f 7 2 a 00 4 6 27 a 72 e d 5 f e 8 b 6 6 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 f 6 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 f 6 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b 7 2 d 97 f 8 378 e 68 f 8 e 7 6 b

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	09e4c5eb9eea18702e267a7f3e64e74e16287cb88573940f89010eeed4d6c7a3a35d64e74e16287cb88573940f89010eeed4d6c7a3a35d64e74e16287cb886573940f89010eeed4d6c7a3a35d64e74e16287cb886573940f89010eeed4d6c7a3a35d64e74e16287cb886573940f89010eeed4d6c7a3a35d64e74e16287cb886573940f89010eeed4d6c7a3a35d64e74e16287cb88657a940f89010eeed4d6c7a3a35d64e74e16287cb88657a940f89010eeed4d6c7a3a35d64e74e16287cb88657a940f89010eeed4d6c7a3a35d64e74e16287cb88657a940f89010eeed4d6c7a3a35d64e74e16287cb88657a940f89010eeed4d6c7a3a35d64e74e16287cb88657a940f89010eeed4d6c7a3a35d64e74e16287cb88657a940f89010eeed4d6c7a3a35d64e74e16287cb88657a940f89010eeed4d6c7a3a35d64e74e16287cb88657a940f89010eeed4d6c7a3a35d64e74e16287cb88656666666666666666666666666666666666
kubernetes-server-linux- arm.tar.gz	8a42e10d04f4093ddfce217081e2020165344e41df8f78ec48938adc40ae6f2c66e83f646f66f66f66f66f66f66f66f66f66f66f66f66
kubernetes-server-linux- arm64.tar.gz	61 d4 ba 59824 f272530 f6 ef957a 66 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08 fe2117 f238 aad 6b7394442062 b3 b9 dfd ca7b2 f08
kubernetes-server-linux- ppc64le.tar.gz	5693 d18 a 66104 fe1 d49900297 d9 bb6 c75 fe22 ee890 ae0 d40 a 6e6 afb3 e63 a 63 cfbf39 bare and a few features of the feature of the featu
kubernetes-server-linux- s390x.tar.gz	4780 f1 df8236 e0 e3 fc69 c4 e1 fda 45 dcc 280358215 b7 f834 a63790226 e2 ae8 f28295 bc9 feet and the first of the first

Node binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	981058f903a8fc69730d3255778ca0ad095dd8c2cd92cbf2c510ec6921bc753da7366666666666666666666666666666666666
kubernetes-node-linux- arm.tar.gz	$50134 \\ de 1a08 \\ de e 324 \\ ea147 \\ e46 \\ e5ca805 \\ a7cea0846 \\ d832 \\ c734 \\ c6db \\ 193 \\ c2642311 \\ a6c9 \\ e32642311 \\ a6c9 \\ e32642311 \\ e3264231 \\$
kubernetes-node-linux- arm64.tar.gz	b 570c 281cc 639a 22d 63a 1caaf 8478b 80a 88d 27521a 844799cc 3153d 7cdd 9b8a 13de 27521a 844796cc 3153d 7cdd 9b8a 13de 27521a 844799cc 3153d 7cdd 9b8a 13de 27521a 844796cc 31520a 844766cc 31520a
kubernetes-node-linux- ppc64le.tar.gz	357 a c 7 d 9 f 4 b 26 e f d d 425088 e b 2 f d 966 a f 6602 c 72 f f b 1 f 2 a 661390 e c 8 c 930 b 0 f 5 a 6 d f 3860 e c 8 c 9 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d 6 d
kubernetes-node-linux- s390x.tar.gz	d6369c4e72cd27c2b2232ca3e5e70dfcdad878122bde90b4f7328a27fafaee47cfdac6dac6dac6dac6dac6dac6dac6dac6dac6dac6
kubernetes-node-windows- amd64.tar.gz	8b2f568cfddad0ab47376aaefca8ad4a69b821891e8311c96f014a92f31ac3ae114f34a64a64a64a64a64a64a64a64a64a64a64a64a64

Changelog since v1.17.7

Changes by Kind

API Change

• Fixed: log timestamps now include trailing zeros to maintain a fixed width (#91207, @iamchuckss) [SIG Apps and Node]

Bug or Regression

- Fixes CSI volume attachment scaling issue by using informers. (#91307, @yuga711) [SIG API Machinery, Apps, Node, Storage and Testing]
- If first Timestamp is not set use first Timestamp or event Time when printing event (#91055, @soltysh) [SIG CLI]

- Kubeadm increased to 5 minutes its timeout for the TLS bootstrapping process to complete upon join (#89735, @rosti) [SIG Cluster Lifecycle]
- hyperkube: Use debian-hyperkube-base@v1.1.0 image

A previous release built hyperkube using the debian-hyperkube-base@v1.0.0, which was updated to address a CVE in the CNI plugins.

A side-effect of using this new image was that the networking packages (namely iptables) drifted from the versions used in the kube-proxy images.

The following issues were filed on kube-proxy failures when using hyper-kube:

- https://github.com/kubernetes/kubernetes/issues/92275
- https://github.com/kubernetes/kubernetes/issues/92272
- https://github.com/kubernetes/kubernetes/issues/92250

To address this, the new debian-hyperkube-base image (v1.1.0) uses the debian-iptables base image (v12.1.0), which includes iptables-wrapper, a script used to determine the correct iptables mode to run in. (#92494, @justaugustus) [SIG Cluster Lifecycle and Release]

Dependencies

Added

Nothing has changed.

Changed

Nothing has changed.

Removed

Nothing has changed.

v1.17.7

Downloads for v1.17.7

Source Code

filename	sha512 hash
kubernetes.tar.gz	b98b4e1fae60a50fe23ead412c700f8d0250d9dd327d0012efa3e4b74ff21a33bb6cf34b6cf74b6cf34b6cf34b6cf34b6cf34b6cf34b6cf3
kubernetes-src.tar.gz	8 be 11 a 7 f 76 96 a a 19319 c 0676 c 1 c 31 d b 37439 e 95 a c 32578 d 53 a 21 d d 1 c f 7 a 92 f f 5 f 5 f 795 d 50 d

Client binaries

filename	sha512 hash
kubernetes-client-darwin- 386.tar.gz	9c40a33687e212b712e904c8710b3fe4ed4d27542ffde63e40a5e19000cb9b1a3328a
kubernetes-client-darwin- amd64.tar.gz	8d294e6c28f15ee6518d0a60b809b51bfc3954e139735380305756622debf5a4043766624debf5a4043766624debf5a4043766646666666666666666666666666666666
kubernetes-client-linux- 386.tar.gz	$68e4839c4867172315 \\fd1b163d2df51c588f349dd43f978dcaeb471ea44e06333e54f36f349dd43f978dcaeb471ea44e06333e54f36f36f36f36f36f36f36f36f36f36f36f36f36f$
kubernetes-client-linux- amd64.tar.gz	a 0 196 a 68 e 70 422 c c 220 e 5 f 77 d 7 d 0 104 b 4248 c 0 a b 0 3 f 5 d 1858 655 b b 522071 f 22 f 3 e 9 c b 104 b
kubernetes-client-linux- arm.tar.gz	2 c f 7 e f e d b f d e 5 0 2 c 28 b 7 a 0 c 7 0 d 8 a 29 b 4 6 a 9 b d 12423 d 3 d 4 a 88429 f 8 b 19545 e e a 1 f b 37 e a 20 f 8 a 29 b 4 6 a 9 b d 12423 d 3 d 4 a 88429 f 8 b 19545 e e a 1 f b 37 e a 20 f 8 a 29 b 4 6 a 9 b d 12423 d 3 d 4 a 88429 f 8 b 19545 e e a 1 f b 37 e a 20 f 8 a 29 b 4 6 a 9 b d 12423 d 3 d 4 a 88429 f 8 b 19545 e e a 1 f b 37 e a 20 f 8 a
kubernetes-client-linux- arm64.tar.gz	931 d5463 ec4 f93 c0522767 f8 ff35 d2 e59115191 d93 f352 d68 de860 d6c59 b8238 ae6312 for the contraction of the contraction
kubernetes-client-linux- ppc64le.tar.gz	0 f 27 c c 434068 f f d 14 c 5 b 301 f 9 c 9 e 3 f 6 f c f 7 e 0 0 3 817 b 7 b 8 31 b 33 f c f 38292 d e 51 b 645 b e 1 f 64
kubernetes-client-linux- s390x.tar.gz	5030 d 86 f 1516 e 6 d 48 f 3 d 29 e c 20 f 5 c 9 d 3 a 7 b 578935 c e f 28 c 1512 b 2 b 67548 c e 8 c 0 a 6 b 12 b 20 c 20 f 3 c 20 c
kubernetes-client-windows- 386.tar.gz	3 d5 b4689 a0 ed8 bd935 cf116 cc6 c8 c43663 d0 d7 a208811075 ebe6 af26434 d4d9280 f7 feet to the contract of
$kubernetes\text{-}client\text{-}windows\\ amd 64.tar.gz$	e54073 dae3b756b899 caf4298 db20 e2 da2986 fe7539 a3b4 aaa960 bb8341021 cb3f3 e6566 bare 2012

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	2 fa 986227 f26663708 dc 2062 e 72160 e e f46931 b 561 f97 e 9 e 81 b 9156 b 7 c f1338 da 3 d 9 c f126 b 7 c f1
kubernetes-server-linux- arm.tar.gz	8335b464da28d66c773dd3fb96846b20104fcae656d41edec1bc5212a0a5bf843a02a2bf844a4bf84a4bf8
kubernetes-server-linux- arm64.tar.gz	7c19c83dda8d501249fdac24d07fe5ab7a99d5c540967107c2c4ec8561b5362d8ae364b66666666666666666666666666666666666
kubernetes-server-linux- ppc64le.tar.gz	ac954e3c467a144b59168b67b7153050260531b3560edf101f4be77cca8bd81b3dda66666666666666666666666666666666666
kubernetes-server-linux- s390x.tar.gz	ca 673 ec 937 d28 e90 eb2 c0 e8 d7 ce2 b83 e823 ea4221435 b15 b244 bce3 0909839 f5721 e623 b23 e823 ea4221435 b15 b244 bce3 0909839 f5721 e623 e623 e623 e623 e623 e623 e623 e623

Node binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	8 da 87 e 04 e e a 4 f e d d 7462992042894 a a b 97052 e 09 f d 68 c 4 a 7 e 47 b f 70 d 6 a d 411 b 214 e c d 6 a d 6
kubernetes-node-linux- arm.tar.gz	458 d8 f4 e52995581 a163 ac51 c7 f6 b6 e06 a11 a900 494 d92 d1 a290 d78 dc03 cb2 ebe0 cb2 f6
kubernetes-node-linux- arm64.tar.gz	7 ed 90 a 0028 a 5205 e 1 b 2 f d 41058260 b 7497 d c 9718773 f 9 b e f 828 d 3 b 6 e 7457 a 136072 c f 2000 a 1000 a 1
kubernetes-node-linux- ppc64le.tar.gz	59500 c1 fc178 a fe92 ad 8799 c2 c622586 f80209112 b966 ea20 ad b cee9 a6d c68 c3 b5 c39 for the contraction of the contracti
kubernetes-node-linux- s390x.tar.gz	e10f2ca363a02ba786d92ae8e2ab502afd434560dc83e2f5b1c9bd8ca9b076b9c53c646464646666666666666666666666666666
kubernetes-node-windows- amd64.tar.gz	67a7b24e93597eb5a7de462d379ee7e1a7c878dd04eda4fd5eb01b4ed0ac161cc67d1c

Changelog since v1.17.6

Changes by Kind

API Change

 Resolve regression in metadata.managedFields handling in update/patch requests submitted by older API clients (#92008, @apelisse) [SIG API Machinery and Testing]

Feature

• Extend AWS azToRegion method to support Local Zones (#90874, @Jeffwan) [SIG Cloud Provider]

Bug or Regression

- Azure: set dest prefix and port for IPv6 inbound security rule (#91831, @aramase) [SIG Cloud Provider]
- Fix internal loadbalancer configuration failure when subnet name too long (#86276, @yangl900) [SIG Cloud Provider]
- Fix public IP not shown issues after assigning public IP to Azure VMs (#90886, @feiskyer) [SIG Cloud Provider]
- Fixed a regression preventing garbage collection of RBAC role and binding objects (#90534, @apelisse) [SIG Auth]
- Kubeadm: increase robustness for "kubeadm join" when adding etcd members on slower setups (#90645, @neolit123) [SIG Cluster Lifecycle]
- Kubelet podresources API now provides the information about active pods only. (#79409, @takmatsu) [SIG Node]
- Pod Finalizers and Conditions updates are skipped for re-scheduling attempts (#91950, @alculquicondor) [SIG Scheduling]

- Resolve regression in metadata.managedFields handling in create/update/patch requests not using server-side apply (#91794, @apelisse) [SIG API Machinery and Testing]
- Resolves an issue using kubectl certificate approve/deny against a server serving the v1 CSR API (#91691, @liggitt) [SIG Auth and CLI]

Other (Cleanup or Flake)

- Update CNI to v0.8.6
 - build: Use debian-hyperkube-base@v1.0.0 image (#91386, @justaugustus) [SIG Cluster Lifecycle, Network, Release and Testing]

Dependencies

Added

Nothing has changed.

Changed

Nothing has changed.

Removed

Nothing has changed.

v1.17.6

Downloads for v1.17.6

Source Code

filename	sha512 hash
kubernetes.tar.gz	90b10c16aea412c39ea57f6ebb0f5cb74f939089ebad91cdc1a3c2d83890a88305b2
kubernetes-src.tar.gz	ea8bff7a3c607d1d10787d5160527ac26e05c11fd7247e9db2066e55f1514d8d8e0ee

Client binaries

filename	sha512 hash
kubernetes-client-darwin-	$a828219247 \\ db473 \\ d0e83 \\ e72 \\ d6b16811 \\ da5f6568 \\ ed6df9c62 \\ b81e42 \\ be97e74 \\ bebe20 \\ equiv \\ beautiful \\ equiv \\$
386. tar. gz	
kubernetes-client-darwin-	99 a c c c 972 b d 3 c 3412916867 e 8 f a 29 b a 7895 f 3 f 74 b 1 d 63999 d 8 a 7 b a 686 a 34 b e 616962 d 6200 d 620
amd64.tar.gz	
kubernetes-client-linux-	591211c27a91c3890530a90a0afc16a53a965e518b0db0e17024efeb34ee7c2279533a965e65666666666666666666666666666666666
386.tar.gz	

sha512 hash
43 ed75 d64419 d965 c5f42 dafe06 ab8 c511001883 d91 c93 ca68 d90 f36 c7f5 f2014 fd29 decomposition and the composition of the
faf2a45cfd178cc1bacaca3d1df6e109ce423214cbc3ef7ea45fae19bc8e4be058ecd0ef6af2af2ef6af2af2ef6af2eff6af2ef6af2ef6af2eff6af
a3d58a6d4accebecb15d7d53f89b1a198db3563f4986a96f38537dec939836f03958
b65305e339f6e4daeaa098baeae16688d99a5e1d869d3f1d875b98ab309f26b7ee3566666666666666666666666666666666666
31448 fc 881 a 4e 0 3c f 4946 15c fc 11605 c 432 e 8 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5355 a 3e 331b 65836 a 23 cec fc 0a 76 db 30 eff 5356 a 3e 360 a 20 eff 5356 a 20 eff 5366 a 20 ef
e3943a7030298ffa3ecd49636df99e1786d079db9765ca1b6ac090300224e6fa29e7cd166fa
4 d 48 a 854 a 66700 a a 84774219 e a 647803 c b f b 93 f f d 4 d 392 d 1 b 73 c 85 f 1 a a e 2457 c 634 b d 647803 c b f b 93 f f d 4 d 392 d 1 b 73 c 85 f 1 a a e 2457 c 634 b d 647803 c b f b 93 f f d 4 d 392 d 1 b 73 c 85 f 1 a a e 2457 c 634 b d 647803 c b f b 93 f f d 4 d 392 d 1 b 73 c 85 f 1 a a e 2457 c 634 b d 647803 c b f b 93 f f d 4 d 392 d 1 b 73 c 85 f 1 a a e 2457 c 634 b d 647803 c b f b 93 f f d 4 d 392 d 1 b 73 c 85 f 1 a a e 2457 c 634 b d 647803 c b f b 93 f f d 4 d 392 d 1 b 73 c 85 f 1 a a e 2457 c 634 b d 647803 c b f b 93 f f d 4 d 392 d 1 b 73 c 85 f 1 a a e 2457 c 634 b d 647803 c b f b 93 f f d 4 d 392 d 1 b 73 c 85 f 1 a a e 2457 c 634 b d 647803 c b f b 93 f f d 4 d 392 d 1 b 73 c 85 f 1 a a e 2457 c 634 b d 647803 c b 647800 c

Server binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	aea400c0debb56417d113fa733d6434dff0db8a38f425b307fc204b7035a2b15f4529
kubernetes-server-linux- arm.tar.gz	4 d5370 b5 b4 a ed73 bb da6 adf4 bfb c2 dee2 c7 dea61 af60 41 c9 e7 f2713 e727 d653 b218 bare for the first of the first
kubernetes-server-linux- arm64.tar.gz	1e6972d013ef6a365175dc621fb72f5b3fad5bb239947bd2ffcc348c0179b565cb4d24c64666666666666666666666666666666666
kubernetes-server-linux- ppc64le.tar.gz	f3ac669007db1ff156349f80511e8768eef4e0fb6032074549bc779b78f0810abd7592449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78f0810abd759449bc779b78649bc779bc779bc779b78649bc779bc779bc779bc779bc779bc779bc779bc7
kubernetes-server-linux- s390x.tar.gz	$2 {\rm cb7e373} a {\rm eda7e76edaa5576280d8944} a {\rm e8c9b09905} a {\rm e82e884f2a769a92ec06c0f566} a {\rm e82e886f2a769a92ec06c0f566} a {\rm e82e86666} a {\rm e82e866666} a {\rm e82e866666} a {\rm e82e86666} a {\rm e82e86666} a {\rm e82e86666} a {\rm e82e86666} a {\rm e$

Node binaries

filename	sha512 hash
	SHOOTE HOUSE
kubernetes-node-linux- amd64.tar.gz	f6eb62e4939c166f2b0b5ed4b7acf723220f6b30d896b281387af8790a0598fb12622666666666666666666666666666666666
kubernetes-node-linux- arm.tar.gz	b945c9c7645b65e7c34bab8f9b3038d4f07b14ccb0cf1ce3bc92bcede90b971a2efe764bb65e7c34bab8f9b3038d4f07b14ccb0cf1ce3bc92bcede90b971a2efe764bb65e7c34bab8f9b3038d4f07b14ccb0cf1ce3bc92bcede90b971a2efe764bb65e7c34bab8f9b3038d4f07b14ccb0cf1ce3bc92bcede90b971a2efe76bc92bc92bcede90b971a2efe76bc92bc92bc92bc92bc92bc92bc92bc92bc92bc92
kubernetes-node-linux- arm64.tar.gz	b642196aca36c3079b1cf9ff942369976f1291d91393b3c6e8fdcd1df7415636de29b3642196aca36c3079b1cf9ff942369976f1291d91393b3c6e8fdcd1df7415636de29b3642196aca36c3079b1cf9ff942369976f1291d91393b3c6e8fdcd1df7415636de29b3642196aca36c3079b1cf9ff942369976f1291d91393b3c6e8fdcd1df7415636de29b3642196aca36c3079b1cf9ff942369976f1291d91393b3c6e8fdcd1df7415636de29b364246666666666666666666666666666666666
kubernetes-node-linux- ppc64le.tar.gz	4 fb 68986045b2725eeb7a9089 fafe 99f4 faa 37e 366e 494282e07f6c 2b957170b0 ae 962000000000000000000000000000000000000

filename	aha E10 haah
пенаше	sha512 hash
kubernetes-node-linux- s390x.tar.gz	f237a2992907c59b71593fedcc3aea993d2c1eca2c8cd0025e9b79d4b193aee4c9aalabababababababababababababababababab
$kubernetes-node-windows-\\amd 64.tar.gz$	5c591a1907e01047b8ead6f23a1a0cd08b82b7fd88d93d72ba8d79dfd24ae28550d29ba8d79dfd24ae28560d29ba8d79dfd24ae28560d29ba8d79dfd24ae28560d29ba8d79dfd24ae28560d29ba8d79d64ae2860d64ae28600d64ae2860d64ae2860d64ae2860d64ae2860d64ae2860d64ae2860d64ae28600d64ae28600d64ae286000000000000000000000000000000000000

Changelog since v1.17.5

Changes by Kind

API Change

• Fix bug where sending a status update completely wipes managedFields for some types. (#90032, @apelisse) [SIG API Machinery and Testing]

Bug or Regression

- Base-images: Update to kube-cross:v1.13.9-5 (#90965, @justaugustus) [SIG Release]
- CSINode initialization does not crash kubelet on startup when APIServer is not reachable or kubelet has not the right credentials yet. (#89589, @jsafrane) [SIG Storage]
- Fix HPA when using init containers and CRI-O (#90901, @joelsmith) [SIG Node]
- Fix flaws in Azure CSI translation (#90325, @andyzhangx) [SIG Cloud Provider]
- Fix: Init containers are now considered for the calculation of resource requests when scheduling (#90414, @alculquicondor) [SIG Scheduling]
- Fix: azure disk dangling attach issue which would cause API throttling (#90749, @andyzhangx) [SIG Cloud Provider]
- Fix: get attach disk error due to missing item in max count table (#89768, @andyzhangx) [SIG Cloud Provider and Storage]
- Fix: support removal of nodes backed by deleted non VMSS instances on Azure (#91184, @bpineau) [SIG Cloud Provider]
- Fixed "requested device X but found Y" attach error on AWS. (#85675,
 @jsafrane) [SIG Cloud Provider and Storage]
- Fixes a bug defining a default value for a replicas field in a custom resource definition that has the scale subresource enabled (#90020, @liggitt) [SIG API Machinery, CLI, Cloud Provider, Cluster Lifecycle and Instrumentation]
- Fixes a regression in 1.17 that dropped cache-control headers on API requests (#90468, @liggitt) [SIG API Machinery and Testing]
- Provides a fix to allow a cluster in a private Azure cloud to authenticate to ACR in the same cloud. (#90425, @DavidParks8) [SIG Cloud Provider]
- Scheduling failures due to no nodes available are now reported as unschedulable under schedule_attempts_total metric. (#90989, @ahg-g) [SIG

Scheduling]

Other (Cleanup or Flake)

- base-images: Use debian-base:v2.1.0 (includes CVE fixes)
- base-images: Use debian-iptables:v12.1.0 (includes CVE fixes) (#90938, @justaugustus) [SIG API Machinery, Cluster Lifecycle and Release]

Dependencies

\mathbf{Added}

Nothing has changed.

Changed

• k8s.io/kube-openapi: 82d701f \rightarrow bcb3869

Removed

Nothing has changed.

v1.17.5

Documentation

Downloads for v1.17.5

filename	sha512 hash
kubernetes.tar.gz	d0d1b451d5cafd3e909ba15d09c7277a85eba682696cd60684dca8c5ce8db0
kubernetes- $src.tar.gz$	b7a78f9ea3e8088ac3f7dfd671d011fdb0a6cd28342fc19cf35d183f7cf8ff

Client Binaries

filename	sha512 hash
kubernetes-client-darwin- 386.tar.gz	8fc24f1f69052372078d76208f9137cf38a3ba689580cf197ab8fff503663e
kubernetes-client-darwin- amd64.tar.gz	fb7ff087cc82b930399c5512656de68a8b9c61f54e3bd3e627fff097e67a18
kubernetes-client-linux- 386.tar.gz	544a71885ac66ba4911db7d086880badbf395518b1e6d7bcc03ffc2139c1dc
kubernetes-client-linux- amd64.tar.gz	4cf67f972aad3425bccc48af83f8cb59ddcc96de49d3bb21cdbbcbbeee3171

filename	sha512 hash
kubernetes-client-linux- arm.tar.gz	c90a93b3ffc5d2fc41bb913b6b698b5e9a54c737ea13738dc94ef8baed88dc
kubernetes-client-linux- arm64.tar.gz	c2e2f02a75e92a0505db81941e03cc42effc7f49b89a0c151f5389d57cbc4
kubernetes-client-linux- ppc64le.tar.gz	f1b023d6ae59c5f0f7bbb44f23c7f6185673ff834dd6929e23d14e190a5d0
kubernetes-client-linux- s390x.tar.gz	b7f4e92ee30a57f2f20244e092614ea7dc5bb0791b041b39f9593b35bd10a
kubernetes-client-windows- 386.tar.gz	d21824110b75cfbe3d144eb303560e0a193c9d998be00d4f1f77c672c6fbe
kubernetes-client-windows- amd64.tar.gz	5dc5d50b85aaa40998b3ade4fd51fffe3c4be4bad4382495cf9f6a3e910de

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	90f571a24527a119499a1546c44dfdb29df74f302a2907ce14f378d79c5e9f
kubernetes-server-linux- arm.tar.gz	0555e1969f5fa44ecbe331c4ed75df6d56e929e123d9abe6f4ba75c0ffb1ae
kubernetes-server-linux- arm64.tar.gz	2e8e446d7a132227c0e926504e65bf9ff6180b7171ac16d51dd92c1729161c
kubernetes-server-linux- ppc64le.tar.gz	08733b06f4174cd14d27d33966fe821b20abd67da94f3aa90b146a3d9ce6f2
kubernetes-server-linux-s390x.tar.gz	a170a62da4e3d5d27c0af7d03aa9db5a947a5d296ccba40fc283fb0da671a3

Node Binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	99d92cbc9227b49d52fdec303aca4c529bcb45ed66ecbd559803b6d68314b3
kubernetes-node-linux- arm.tar.gz	931dd0c7b56c7914495cbcba7df998d1db335d635d457c0cf062a3db0c2ec0a
kubernetes-node-linux- arm64.tar.gz	23bbfe1f60b95705846f214bbe243beaeec6c53de33b15231b99094914584da
kubernetes-node-linux- ppc64le.tar.gz	808abe9a96f461ac303b020c716e3a7fc94b1901cbd56bba836f2caf8292e71
kubernetes-node-linux- s390x.tar.gz	a645d8e8ade9af849764755165cdf0fc9eb04671afe2610562082f27f2aba74

filename	sha512 hash
kubernetes-node-windows-	501a5d52229012e8bfcf1e8f7e4cf72f226d5aac451cc70ca23ead5ed3f9d5
amd64.tar.gz	

Changelog since v1.17.4

Changes by Kind

Feature

- deps: Update to Golang 1.13.9
 - build: Remove kube-cross image building (#89399, @justaugustus)
 [SIG Release, Storage and Testing]

Bug or Regression

- Client-go: resolves an issue with informers falling back to full list requests when timeouts are encountered, rather than re-establishing a watch. (#89976, @liggitt) [SIG API Machinery and Testing]
- EndpointSlice controller now handles terminating pods correctly and is better at preventing race conditions. (#89118, @robscott) [SIG Apps and Network]
- Ensure Azure availability zone is always in lower cases. (#89722, @feiskyer) [SIG Cloud Provider]
- Fix failing conformance when using docker container runtime w/ the docker/journald logging driver. #87933 (#88586, @jdef) [SIG Node]
- Fix invalid VMSS updates due to incorrect cache (#89002, @ArchangelSDY) [SIG Cloud Provider]
- Fix the VMSS name and resource group name when updating Azure VMSS for LoadBalancer backendPools (#89337, @feiskyer) [SIG Cloud Provider]
- Fix: check disk status before delete azure disk (#88360, @andyzhangx) [SIG Cloud Provider]
- Fixed a data race in kubelet image manager that can cause static pod workers to silently stop working. (#88915, @roycaihw) [SIG Node]
- Fixed an issue that could cause the kubelet to incorrectly run concurrent pod reconciliation loops and crash. (#89055, @tedyu) [SIG Node]
- Fixed the EndpointSlice controller to run without error on a cluster with the OwnerReferencesPermissionEnforcement validating admission plugin enabled. (#89805, @marun) [SIG Auth and Network]
- Fixes conversion error for HorizontalPodAutoscaler objects with invalid annotations (#89967, @liggitt) [SIG Autoscaling]
- Fixes conversion error in multi-version custom resources that could cause metadata.generation to increment on no-op patches or updates of a custom resource. (#88995, @liggitt) [SIG API Machinery]
- Fixes kubectl apply/prune in namespace other than default. (#90024, @seans3) [SIG CLI and Testing]

- For GCE cluster provider, fix bug of not being able to create internal type load balancer for clusters with more than 1000 nodes in a single zone. (#89902, @wojtek-t) [SIG Cloud Provider, Network and Scalability]
- For volumes that allow attaches across multiple nodes, attach and detach operations across different nodes are now executed in parallel. (#89239, @verult) [SIG Apps, Node and Storage]
- Kube-proxy no longer modifies shared EndpointSlices and will not break with EndpointSlice feature gate enabled on Windows. (#89117, @robscott) [SIG Network]
- Kubeadm: apply further improvements to the tentative support for concurrent etcd member join. Fixes a bug where multiple members can receive the same hostname. Increase the etcd client dial timeout and retry timeout for add/remove/... operations. (#87505, @neolit123) [SIG Cluster Lifecycle]
- Kubelet metrics gathered through metrics-server or prometheus should no longer timeout for Windows nodes running more than 3 pods. (#87730, @marosset) [SIG Node, Testing and Windows]
- Restores priority of static control plane pods in the cluster/gce/manifests control-plane manifests (#89970, @liggitt) [SIG Cluster Lifecycle and Node]

Other (Cleanup or Flake)

• Reduce event spam during a volume operation error. (#89794, @msau42) [SIG Storage]

v1.17.4

Documentation

Downloads for v1.17.4

filename	sha512 hash
kubernetes.tar.gz	cf69ebcaddc3902008399b96a18548d9a2a551d9fa6a1e34533f0f83ef10ab
kubernetes-src.tar.gz	c638e47bc54754842a018e2cd2e724357f5e3906c0971dad76656e8a8e0ced

Client Binaries

filename	sha512 hash
kubernetes-client-darwin-	64eee9f00ce02b6a139bd20512130f5d193d3862853460fa94b43c946cbcc90
386.tar.gz	
kubernetes-client-darwin-	02646ce4087a59c2b6a3e398554173f969639d47ef6b14f384812f44f5dbbb
amd64.tar.gz	

filename	sha512 hash	
kubernetes-client-linux-	bef8fe2453666b9e8a4b5f130b95b1dfaf1294	4d30cbc08eea53caaa715db0ba
386.tar.gz		
kubernetes-client-linux- amd64.tar.gz	42907ace0672b839f656e3afa09827725cdb94	1980435b186221c36f7a9e2d6
kubernetes-client-linux- arm.tar.gz	f50785865d8830fa05bc27f7812e213c4ab4b1	ld020b5eb919bbf20910cfd98
kubernetes-client-linux- arm64.tar.gz	13b0ec947cb186e17fbb571ad1bceef84cf236	3a8ab3bf52679006f30bbafa81
kubernetes-client-linux- ppc64le.tar.gz	e4727134da0b01a31977f225794cff9d9860b0)f62b670fb525cba1b686d7d73
kubernetes-client-linux- s390x.tar.gz	368b03ac429d2c8368312214be0ce656e7d9ac	c7ae334a3659b8fbb8c75713d
kubernetes-client-windows- 386.tar.gz	962779586897ec218afad31178b547b2eec1e7	79c434ead49d51459174cca357
kubernetes-client-windows- amd64.tar.gz	c905c5ed45bd430aa9c8f2147edb0a0ac7d5bb	od934a77ac6b9527dd5f0abc04

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	a26953a277a383629139651913b85092ef722cf00722193df31ff977cac70
kubernetes-server-linux- arm.tar.gz	0c8def28b67d7a8e2644662f8a42aeda5536249d8c7f63e0bbe225e1dab45
kubernetes-server-linux- arm64.tar.gz	95285714bf8542bbc482b0544eb6cdfcb0cf217e6863c27810dfe10371674
kubernetes-server-linux- ppc64le.tar.gz	5cb63c371dc9b2ad7a1d665debd1e9890cc49235b61767aa5244141989e90
kubernetes-server-linux- s390x.tar.gz	fd26e9f6d8dc473c75f83ffd5c0fed0e28d307d88915db7c3152804e77285

Node Binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	31cfbc4610504a02c7b3fcd0b97b48b27afdf9232fa0d02527c7873a78bb721
kubernetes-node-linux- arm.tar.gz	5f458a3b8d91cd9b5fb47a9f6d1091bc960115140d4ed6f6dab7d275599b801
kubernetes-node-linux- arm64.tar.gz	1d92b3de82c9db491a2281a684d9a2dd86e998b66455ab2b48a4449e50aedd2

filename	sha512 hash
kubernetes-node-linux- ppc64le.tar.gz	ee17d8964217e6a53b2e9a93edecb882a8e8ad9c6d40c2875bc61f35a5e1dfd
kubernetes-node-linux- s390x.tar.gz	7e38f136462d6edfe117d8c98da5e5011d4a21bd5e9121649a73ca29d0ed36
kubernetes-node-windows- amd64.tar.gz	1f36238ced406817dd25971616b6bbb3ff595b334442ce614c611e4ef3bde62

Changelog since v1.17.3

Changes by Kind

API Change

• Fixes a regression with clients prior to 1.15 not being able to update podIP in pod status, or podCIDR in node spec, against >= 1.16 API servers (#88505, @liggitt) [SIG Apps and Network]

Other (Bug, Cleanup or Flake)

- Add delays between goroutines for vm instance update (#88094, @aramase) [SIG Cloud Provider]
- Adds "volume.beta.kubernetes.io/migrated-to" annotation to PV's and PVC's when they are migrated to signal external provisioners to pick up those objects for Provisioning and Deleting. (#87098, @davidz627) [SIG Apps and Storage]
- Build: Enable kube-cross image-building on K8s Infra (#88595, @justaugustus) [SIG Release and Testing]
- Fix /readyz to return error immediately after a shutdown is initiated, before the –shutdown-delay-duration has elapsed. (#88953, @tkashem) [SIG API Machinery]
- Fix a bug in kube-proxy that caused it to crash when using load balancers with a different IP family (#87117, @aojea) [SIG Network]
- Fix handling of aws-load-balancer-security-groups annotation. Security-Groups assigned with this annotation are no longer modified by kubernetes which is the expected behaviour of most users. Also no unnecessary Security-Groups are created anymore if this annotation is used. (#88689, @Elias481) [SIG Cloud Provider]
- Fix route conflicted operations when updating multiple routes together (#88209, @feiskyer) [SIG Cloud Provider]
- Fix: add azure disk migration support for CSINode (#88014, @andyzhangx) [SIG Cloud Provider and Storage]
- Fix: add remediation in azure disk attach/detach (#88444, @andyzhangx)
 [SIG Cloud Provider]
- Fix: azure file mount timeout issue (#88610, @andyzhangx) [SIG Cloud Provider and Storage]

- Fix: corrupted mount point in csi driver (#88569, @andyzhangx) [SIG Storage]
- Fix: get azure disk lun timeout issue (#88158, @andyzhangx) [SIG Cloud Provider and Storage]
- Fixes issue where you can't attach more than 15 GCE Persistent Disks to c2, n2, m1, m2 machine types. (#88602, @yuga711) [SIG Storage]
- Fixes kubelet crash in client certificate rotation cases (#88079, @liggitt) [SIG API Machinery, Auth and Node]
- Get-kube.sh uses the gcloud's current local GCP service account for auth when the provider is GCE or GKE instead of the metadata server default (#88383, @BenTheElder) [SIG Cluster Lifecycle]
- Golang/x/net has been updated to bring in fixes for CVE-2020-9283 (#88381, @BenTheElder) [SIG API Machinery, CLI, Cloud Provider, Cluster Lifecycle and Instrumentation]
- Limit number of instances in a single update to GCE target pool to 1000. (#87881, @wojtek-t) [SIG Cloud Provider, Network and Scalability]
- Update to use golang 1.13.8 (#87648, @ialidzhikov) [SIG Release and Testing]

v1.17.3

Documentation

Downloads for v1.17.3

filename	sha512 hash
kubernetes.tar.gz	63e54488630e41488f7153583b3c536df766a623c9eb41634e09a113e2ffda
${\bf kubernetes\text{-}src.tar.gz}$	e09b1010d1673faeba6684d28405ee0963c1b42a28da4b00c38169b0422ab8

Client Binaries

filename	sha512 hash
kubernetes-client-darwin- 386.tar.gz	00233c38903b92cd328b5bf4f48df47df9d858690887e46647e29f2453778a
kubernetes-client-darwin- amd64.tar.gz	587b2f0e4a8b4e736dfc480a939ad866f5cea8b28fe7cfd34bc383f9150096
kubernetes-client-linux- 386.tar.gz	4ab88ef8526ee5a3fdffe3f6fcd85d0314c80cc079cc50945c073849dcc1dc
kubernetes-client-linux- amd64.tar.gz	351d6b0d8077cadd8d4b95c145b165be5bc5cd07b59d44b7e81e6dc46f5b85
kubernetes-client-linux- arm.tar.gz	0b2c490398001aa363b4e4dd3ac93abbcb6330e76a54534b6c66dbcd356f5f

filename	sha512 hash
	516612 11651
kubernetes-client-linux- arm64.tar.gz	be0cab0399bea7aa78f286031328b049177107168a9ed28f0c7f0e38a04813
kubernetes-client-linux- ppc64le.tar.gz	8ce6ba5ee2f4867786dd279c016f1a2ac3355898cbe647455e108348131cb6
kubernetes-client-linux- s390x.tar.gz	88f20dd15d89b8134240c6c1c036529f1deca1e8f32860c2043147cfd53309
kubernetes-client-windows- 386.tar.gz	71cdda152a25556743f7c83164b45988c9844fe3eae9033d76177a2615f844
kubernetes-client-windows-amd64.tar.gz	19f2a02540c9348b235e43854b3093989c41de0dcfc57df9ad9d63a339d9df

Server Binaries

<u></u>	1 840.1 1
filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	12f86462f6ab4c1fd1d057d4f8c874bd8782174966ffb3cb2477f0f68c3ede8
kubernetes-server-linux- arm.tar.gz	ada379873db29c3f6eefcb5efa2b027ae835beb20b39c03fbbbf1c8490f447d
kubernetes-server-linux- arm64.tar.gz	e3fc5cf9b111e232d28879116434481a45e2c38ad56a349a7353e020ab88bat
kubernetes-server-linux- ppc64le.tar.gz	8b8f8af3864fe71c4fb8f767a42dc47882816216da41c0b5d114a75b37c50c9
kubernetes-server-linux- s390x.tar.gz	5483e4835ea03686b0f79413c3cde16305d752fd15665b3f78848c90f0ee7bd

Node Binaries

		_
filename	sha512 hash	
kubernetes-node-linux- amd64.tar.gz	74f34a4c00b6b9350d978bcdd06f6adce55b2	?11876186e98bcef4eef35008al
kubernetes-node-linux- arm.tar.gz	6cd247524ca8373e0f23eba5a2021844a12d0	068dee64aaf195b8c430c7fc0a
kubernetes-node-linux- arm64.tar.gz	238e02534c2b905987fe54df477a793561d1e	:79c40a6c669cabdbec025e17cl
kubernetes-node-linux- ppc64le.tar.gz	a8d0ff718320cfa2771e4010d970f4e27c80d	laa2eb7e082be03d4310cf51292
kubernetes-node-linux- s390x.tar.gz	c323ad2690a7924a0b264de678a01b4948cdf	bac0d0cc357fcdc17c31ebc9de
kubernetes-node-windows- amd64.tar.gz	7323b7adf83fccc65eea9f23370794aa9901e	9a9b3b1ac90403197448408ee

Changelog since v1.17.2

Changes by Kind

Other (Bug, Cleanup or Flake)

- Bind metrics-server containers to linux nodes to avoid Windows scheduling on kubernetes cluster includes linux nodes and windows nodes (#87020, @wawa0210) [SIG Cluster Lifecycle and Instrumentation]
- Bug fixes for EndpointSlice controller that prevent race condition and modifying shared objects. (#87731, @robscott) [SIG Apps and Network]
- Fix a regression in kubenet that prevent pods to obtain ip addresses (#87286, @aojea) [SIG Network and Node]
- Fix regression in statefulset conversion which prevented applying a statefulset multiple times. (#87721, @liggitt) [SIG Apps and Testing]
- Fix the bug PIP's DNS is deleted if no DNS label service annotation isn't set. (#87312, @nilo19) [SIG Cloud Provider]
- Fix: set nil cache entry based on old cache (#87591, @aramase) [SIG Cloud Provider]
- Fixed a bug which could prevent a provider ID from ever being set for node if an error occurred determining the provider ID when the node was added. (#87043, @zjs) [SIG Apps and Cloud Provider]
- Fixed the following
 - AWS Cloud Provider attempts to delete LoadBalancer security group it didn't provision
 - AWS Cloud Provider creates default LoadBalancer security group even if annotation [service.beta.kubernetes.io/aws-load-balancer-security-groups] is present (#87206, @bhagwat070919) [SIG Cloud Provider]
- Fixed two scheduler metrics (pending_pods and schedule_attempts_total) not being recorded (#87692, @everpeace) [SIG Scheduling]
- Kubelet metrics have been changed to buckets. For example the exec/{podNamespace}/{podID}/{containerName} is now just exec. (#87913, @cheftako) [SIG Node]
- Pods that are considered for preemption and haven't started don't produce an error log. (#87900, @alculquicondor) [SIG Scheduling]
- Reverted a kubectl azure auth module change where oidc claim spn: prefix was omitted resulting a breaking behavior with existing Azure AD OIDC enabled api-server (#87507, @weinong) [SIG API Machinery, Auth and Cloud Provider]
- The client label for apiserver_request_count and apiserver_request_total now no-opts and merely records an empty string. (#87673, @logicalhan) [SIG API Machinery, Instrumentation and Scalability]

v1.17.2

Documentation

Downloads for v1.17.2

filename	sha512 hash
kubernetes.tar.gz	82771f9ea6e1da774473500e03bbb8ad8328c27c05ee79514528df5283556f
kubernetes-src.tar.gz	117222d9590e17e5f932644e54299cf35c870b7969b12aff51392ba958a298

Client Binaries

filename	sha512 hash
kubernetes-client-darwin- 386.tar.gz	fb0163fd0f8e8372c6f6424097badf1ee0b9af1aff5aa6331bdfebf529e71c
kubernetes-client-darwin- amd64.tar.gz	b8cc6dde28dbf06ecfdad6917e1707c3e776aca05d6d3bf782cc26210d87fd
kubernetes-client-linux- 386.tar.gz	bb2ba270c7953a5ff020cd28116c6067c4299af31c2b2521fd54296b66047c
kubernetes-client-linux- amd64.tar.gz	c5cd8954953ea348318f207c99c9dcb679d73dbaf562ac72660f7dab85616f
kubernetes-client-linux- arm.tar.gz	e53a85f0ff2f522603005fec16a9019794f6c7b2704b66e2a963909193caff
kubernetes-client-linux- arm64.tar.gz	9cdd0e75bc67f8197c50d7b07ef3aa5b59882cb50ac06abf56d4897b12dc75
kubernetes-client-linux- ppc64le.tar.gz	f0ae9f154146047c8153df0de7d085977ff308227503e8cb673d8c97af933a
kubernetes-client-linux- s390x.tar.gz	203d030803959df4dab13e17e57cfd9ece1e68b09c769172475b73268c3d25
kubernetes-client-windows- 386.tar.gz	de36a20e3484c2039344123853cf3b60bd9ce49e248a2d0c821aeb7a9d9051
kubernetes-client-windows-amd64.tar.gz	e43beb437f077dd995b28bf8a306c413117315612eb5cf2ecbb686b2420d6d

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	472e911bf28a6fc583c20cf56eee4a8ec2ede557454b4f5dabc668cd211aeac
kubernetes-server-linux- arm.tar.gz	14b95f7e8ecf75026f19e4f28c53ed6d1bc82b5577c045168c787cd95cff997
kubernetes-server-linux- arm64.tar.gz	cec1cc9a4f99295a9c98467ac76cec50f7da23ed45f21ad9bf860fb950f4ff
kubernetes-server-linux- ppc64le.tar.gz	4727e58ba35303280a4203b2a09b4344cfed372e943a29176e43b3877c1b854

filename	sha512 hash
kubernetes-server-linux- s390x.tar.gz	e178c46402b9c308ff915a5f7675fead8a43de45fe1c55b0b36b26aa6fe2c97

Node Binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	e7546138dd1768716e7bbfe6136625ff2023293ec1f62741b63c167aaebe9l
kubernetes-node-linux- arm.tar.gz	0360d2676726a6884d6a2a66ecfe77e1b50882ab1301bd9bfb935b958de4da
kubernetes-node-linux- arm64.tar.gz	4ca031a44f2dbbca883406258904e11e11360ab80300f5c422e88103545214
kubernetes-node-linux- ppc64le.tar.gz	79a20f5c2acc454e9803bd9ece890ebc0564a45471e4afa03c92b6b489354
kubernetes-node-linux- s390x.tar.gz	553b5fccf539da0f149b97ba47d4d1e163c86a6a057132fa308f9eb2e3df7
kubernetes-node-windows- amd64.tar.gz	0d17642c68aeaffa276ee92c87181a3ef6d9e4dd2b41d6b064f7a20bb3ad9

Changelog since v1.17.1

No notable changes for this release

v1.17.1

Documentation

Downloads for v1.17.1

filename	sha512 hash
kubernetes.tar.gz kubernetes-src.tar.gz	b75a513ac1edc366a0ab829866687c4937485a00a0621a729860ae95fa278e0

Client Binaries

filename	sha512 hash
kubernetes-client-darwin-	
386.tar.gz	

filename	sha512 hash	
kubernetes-client-darwin- amd64.tar.gz	29291fc2c8b36d13590c7cfdf423ac64d102962d	:39470398ee7b9e6191c44da
kubernetes-client-linux- 386.tar.gz	41dafee8a1e73a56a25d87b93c2d8287145cfcd3	3a844a085c34cd6cafdbb22
kubernetes-client-linux- amd64.tar.gz	0f8b21ce610b738d0a993b40134edf4ce5ef3d2b	o020f2bf2ca5a5f142bbe5d0
kubernetes-client-linux- arm.tar.gz	c7d4d89c06161ffedec679bc5697b7975bfd4ad4	l0df3d083ef056db0a8c385
kubernetes-client-linux- arm64.tar.gz	60d5edd8cd48b2facb3e1c5b347ed0f204e7c808	3933453abd6ed11586cf0127
kubernetes-client-linux- ppc64le.tar.gz	0b7c8275bde773fbf5be33522e8f5397646d812b	>82fd76c94a5267d75695ba
kubernetes-client-linux- s390x.tar.gz	b6e71cb554e521a15c132910c603aee5a6af1e1c	:5626dbddeb34f1185a6ee7
kubernetes-client-windows- 386.tar.gz	ecb66c26b38e5ef7e4e8a56387abb04c91db4986	3b3cd7ef885c1f483064f166
kubernetes-client-windows- amd64.tar.gz	84892304a154f52815211c4b34f6d2d733edca81	lbb7cb9b9f82b57dd80d276l

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	6167314423333f34a4850bd3860617217650f6d2cabf1c287de868040c5946
kubernetes-server-linux- arm.tar.gz	87e04427e7001cb065d1de505f250e054ed3b11d6d3e35b19d830c4040dcf9
kubernetes-server-linux- arm64.tar.gz	6c6e58a97a6235b37be076439b76f3b102a131b87371793833b420d5b22ae7
kubernetes-server-linux- ppc64le.tar.gz	31aa35a2fff29f54183f1ca82ca7cf3ae1796e1f49592f2f789597edb30036
kubernetes-server-linux- s390x.tar.gz	287eaa186dde6858c84234f7219bb4959476033805294e7d9cddb8b097644b

Node Binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	c91c314caa7a5a7ad6d7bf1663b5fd7a7d4a125c250dc1442bae6d742f964e
kubernetes-node-linux- arm.tar.gz	c3cefebf12aa0848201cf68d32227386498180c31c78a38e81988953bd0dc3

filename	sha512 hash	
kubernetes-node-linux- arm64.tar.gz	a278b708b1d68405315128619fca63a7cd35cd980575309a8893c8	3d128e4cc5
kubernetes-node-linux- ppc64le.tar.gz	8a74e82b6e07203d273c598c6c63af16f278d4d42224157a82b52a	1490f9549¢
kubernetes-node-linux- s390x.tar.gz	fd35476eff035bcf35423a5fec3579861c5b2bd7b970c47075cc3f	f314be6988
kubernetes-node-windows- amd64.tar.gz	feddf53e05819f081d08d8d4086b395848d638c728a8aaa30e7d83	3cdfdbbbf

Changelog since v1.17.0

Other notable changes

- Fixed a regression where the kubelet would fail to update the ready status of pods. (#84951, @tedyu)
- Fix nil pointer dereference in azure cloud provider (#85975, @ldx)
- fix: azure disk could not mounted on Standard_DC4s/DC2s instances (#86612, @andyzhangx)
- Fix v1.17.0 regression in reflector relist causing master rolling upgrade to fail for large clusters due to excessive list calls to etcd (#86824, @jpbetz)
- Fixes issue where AAD token obtained by kubectl is incompatible with on-behalf-of flow and oidc. (#86412, @weinong)
 - The audience claim before this fix has "spn:" prefix. After this fix, "spn:" prefix is omitted.
- fix: azure data disk should use same key as os disk by default (#86351, @andyzhangx)
- Fixes an issue with kubelet-reported pod status on deleted/recreated pods. (#86320, @liggitt)
- Fixes v1.17.0 regression in –service-cluster-ip-range handling with IPv4 ranges larger than 65536 IP addresses (#86534, @liggitt)
- Fixed a panic in the kubelet cleaning up pod volumes (#86277, @tedyu)
- Resolves performance regression in kubectl get all and in client-go discovery clients constructed using NewDiscoveryClientForConfig or NewDiscoveryClientForConfigOrDie. (#86168, @liggitt)
- Fix LoadBalancer rule checking so that no unexpected LoadBalancer updates are made (#85990, @feiskyer)

v1.17.0

Documentation

Downloads for v1.17.0

filename	sha512 hash
kubernetes.tar.gz	68d5af15901281954de01164426cfb5ca31c14341387fad34d0cb9aa5f40c93
kubernetes-src.tar.gz	5424576d7f7936df15243fee0036e7936d2d6224e98ac805ce96cdf7b83a7c

Client Binaries

filename	sha512 hash	
kubernetes-client-darwin-	4c9a06409561b8ecc8901d0b88bc955ab8b8c99)256b3f6066811539211cff5
386.tar.gz		
kubernetes-client-darwin- amd64.tar.gz	78ce6875c5f5a03bc057e7194fd1966beb621f8	325ba786d35a9921ab1ae33e
kubernetes-client-linux-	7a4bcd7d06d0f4ba929451f652c92a3c4d428f9	b38ed83093f076bb25699b9
386.tar.gz		
kubernetes-client-linux- amd64.tar.gz	7f9fc9ac07e9acbf12b58ae9077a8ce1f7fb4b5	ceccd3856b55d2beb5e435d4
kubernetes-client-linux-	8f74fff80a000cfaefa2409bdce6fd0d546008c	:7942a7178a4fa88a9b3ca05
arm.tar.gz		
kubernetes-client-linux- arm64.tar.gz	18d92b320f138f5080f98f1ffee20e405187549	ab3aad55b7f60f02e3b7f5a4
kubernetes-client-linux- ppc64le.tar.gz	fd9b15a88b3d5a506a84ebfb56de291b85978b1	.4f61a2c05f4bdb6a7e45a36
kubernetes-client-linux- s390x.tar.gz	ae3b284a78975cbfccaac04ea802085c31fd75c	ccf4ece3a983f44faf755dd
kubernetes-client-windows- 386.tar.gz	4ba83b068e7f4a203bcc5cc8bb2c456a6a9c468	se695f86f69d8f2ac81be9a1
kubernetes-client-windows- amd64.tar.gz	fc79b0e926a823c7d8b9010dee0c559587b7f97	c9290b2126d517c4272891c

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	28b2703c95894ab0565e372517c4a4b2c33d1be3d778fae384a6ab52c06cea
kubernetes-server-linux- arm.tar.gz	b36a9f602131dba23f267145399aad0b19e97ab7b5194b2e3c01c57f678d7b
kubernetes-server-linux- arm64.tar.gz	42adae077603f25b194e893f15e7f415011f25e173507a190bafbee0d0e86c
kubernetes-server-linux- ppc64le.tar.gz	7e72d4255e661e946203c1c0c684cd0923034eb112c35e3ba08fbf9d1ef5e8
kubernetes-server-linux- s390x.tar.gz	00bc634654ec7d1ec2eca7a3e943ac287395503a06c8da22b7efb3a35435ce

Node Binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	49ef6a41c65b3f26a4f3ffe63b92c8096c26aa27a89d227d935bc06a497c97
kubernetes-node-linux- arm.tar.gz	21a213fd572200998bdd71f5ebbb96576fc7a7e7cfb1469f028cc1a310bc2b
kubernetes-node-linux- arm64.tar.gz	3642ee5e7476080a44005db8e7282fdbe4e4f220622761b95951c2c15b3e10
kubernetes-node-linux- ppc64le.tar.gz	99687088be50a794894911d43827b7e1125fbc86bfba799f77c096ddaa5b23d
kubernetes-node-linux- s390x.tar.gz	73b9bc356de43fbed7d3294be747b83e0aac47051d09f1df7be52c33be670b
kubernetes-node-windows- amd64.tar.gz	2fbc80f928231f60a5a7e4f427953ef17244b3a8f6fdeebcbfceb05b0587b8

Changes

A complete changelog for the release notes is now hosted in a customizable format at relnotes.k8s.io. Check it out and please give us your feedback!

What's New (Major Themes)

Cloud Provider Labels reach General Availability

Added as a beta feature way back in v1.2, v1.17 sees the general availability of cloud provider labels.

Volume Snapshot Moves to Beta

The Kubernetes Volume Snapshot feature is now beta in Kubernetes v1.17. It was introduced as alpha in Kubernetes v1.12, with a second alpha with breaking changes in Kubernetes v1.13.

CSI Migration Beta

The Kubernetes in-tree storage plugin to Container Storage Interface (CSI) migration infrastructure is now beta in Kubernetes v1.17. CSI migration was introduced as alpha in Kubernetes v1.14.

Known Issues

- volumeDevices mapping ignored when container is privileged
- The Should recreate evicted statefulset conformance test fails because Pod ss-0 expected to be re-created at least once. This

- was caused by the Predicate PodFitsHostPorts failed scheduling error. The root cause was a host port conflict for port 21017. This port was in-use as an ephemeral port by another application running on the node. This will be looked at for the 1.18 release.
- client-go discovery clients constructed using NewDiscoveryClientForConfig or NewDiscoveryClientForConfigOrDie default to rate limits that cause normal discovery request patterns to take several seconds. This is fixed in https://issue.k8s.io/86168 and will be resolved in v1.17.1. As a workaround, the Burst value can be adjusted higher in the rest.Config passed into NewDiscoveryClientForConfig or NewDiscoveryClientForConfigOrDie.
- the IP allocator in v1.17.0 can return errors such as the cluster IP <ip> for service <service-name> is not within the service CIDR <cidr>; please recreate in the logs of the kube-apiserver. The cause is incorrect CIDR calculations if the service CIDR (--service-cluster-ip-range) is set to bits lower than /16. This is fixed in http://issue.k8s.io/86534 and will be resolved in v1.17.1.

Urgent Upgrade Notes

(No, really, you MUST read this before you upgrade)

Cluster Lifecycle

- Kubeadm: add a new kubelet-finalize phase as part of the init workflow and an experimental sub-phase to enable automatic kubelet client certificate rotation on primary control-plane nodes. Prior to 1.17 and for existing nodes created by kubeadm init where kubelet client certificate rotation is desired, you must modify /etc/kubernetes/kubelet.conf to point to the PEM symlink for rotation: client-certificate: /var/lib/kubelet/pki/kubelet-client-current.pem and client-key: /var/lib/kubelet/pki/kubelet-client-current.pem, replacing the embedded client certificate and key. (#84118, @neolit123) #### Network
- EndpointSlices: If upgrading a cluster with EndpointSlices already enabled, any EndpointSlices that should be managed by the EndpointSlice controller should have a endpointslice.kubernetes.io/managed-by label set to endpointslice-controller.k8s.io.

Scheduling

• Kubeadm: when adding extra apiserver authorization-modes, the defaults Node, RBAC are no longer prepended in the resulting static Pod manifests and a full override is allowed. (#82616, @ghouscht)

Storage

• A node that uses a CSI raw block volume needs to be drained before kubelet can be upgraded to 1.17. (#74026, @mkimuram)

Windows

- The Windows containers RunAsUsername feature is now beta.
- Windows worker nodes in a Kubernetes cluster now support Windows Server version 1903 in addition to the existing support for Windows Server 2019
- The RuntimeClass scheduler can now simplify steering Linux or Windows pods to appropriate nodes
- All Windows nodes now get the new label node.kubernetes.io/windows-build
 that reflects the Windows major, minor, and build number that are needed
 to match compatibility between Windows containers and Windows worker
 nodes.

Deprecations and Removals

- kubeadm.k8s.io/v1beta1 has been deprecated, you should update your config to use newer non-deprecated API versions. (#83276, @Klaven)
- The deprecated feature gates GCERegionalPersistentDisk, EnableAggregatedDiscoveryTimeout and PersistentLocalVolumes are now unconditionally enabled and can no longer be specified in component invocations. (#82472, @draveness)
- Deprecate the default service IP CIDR. The previous default was 10.0.0.0/24 which will be removed in 6 months/2 releases. Cluster admins must specify their own desired value, by using --service-cluster-ip-range on kube-apiserver. (#81668, @darshanime)
- Remove deprecated "include-uninitialized" flag. (#80337, @draveness)
- All resources within the rbac.authorization.k8s.io/v1alpha1 and rbac.authorization.k8s.io/v1beta1 API groups are deprecated in favor of rbac.authorization.k8s.io/v1, and will no longer be served in v1.20. (#84758, @liggitt)
- The certificate signer no longer accepts ca.key passwords via the CFSSL_CA_PK_PASSWORD environment variable. This capability was not prompted by user request, never advertised, and recommended against in the security audit. (#84677, @mikedanese)
- Deprecate the instance type beta label (beta.kubernetes.io/instance-type) in favor of its GA equivalent: node.kubernetes.io/instance-type (#82049, @andrewsykim)
- The built-in system:csi-external-provisioner and system:csi-external-attacher cluster roles are removed as of 1.17 release (#84282, @tedyu)
- The in-tree GCE PD plugin kubernetes.io/gce-pd is now deprecated and will be removed in 1.21. Users that self-deploy Kubernetes on GCP should enable CSIMigration + CSIMigrationGCE features and install the

- GCE PD CSI Driver (https://github.com/kubernetes-sigs/gcp-compute-persistent-disk-csi-driver) to avoid disruption to existing Pod and PVC objects at that time. Users should start using the GCE PD CSI CSI Driver directly for any new volumes. (#85231, @davidz627)
- The in-tree AWS EBS plugin kubernetes.io/aws-ebs is now deprecated and will be removed in 1.21. Users that self-deploy Kubernetes on AWS should enable CSIMigration + CSIMigrationAWS features and install the AWS EBS CSI Driver (https://github.com/kubernetes-sigs/aws-ebs-csi-driver) to avoid disruption to existing Pod and PVC objects at that time. Users should start using the AWS EBS CSI CSI Driver directly for any new volumes. (#85237, @leakingtapan)
- The CSINodeInfo feature gate is deprecated and will be removed in a future release. The storage.k8s.io/v1beta1 CSINode object is deprecated and will be removed in a future release. (#83474, @msau42)
- Removed Alpha feature MountContainers (#84365, @codenrhoden)
- Removed plugin watching of the deprecated directory {kubelet_root_dir}/plugins and CSI V0 support in accordance with deprecation announcement in https://v1-13.docs.kubernetes.io/docs/setup/release/notes (#84533, @davidz627)
- kubeadm deprecates the use of the hyperkube image (#85094, @rosti) ## Metrics Changes ### Added metrics
- Add scheduler_goroutines metric to track number of kube-scheduler binding and prioritizing goroutines (#83535, @wgliang)
- Adding initial EndpointSlice metrics. (#83257, @robscott)
- Adds a metric apiserver_request_error_total to kube-apiserver. This metric tallies the number of request_errors encountered by verb, group, version, resource, subresource, scope, component, and code. (#83427, @logicalhan)
- A new kubelet_preemptions metric is reported from Kubelets to track the number of preemptions occurring over time, and which resource is triggering those preemptions. (#84120, @smarterclayton)
- Kube-apiserver: Added metrics authentication_latency_seconds that can be used to understand the latency of authentication. (#82409, @RainbowMango)
- Add plugin_execution_duration_seconds metric for scheduler framework plugins. (#84522, @liu-cong)
- Add permit_wait_duration_seconds metric to the scheduler. (#84011, @liu-cong)

Deprecated/changed metrics

- etcd version monitor metrics are now marked as with the ALPHA stability level. (#83283, @RainbowMango)
- Change pod_preemption_victims metric from Gauge to Histogram. (#83603, @Tabrizian)
- Following metrics from kubelet are now marked as with the AL-

PHA stability level: kubelet_container_log_filesystem_used_bytes kubelet_volume_stats_capacity_bytes kubelet_volume_stats_available_bytes kubelet_volume_stats_inodes kubelet_volume_stats_inodes_free kubelet_volume_stats_inodes_used plugin_manager_total_plugins volume_manager_total_volumes (#84907, @RainbowMango)

- Deprecated metric rest_client_request_latency_seconds has been turned off. (#83836, @RainbowMango)
- Following metrics from kubelet are now marked as with the ALPHA stability level: node_cpu_usage_seconds_total node_memory_working_set_bytes container_cpu_usage_seconds_total container_memory_working_set_bytes scrape_error (#84987, @RainbowMango)
- Deprecated prometheus request meta-metrics have been removed http_request_duration_microseconds http_request_duration_microseconds_sum http_request_duration_microseconds_count http_request_size_bytes http_request_size_bytes_sum http_request_size_bytes_count http_requests_total, http_response_size_bytes http_response_size_bytes_sum http_response_size_bytes_count due to removal from the prometheus client library. Prometheus http request meta-metrics are now generated from promhttp.InstrumentMetricHandler instead.
- Following metrics from kube-controller-manager are now marked as with the ALPHA stability level: storage_count_attachable_volumes_in_use attachdetach_controller_total_volumes pv_collector_bound_pv_count pv_collector_unbound_pv_count pv_collector_bound_pvc_count pv_collector_unbound_pvc_count (#84896, @RainbowMango)
- Following metrics have been turned off: apiserver_request_count apiserver_request_latencies apiserver_request_latencies_summary apiserver_dropped_requests etcd_request_latencies_summary apiserver_storage_transformation_latencies_microseconds apiserver_storage_data_key_generation_latencies_microseconds apiserver_storage_transformation_failures_total (#83837, @RainbowMango)
- Following metrics have been turned off: scheduler_scheduling_latency_seconds scheduler_e2e_scheduling_latency_microseconds scheduler_scheduling_algorithm_latency_mi scheduler_scheduling_algorithm_predicate_evaluation scheduler_scheduling_algorithm_prioscheduler_scheduling_algorithm_preemption_evaluation scheduler_scheduling_binding_laten ([#83838](https://github.com/kubernetes/kubernetes/pull/83838),

 @RainbowMango)
- Deprecated metric kubeproxy_sync_proxy_rules_latency_microseconds has been turned off. (#83839, @RainbowMango)

Notable Features

Stable

- Graduate ScheduleDaemonSetPods to GA. (feature gate will be removed in 1.18) (#82795, @draveness)
- Graduate TaintNodesByCondition to GA in 1.17. (feature gate will be removed in 1.18) (#82703, @draveness)
- The WatchBookmark feature is promoted to GA. With WatchBookmark feature, clients are able to request watch events with BOOKMARK type. See https://kubernetes.io/docs/reference/using-api/api-concepts/#watchbookmarks for more details. (#83195, @wojtek-t)
- Promote NodeLease feature to GA. The feature make Lease object changes an additional healthiness signal from Node. Together with that, we reduce frequency of NodeStatus updates to 5m by default in case of no changes to status itself (#84351, @wojtek-t)
- CSI Topology feature is GA. (#83474, @msau42)
- The VolumeSubpathEnvExpansion feature is graduating to GA. The VolumeSubpathEnvExpansion feature gate is unconditionally enabled, and will be removed in v1.19. (#82578, @kevtaylor)
- Node-specific volume limits has graduated to GA. (#83568, @bertinatto)
- The ResourceQuotaScopeSelectors feature has graduated to GA. The ResourceQuotaScopeSelectors feature gate is now unconditionally enabled and will be removed in 1.18. (#82690, @draveness)

Beta

- The Kubernetes Volume Snapshot feature has been moved to beta. The VolumeSnapshotDataSource feature gate is on by default in this release. This feature enables you to take a snapshot of a volume (if supported by the CSI driver), and use the snapshot to provision a new volume, pre-populated with data from the snapshot.
- Feature gates CSIMigration to Beta (on by default) and CSIMigrationGCE to Beta (off by default since it requires installation of the GCE PD CSI Driver) (#85231, @davidz627)
- EndpointSlices are now beta but not yet enabled by default. Use the EndpointSlice feature gate to enable this feature. (#85365, @robscott)
- Promote CSIMigrationAWS to Beta (off by default since it requires installation of the AWS EBS CSI Driver) (#85237, @leakingtapan)
- Moving Windows RunAsUserName feature to beta (#84882, @marosset)

CLI Improvements

- The kubectl's api-resource command now has a --sort-by flag to sort resources by name or kind. (#81971, @laddng)
- A new --prefix flag added into kubectl logs which prepends each log line with information about it's source (pod name and container name)

(#76471, @m1kola)

API Changes

- CustomResourceDefinitions now validate documented API semantics of x-kubernetes-list-type and x-kubernetes-map-type atomic to reject non-atomic sub-types. (#84722, @sttts)
- Kube-apiserver: The AdmissionConfiguration type accepted by --admission-control-config-file has been promoted to apiserver.config.k8s.io/v1 with no schema changes. (#85098, @liggitt)
- Fixed EndpointSlice port name validation to match Endpoint port name validation (allowing port names longer than 15 characters) (#84481, @robscott)
- CustomResourceDefinitions introduce x-kubernetes-map-type annotation as a CRD API extension. Enables this particular validation for server-side apply. (#84113, @enxebre)

Other notable changes

API Machinery

- kube-apiserver: the --runtime-config flag now supports an api/beta=false value which disables all built-in REST API versions matching v[0-9]+beta[0-9]+. (#84304, @liggitt) The --feature-gates flag now supports an AllBeta=false value which disables all beta feature gates. (#84304, @liggitt)
- New flag --show-hidden-metrics-for-version in kube-apiserver can be used to show all hidden metrics that deprecated in the previous minor release. (#84292, @RainbowMango)
- kube-apiserver: Authentication configuration for mutating and validating admission webhooks referenced from an --admission-control-config-file can now be specified with apiVersion: apiserver.config.k8s.io/v1, kind: WebhookAdmissionConfiguration. (#85138, @liggitt)
- kube-apiserver: The ResourceQuota admission plugin configuration referenced from --admission-control-config-file admission config has been promoted to apiVersion: apiserver.config.k8s.io/v1, kind: ResourceQuotaConfiguration with no schema changes. (#85099, @liggitt)
- kube-apiserver: fixed a bug that could cause a goroutine leak if the apiserver encountered an encoding error serving a watch to a websocket watcher (#84693, @tedyu)
- Fix the bug that EndpointSlice for masters wasn't created after enabling EndpointSlice feature on a pre-existing cluster. (#84421, @tnqn)
- Switched intstr. Type to sized integer to follow API guidelines and improve compatibility with proto libraries (#83956, @liggitt)

- Client-go: improved allocation behavior of the delaying workqueue when handling objects with far-future ready times. (#83945, @barkbay)
- Fixed an issue with informers missing an Added event if a recently deleted object was immediately recreated at the same time the informer dropped a watch and relisted. (#83911, @matte21)
- Fixed panic when accessing CustomResources of a CRD with x-kubernetes-int-or-string. (#83787, @sttts)
- The resource version option, when passed to a list call, is now consistently interpreted as the minimum allowed resource version. Previously when listing resources that had the watch cache disabled clients could retrieve a snapshot at that exact resource version. If the client requests a resource version newer than the current state, a TimeoutError is returned suggesting the client retry in a few seconds. This behavior is now consistent for both single item retrieval and list calls, and for when the watch cache is enabled or disabled. (#72170, @ipbetz)
- Fixes a goroutine leak in kube-apiserver when a request times out. (#83333, @lavalamp)
- Fixes the bug in informer-gen that it produces incorrect code if a type has nonNamespaced tag set. (#80458, @tatsuhiro-t)
- Resolves bottleneck in internal API server communication that can cause increased goroutines and degrade API Server performance (#80465, @answer1991)
- Resolves regression generating informers for packages whose names contain . characters (#82410, @nikhita)
- Resolves issue with /readyz and /livez not including etcd and kms health checks (#82713, @logicalhan)
- Fixes regression in logging spurious stack traces when proxied connections are closed by the backend (#82588, @liggitt)
- Kube-apiserver now reloads serving certificates from disk every minute to allow rotation without restarting the server process (#84200, @jackkleeman)
- Client-ca bundles for the all generic-apiserver based servers will dynamically reload from disk on content changes (#83579, @deads2k)
- Client-go: Clients can request protobuf and json and correctly negotiate with the server for JSON for CRD objects, allowing all client libraries to request protobuf if it is available. If an error occurs negotiating a watch with the server, the error is immediately return by the client Watch() method instead of being sent as an Error event on the watch stream. (#84692, @smarterclayton) Renamed FeatureGate RequestManagement to APIPriorityAndFairness. This feature gate is an alpha and has not yet been associated with any actual functionality. (#85260, @MikeSpreitzer)
- Filter published OpenAPI schema by making nullable, required fields non-required in order to avoid kubectl to wrongly reject null values. (#85722, @sttts)
- kube-apiserver: fixed a conflict error encountered attempting to delete a pod with gracePeriodSeconds=0 and a resourceVersion precondition

- (#85516, @michaelgugino)
- Use context to check client closed instead of http.CloseNotifier in processing watch request which will reduce 1 goroutine for each request if proto is HTTP/2.x . (#85408, @answer1991)
- Reload apiserver SNI certificates from disk every minute (#84303, @jack-kleeman)
- The mutating and validating admission webhook plugins now read configuration from the admissionregistration.k8s.io/v1 API. (#80883, @liggitt)
- kube-proxy: a configuration file specified via --config is now loaded with strict deserialization, which fails if the config file contains duplicate or unknown fields. This protects against accidentally running with config files that are malformed, mis-indented, or have typos in field names, and getting unexpected behavior. (#82927, @obitech)
- When registering with a 1.17+ API server, MutatingWebhookConfiguration and ValidatingWebhookConfiguration objects can now request that only v1 AdmissionReview requests be sent to them. Previously, webhooks were required to support receiving v1beta1 AdmissionReview requests as well for compatibility with API servers <= 1.15.
 - When registering with a 1.17+ API server, a CustomResourceDefinition conversion webhook can now request that only v1 ConversionReview requests be sent to them. Previously, conversion webhooks were required to support receiving v1beta1 ConversionReview requests as well for compatibility with API servers <= 1.15. (#82707, @liggitt)</p>
- OpenAPI v3 format in CustomResourceDefinition schemas are now documented. (#85381, @sttts)
- kube-apiserver: Fixed a regression accepting patch requests > 1MB (#84963, @liggitt)
- The example API server has renamed its wardle.k8s.io API group to wardle.example.com (#81670, @liggitt)
- CRDs defaulting is promoted to GA. Note: the feature gate CustomResourceDefaulting will be removed in 1.18. (#84713, @sttts)
- Restores compatibility with <=1.15.x custom resources by not publishing OpenAPI for non-structural custom resource definitions (#82653, @liggitt)
- If given an IPv6 bind-address, kube-apiserver will now advertise an IPv6 endpoint for the kubernetes.default service. (#84727, @danwinship)
- Add table convertor to component status. (#85174, @zhouya0)
- Scale custom resource unconditionally if resource Version is not provided $(\#80572,\,@knight42)$
- When the go-client reflector relists, the ResourceVersion list option is set to the reflector's latest synced resource version to ensure the reflector does not "go back in time" and reprocess events older than it has already processed. If the server responds with an HTTP 410 (Gone) status code response, the relist falls back to using resourceVersion="". (#83520, @jpbetz)
- Fix unsafe JSON construction in a number of locations in the codebase (#81158, @zouvee)
- Fixes a flaw (CVE-2019-11253) in json/yaml decoding where large or

- malformed documents could consume excessive server resources. Request bodies for normal API requests (create/delete/update/patch operations of regular resources) are now limited to 3MB. (#83261, @liggitt)
- CRDs can have fields named type with value array and nested array with items fields without validation to fall over this. (#85223, @sttts)

Apps

- Support Service Topology (#72046, @m1093782566)
- Finalizer Protection for Service LoadBalancers is now in GA (enabled by default). This feature ensures the Service resource is not fully deleted until the correlating load balancer resources are deleted. (#85023, @MrHohn)
- Pod process namespace sharing is now Generally Available. The PodShareProcessNamespace feature gate is now deprecated and will be removed in Kubernetes 1.19. (#84356, @verb)
- Fix handling tombstones in pod-disruption-budged controller. (#83951, @zouyee)
- Fixed the bug that deleted services were processed by EndpointSliceController repeatedly even their cleanup were successful. (#82996, @tnqn)
- Add RequiresExactMatch for label.Selector (#85048, @shaloulcy)
- Adds a new label to indicate what is managing an EndpointSlice. (#83965, @robscott)
- Fix handling tombstones in pod-disruption-budged controller. (#83951, @zouvee)
- Fixed the bug that deleted services were processed by EndpointSliceController repeatedly even their cleanup were successful. (#82996, @tnqn)
- An end-user may choose to request logs without confirming the identity of the backing kubelet. This feature can be disabled by setting the AllowInsecureBackendProxy feature-gate to false. (#83419, @deads2k)
- When scaling down a ReplicaSet, delete doubled up replicas first, where a "doubled up replica" is defined as one that is on the same node as an active replica belonging to a related ReplicaSet. ReplicaSets are considered "related" if they have a common controller (typically a Deployment). (#80004, @Miciah)
- Kube-controller-manager: Fixes bug setting headless service labels on endpoints (#85361, @liggitt)
- People can see the right log and note. (#84637, @zhipengzuo)
- Clean duplicate GetPodServiceMemberships function (#83902, @gongguan)

Auth

- K8s docker config js on secrets are now compatible with docker config desktop authentication credentials files $(\#82148,\,@bbourbie)$
- Kubelet and aggregated API servers now use v1 TokenReview and SubjectAccessReview endpoints to check authentication/authorization. (#84768,

@liggitt)

- Kube-apiserver can now specify --authentication-token-webhook-version=v1 or --authorization-webhook-version=v1 to use v1 TokenReview and SubjectAccessReview API objects when communicating with authentication and authorization webhooks. (#84768, @liggitt)
- Authentication token cache size is increased (from 4k to 32k) to support clusters with many nodes or many namespaces with active service accounts. (#83643, @lavalamp)
- Apiservers based on k8s.io/apiserver with delegated authn based on cluster authentication will automatically update to new authentication information when the authoritative configmap is updated. (#85004, @deads2k)
- Configmaps/extension-apiserver-authentication in kube-system is continuously updated by kube-apiservers, instead of just at apiserver start (#82705, @deads2k)

CLI

- Fixed kubectl endpointslice output for get requests (#82603, @robscott)
- Gives the right error message when using kubectl delete a wrong resource. (#83825, @zhouya0)
- If a bad flag is supplied to a kubectl command, only a tip to run --help is printed, instead of the usage menu. Usage menu is printed upon running kubectl command --help. (#82423, @sallyom)
- Commands like kubectl apply now return errors if schema-invalid annotations are specified, rather than silently dropping the entire annotations section. (#83552, @liggitt)
- Fixes spurious 0 revisions listed when running kubectl rollout history for a StatefulSet (#82643, @ZP-AlwaysWin)
- Correct a reference to a not/no longer used kustomize subcommand in the documentation (#82535, @demobox)
- Kubectl set resources will no longer return an error if passed an empty change for a resource. kubectl set subject will no longer return an error if passed an empty change for a resource. (#85490, @sallyom)
- Kubectl: -resource-version now works properly in label/annotate/set selector commands when racing with other clients to update the target object (#85285, @liggitt)
- The --certificate-authority flag now correctly overrides existing skip-TLS or CA data settings in the kubeconfig file (#83547, @liggitt) ### Cloud Provider
- Azure: update disk lock logic per vm during attach/detach to allow concurrent updates for different nodes. (#85115, @aramase)

- Fix vmss dirty cache issue in disk attach/detach on vmss node (#85158, @andyzhangx)
- Fix race condition when attach/delete azure disk in same time (#84917, @andyzhangx)
- Change GCP ILB firewall names to contain the k8s-fw- prefix like the rest of the firewall rules. This is needed for consistency and also for other components to identify the firewall rule as k8s/service-controller managed. (#84622, @prameshj)
- Ensure health probes are created for local traffic policy UDP services on Azure (#84802, @feiskyer)
- Openstack: Do not delete managed LB in case of security group reconciliation errors (#82264, @multi-io)
- Fix aggressive VM calls for Azure VMSS (#83102, @feiskyer)
- Fix: azure disk detach failure if node not exists (#82640, @andyzhangx)
- Add azure disk encryption(SSE+CMK) support (#84605, @andyzhangx)
- Update Azure SDK versions to v35.0.0 (#84543, @andyzhangx)
- Azure: Add allow unsafe read from cache (#83685, @aramase)
- Reduces the number of calls made to the Azure API when requesting the instance view of a virtual machine scale set node. (#82496, @hasheddan)
- Added cloud operation count metrics to azure cloud controller manager. (#82574, @kkmsft)
- On AWS nodes with multiple network interfaces, kubelet should now more reliably report the same primary node IP. (#80747, @danwinship)
- Update Azure load balancer to prevent or phaned public IP addresses (#82890, @chewong) ### Cluster Lifecycle
- Kubeadm alpha certs command now skip missing files (#85092, @fabriziopandini)
- Kubeadm: the command "kubeadm token create" now has a "-certificate-key" flag that can be used for the formation of join commands for control-planes with automatic copy of certificates (#84591, @TheLastProject)
- Kubeadm: Fix a bug where kubeadm cannot parse kubelet's version if the latter dumps logs on the standard error. (#85351, @rosti)
- Kubeadm: added retry to all the calls to the etcd API so kubeadm will be more resilient to network glitches (#85201, @fabriziopandini)
- Fixes a bug in kubeadm that caused init and join to hang indefinitely in specific conditions. (#85156, @chuckha)

- Kubeadm now includes CoreDNS version 1.6.5
 - kubernetes plugin adds metrics to measure kubernetes control plane latency.
 - the health plugin now includes the lameduck option by default, which waits for a duration before shutting down. (#85109, @rajansandeep)
- Fixed bug when using kubeadm alpha certs commands with clusters using external etcd (#85091, @fabriziopandini)
- Kubeadm no longer defaults or validates the component configs of the kubelet or kube-proxy (#79223, @rosti)
- Kubeadm: remove the deprecated --cri-socket flag for kubeadm upgrade apply. The flag has been deprecated since v1.14. (#85044, @neolit123)
- Kubeadm: prevent potential hanging of commands such as "kubeadm reset" if the apiserver endpoint is not reachable. (#84648, @neolit123)
- Kubeadm: fix skipped etcd upgrade on secondary control-plane nodes when the command kubeadm upgrade node is used. (#85024, @neolit123)
- Kubeadm: fix an issue with the kube-proxy container env. variables (#84888, @neolit123)
- Kubeadm: always mount the kube-controller-manager hostPath volume that is given by the --flex-volume-plugin-dir flag. (#84468, @neolit123)
- Update Cluster Autoscaler version to 1.16.2 (CA release docs: https://github.com/kubernetes/autoscaler/releases/tag/cluster-autoscaler-1.16.2) (#84038, @losipiuk)
- Kubeadm no longer removes /etc/cni/net.d as it does not install it. Users should remove files from it manually or rely on the component that created them (#83950, @yastij)
- Kubeadm: fix wrong default value for the upgrade node --certificate-renewal flag. (#83528, @neolit123)
- Bump metrics-server to v0.3.5 (#83015, @olagacek)
- Dashboard: disable the dashboard Deployment on non-Linux nodes. This step is required to support Windows worker nodes. (#82975, @wawa0210)
- Fixes a panic in kube-controller-manager cleaning up bootstrap tokens (#82887, @tedyu)

- Kubeadm: add a new kubelet-finalize phase as part of the init workflow and an experimental sub-phase to enable automatic kubelet client certificate rotation on primary control-plane nodes.
 - Prior to 1.17 and for existing nodes created by kubeadm init where kubelet client certificate rotation is desired, you must modify "/etc/kubernetes/kubelet.conf" to point to the PEM symlink for rotation: client-certificate: /var/lib/kubelet/pki/kubelet-client-current.pem and client-key: /var/lib/kubelet/pki/kubelet-client-current.pem, replacing the embedded client certificate and key. (#84118, @neolit123)
- Kubeadm: add a upgrade health check that deploys a Job (#81319, @neolit123)
- Kubeadm now supports automatic calculations of dual-stack node cidr masks to kube-controller-manager. (#85609, @Arvinderpal)
- Kubeadm: enable the usage of the secure kube-scheduler and kube-controller-manager ports for health checks. For kube-scheduler was 10251, becomes 10259. For kube-controller-manager was 10252, becomes 10257. (#85043, @neolit123)
- A new kubelet command line option, --reserved-cpus, is introduced to explicitly define the CPU list that will be reserved for system. For example, if --reserved-cpus=0,1,2,3 is specified, then cpu 0,1,2,3 will be reserved for the system. On a system with 24 CPUs, the user may specify isolcpus=4-23 for the kernel option and use CPU 4-23 for the user containers. (#83592, @jianzzha)
- Kubelet: a configuration file specified via --config is now loaded with strict descrialization, which fails if the config file contains duplicate or unknown fields. This protects against accidentally running with config files that are malformed, mis-indented, or have typos in field names, and getting unexpected behavior. (#83204, @obitech)
- Kubeadm now propagates proxy environment variables to kube-proxy (#84559, @yastij)
- Update the latest validated version of Docker to 19.03 (#84476, @neolit123)
- Update to Ingress-GCE v1.6.1 (#84018, @rramkumar1)
- Kubeadm: enhance certs check-expiration to show the expiration info of related CAs (#83932, @SataQiu)
- Kubeadm: implemented structured output of 'kubeadm token list' in JSON, YAML, Go template and JsonPath formats (#78764, @bart0sh)

- Kubeadm: add support for 127.0.0.1 as advertise address. kubeadm will automatically replace this value with matching global unicast IP address on the loopback interface. (#83475, @fabriziopandini)
- Kube-scheduler: a configuration file specified via --config is now loaded with strict deserialization, which fails if the config file contains duplicate or unknown fields. This protects against accidentally running with config files that are malformed, mis-indented, or have typos in field names, and getting unexpected behavior. (#83030, @obitech)
- Kubeadm: use the --service-cluster-ip-range flag to init or use the ServiceSubnet field in the kubeadm config to pass a comma separated list of Service CIDRs. (#82473, @Arvinderpal)
- Update crictl to v1.16.1. (#82856, @Random-Liu)
- Bump addon-resizer to 1.8.7 to fix issues with using deprecated extensions APIs (#85864, @liggitt)
- Simple script based hyperkube image that bundles all the necessary binaries. This is an equivalent replacement for the image based on the go based hyperkube command + image. (#84662, @dims)
- Hyperkube will now be available in a new Github repository and will not be included in the kubernetes release from 1.17 onwards (#83454, @dims)
- Remove prometheus cluster monitoring addon from kube-up (#83442, @serathius)
- SourcesReady provides the readiness of kubelet configuration sources such as apiserver update readiness. (#81344, @zouyee)
- This PR sets the -cluster-dns flag value to kube-dns service IP whether or not NodeLocal DNSCache is enabled. NodeLocal DNSCache will listen on both the link-local as well as the service IP. (#84383, @prameshj)
- kube-dns add-on:
 - All containers are now being executed under more restrictive privileges.
 - Most of the containers now run as non-root user and has the root filesystem set as read-only.
 - The remaining container running as root only has the minimum Linux capabilities it requires to run.
 - Privilege escalation has been disabled for all containers. (#82347, @pjbgf)
- Kubernetes no longer monitors firewalld. On systems using firewalld for firewall maintenance, kube-proxy will take slightly longer to recover from disruptive firewalld operations that delete kube-proxy's iptables rules.

As a side effect of these changes, kube-proxy's sync_proxy_rules_last_timestamp_seconds metric no longer behaves the way it used to; now it will only

change when services or endpoints actually change, rather than reliably updating every 60 seconds (or whatever). If you are trying to monitor for whether iptables updates are failing, the sync_proxy_rules_iptables_restore_failures_total metric may be more useful. (#81517, @danwinship) ### Instrumentation

- Bump version of event-exporter to 0.3.1, to switch it to protobuf. (#83396, @loburm)
- Bumps metrics-server version to v0.3.6 with following bugfix:
 - Don't break metric storage when duplicate pod metrics encountered causing hpa to fail (#83907, @olagacek)
- addons: elasticsearch discovery supports IPv6 (#85543, @SataQiu)
- Update Cluster Autoscaler to 1.17.0; changelog: https://github.com/kubernetes/autoscaler/releases/tag/clusterscaler-1.17.0 (#85610, @losipiuk) ### Network
- The official kube-proxy image (used by kubeadm, among other things) is now compatible with systems running iptables 1.8 in "nft" mode, and will autodetect which mode it should use. (#82966, @danwinship)
- Kubenet: added HostPort IPv6 support. HostPortManager: operates only with one IP family, failing if receives port mapping entries with different IP families. HostPortSyncer: operates only with one IP family, skipping portmap entries with different IP families (#80854, @aojea)
- Kube-proxy now supports DualStack feature with EndpointSlices and IPVS. (#85246, @robscott)
- Remove redundant API validation when using Service Topology with externalTrafficPolicy=Local (#85346, @andrewsykim)
- Update github.com/vishvananda/netlink to v1.0.0 (#83576, @andrewsykim)
- -- kube-controller-manager --node-cidr-mask-size-ipv4 int32
 Default: 24. Mask size for IPv4 node-cidr in dual-stack cluster.
 --node-cidr-mask-size-ipv6 int32 Default: 64. Mask size for IPv6 node-cidr in dual-stack cluster.

These 2 flags can be used only for dual-stack clusters. For non dual-stack clusters, continue to use --node-cidr-mask-size flag to configure the mask size.

The default node cidr mask size for IPv6 was 24 which is now changed to 64. (#79993, @aramase)

- deprecate cleanup-ipvs flag (#83832, @gongguan)
- Kube-proxy: emits a warning when a malformed component config file is used with v1alpha1. (#84143, @phenixblue)

- Set config.BindAddress to IPv4 address 127.0.0.1 if not specified (#83822, @zouyee)
- Updated kube-proxy ipvs README with correct grep argument to list loaded ipvs modules (#83677, @pete911)
- The userspace mode of kube-proxy no longer confusingly logs messages about deleting endpoints that it is actually adding. (#83644, @danwinship)
- Kube-proxy iptables probabilities are now more granular and will result in better distribution beyond 319 endpoints. (#83599, @robscott)
- Significant kube-proxy performance improvements for non UDP ports. (#83208, @robscott)
- Improved performance of kube-proxy with EndpointSlice enabled with more efficient sorting. (#83035, @robscott)
- EndpointSlices are now beta for better Network Endpoint performance at scale. (#84390, @robscott)
- Updated EndpointSlices to use PublishNotReadyAddresses from Services. (#84573, @robscott)
- When upgrading to 1.17 with a cluster with EndpointSlices enabled, the endpointslice.kubernetes.io/managed-by label needs to be set on each EndpointSlice. (#85359, @robscott)
- Adds FQDN addressType support for EndpointSlice. (#84091, @robscott)
- Fix incorrect network policy description suggesting that pods are isolated when a network policy has no rules of a given type (#84194, @jackkleeman)
- Fix bug where EndpointSlice controller would attempt to modify shared objects. (#85368, @robscott)
- Splitting IP address type into IPv4 and IPv6 for EndpointSlices (#84971, @robscott)
- Added appProtocol field to EndpointSlice Port (#83815, @howardjohn)
- The docker container runtime now enforces a 220 second timeout on container network operations. (#71653, @liucimin)
- Fix panic in kubelet when running IPv4/IPv6 dual-stack mode with a CNI plugin (#82508, @aanm)
- EndpointSlice hostname is now set in the same conditions Endpoints hostname is. (#84207, @robscott)
- Improving the performance of Endpoint and EndpointSlice controllers by caching Service Selectors (#84280, @gongguan)
- Significant kube-proxy performance improvements when using Endpoint Slices at scale. (#83206, @robscott)

Node

- Mirror pods now include an ownerReference for the node that created them. (#84485, @tallclair)
- Fixed a bug in the single-numa-policy of the TopologyManager. Previously, best-effort pods would result in a terminated state with a TopologyAffinity error. Now they will run as expected. (#83777, @lmdaly)
- Fixed a bug in the single-numa-node policy of the TopologyManager. Previously, pods that only requested CPU resources and did not request any third-party devices would fail to launch with a TopologyAffinity error. Now they will launch successfully. (#83697, @klueska)
- Fix error where metrics related to dynamic kubelet config isn't registered (#83184, @odinuge)
- If container fails because ContainerCannotRun, do not utilize the Fallback-ToLogsOnError TerminationMessagePolicy, as it masks more useful logs. (#81280, @yqwang-ms)
- Use online nodes instead of possible nodes when discovering available NUMA nodes (#83196, @zouyee)
- Use IPv4 in wincat port forward. (#83036, @liyanhui1228)
- Single static pod files and pod files from http endpoints cannot be larger than 10 MB. HTTP probe payloads are now truncated to 10KB. (#82669, @rphillips)
- Limit the body length of exec readiness/liveness probes. remote CRIs and Docker shim read a max of 16MB output of which the exec probe itself inspects 10kb. (#82514, @dims)
- Kubelet: Added kubelet serving certificate metric server_rotation_seconds which is a histogram reporting the age of a just rotated serving certificate in seconds. (#84534, @sambdavidson)
- Reduce default NodeStatusReportFrequency to 5 minutes. With this change, periodic node status updates will be send every 5m if node status doesn't change (otherwise they are still send with 10s).
 - Bump NodeProblemDetector version to v0.8.0 to reduce forced NodeStatus updates frequency to 5 minutes. (#84007, @wojtek-t)
- The topology manager aligns resources for pods of all QoS classes with respect to NUMA locality, not just Guaranteed QoS pods. (#83492, @ConnorDoyle)
- Fix a bug that a node Lease object may have been created without OwnerReference. (#84998, @wojtek-t)

- External facing APIs in plugin registration and device plugin packages are now available under k8s.io/kubelet/pkg/apis/ (#83551, @dims) ### Release
- Added the crictl Windows binaries as well as the Linux 32bit binary to the release archives (#83944, @saschagrunert)
- Bumps the minimum version of Go required for building Kubernetes to 1.12.4. (#83596, @jktomer)
- The deprecated mondo kubernetes-test tarball is no longer built. Users running Kubernetes e2e tests should use the kubernetes-test-portable and kubernetes-test-{OS}-{ARCH} tarballs instead. (#83093, @ixdy)

Scheduling

- Only validate duplication of the RequestedToCapacityRatio custom priority and allow other custom predicates/priorities (#84646, @liu-cong)
- Scheduler policy configs can no longer be declared multiple times (#83963, @damemi)
- TaintNodesByCondition was graduated to GA, CheckNodeMemoryPressure, CheckNodePIDPressure, CheckNodeDiskPressure, CheckNodeCondition were accidentally removed since 1.12, the replacement is to use CheckNodeUnschedulablePred (#84152, @draveness)
- [migration phase 1] PodFitsHostPorts as filter plugin (#83659, @wgliang)
- [migration phase 1] PodFitsResources as framework plugin (#83650, @wgliang)
- [migration phase 1] PodMatchNodeSelector/NodAffinity as filter plugin (#83660, @wgliang)
- Add more tracing steps in generic_scheduler (#83539, @wgliang)
- [migration phase 1] PodFitsHost as filter plugin (#83662, @wgliang)
- Fixed a scheduler panic when using PodAffinity. (#82841, @Huang-Wei)
- Take the context as the first argument of Schedule. (#82119, @wgliang)
- Fixed an issue that the correct PluginConfig.Args is not passed to the corresponding PluginFactory in kube-scheduler when multiple PluginConfig items are defined. (#82483, @everpeace)
- Profiling is enabled by default in the scheduler (#84835, @denkensk)
- Scheduler now reports metrics on cache size including nodes, pods, and assumed pods (#83508, @damemi)
- User can now use component config to configure NodeLabel plugin for the scheduler framework. (#84297, @liu-cong)
- Optimize inter-pod affinity preferredDuringSchedulingIgnoredDuringExecution type, up to 4x in some cases. (#84264, @ahg-g)
- Filter plugin for cloud provider storage predicate (#84148, @gongguan)
- Refactor scheduler's framework permit API. (#83756, @hex108)
- Add incoming pods metrics to scheduler queue. (#83577, @liu-cong)
- Allow dynamically set glog logging level of kube-scheduler (#83910,

- @mrkm4ntr)
- Add latency and request count metrics for scheduler framework. (#83569, @liu-cong)
- Expose SharedInformerFactory in the framework handle (#83663, @draveness)
- Add per-pod scheduling metrics across 1 or more schedule attempts. (#83674, @liu-cong)
- Add podInitialBackoffDurationSeconds and podMaxBackoffDurationSeconds to the scheduler config API (#81263, @draveness)
- Expose kubernetes client in the scheduling framework handle. (#82432, @draveness)
- Remove MaxPriority in the scheduler API, please use MaxNodeScore or MaxExtenderPriority instead. (#83386, @draveness)
- Consolidate ScoreWithNormalizePlugin into the ScorePlugin interface (#83042, @draveness)
- New APIs to allow adding/removing pods from pre-calculated prefilter state in the scheduling framework (#82912, @ahg-g)
- Added Clone method to the scheduling framework's PluginContext and ContextData. (#82951, @ahg-g)
- Modified the scheduling framework's Filter API. (#82842, @ahg-g)
- Critical pods can now be created in namespaces other than kube-system. To limit critical pods to the kube-system namespace, cluster admins should create an admission configuration file limiting critical pods by default, and a matching quota object in the kube-system namespace permitting critical pods in that namespace. See https://kubernetes.io/docs/concepts/policy/resource-quotas/#limit-priority-class-consumption-by-default for details. (#76310, @ravisantoshgudimetla)
- Scheduler ComponentConfig fields are now pointers (#83619, @damemi)
- Scheduler Policy API has a new recommended apiVersion apiVersion: kubescheduler.config.k8s.io/v1 which is consistent with the scheduler API group kubescheduler.config.k8s.io. It holds the same API as the old apiVersion apiVersion: v1. (#83578, @Huang-Wei)
- Rename PluginContext to CycleState in the scheduling framework (#83430, @draveness)
- Some scheduler extender API fields are moved from pkg/scheduler/api to pkg/scheduler/apis/extender/v1. (#83262, @Huang-Wei)
- Kube-scheduler: emits a warning when a malformed component config file is used with v1alpha1. (#84129, @obitech)
- Kube-scheduler now falls back to emitting events using core/v1 Events when events.k8s.io/v1beta1 is disabled. (#83692, @yastij)
- Expand scheduler priority functions and scheduling framework plugins' node score range to [0, 100]. Note: this change is internal and does not affect extender and RequestedToCapacityRatio custom priority, which are still expected to provide a [0, 10] range. (#83522, @draveness)

Storage

- Bump CSI version to 1.2.0 (#84832, @gnufied)
- CSI Migration: Fixes issue where all volumes with the same inline volume inner spec name were staged in the same path. Migrated inline volumes are now staged at a unique path per unique volume. (#84754, @davidz627)
- CSI Migration: GCE PD access mode now reflects read only status of inline volumes this allows multi-attach for read only many PDs (#84809, @davidz627)
- CSI detach timeout increased from 10 seconds to 2 minutes (#84321, @cduchesne)
- Ceph RBD volume plugin now does not use any keyring (/etc/ceph/ceph.client.lvs01cinder.keyring, /etc/ceph/keyring, /etc/ceph/keyring.bin)
 for authentication. Ceph user credentials must be provided in PersistentVolume objects and referred Secrets. (#75588, @smileusd)
- Validate Gluster IP (#83104, @zouyee)
- PersistentVolumeLabel admission plugin, responsible for labeling PersistentVolumes with topology labels, now does not overwrite existing labels on PVs that were dynamically provisioned. It trusts the dynamic provisioning that it provided the correct labels to the PersistentVolume, saving one potentially expensive cloud API call. PersistentVolumes created manually by users are labelled by the admission plugin in the same way as before. (#82830, @jsafrane)
- Existing PVs are converted to use volume topology if migration is enabled. (#83394, @bertinatto)
- local: support local file system volume with block resource reconstruction (#84218, @cofyc)
- Fixed binding of block PersistentVolumes / PersistentVolumeClaims when BlockVolume feature is off. (#84049, @jsafrane)
- Report non-confusing error for negative storage size in PVC spec. (#82759, @sttts)
- Fixed "requested device X but found Y" attach error on AWS. (#85675, @jsafrane)
- Reduced frequency of Describe Volumes calls of AWS API when attaching/detaching a volume. $(\#84181,\,@jsafrane)$
- Fixed attachment of AWS volumes that have just been detached. (#83567, @jsafrane)
- Fix possible fd leak and closing of dirs when using openstack (#82873, @odinuge)

- local: support local volume block mode reconstruction (#84173, @cofyc)
- Fixed cleanup of raw block devices after kubelet restart. (#83451, @jsafrane)
- Add data cache flushing during unmount device for GCE-PD driver in Windows Server. (#83591, @jingxu97) ### Windows
- Adds Windows Server build information as a label on the node. (#84472, @gab-satchi)
- Fixes kube-proxy bug accessing self nodeip:port on windows (#83027, @liggitt)
- When using Containerd on Windows, the TerminationMessagePath file will now be mounted in the Windows Pod. (#83057, @bclau)
- Fix kubelet metrics gathering on non-English Windows hosts (#84156, @wawa0210)

Dependencies

- Update etcd client side to v3.4.3 (#83987, @wenjiaswe)
- Kubernetes now requires go1.13.4+ to build (#82809, @liggitt)
- Update to use go1.12.12 (#84064, @cblecker)
- Update to go 1.12.10 (#83139, @cblecker)
- Update default etcd server version to 3.4.3 (#84329, @jingyih)

Detailed go Dependency Changes

Added

- github.com/OpenPeeDeeP/depguard: v1.0.1
- github.com/StackExchange/wmi: 5d04971
- github.com/agnivade/levenshtein: v1.0.1
- github.com/alecthomas/template: a0175ee
- github.com/alecthomas/units: 2efee85
- github.com/andreyvit/diff: c7f18ee
- github.com/anmitsu/go-shlex: 648efa6
- github.com/bazelbuild/rules_go: 6dae44d
- github.com/bgentry/speakeasy: v0.1.0
- github.com/bradfitz/go-smtpd: deb6d62
- github.com/cockroachdb/datadriven: 80d97fb
- github.com/creack/pty: v1.1.7
- github.com/gliderlabs/ssh: v0.1.1
- github.com/go-critic/go-critic: 1df3008
- github.com/go-kit/kit: v0.8.0
- github.com/go-lintpack/lintpack: v0.5.2
- github.com/go-logfmt/logfmt: v0.3.0
- github.com/go-ole/go-ole: v1.2.1

- github.com/go-stack/stack: v1.8.0
- github.com/go-toolsmith/astcast: v1.0.0
- github.com/go-toolsmith/astcopy: v1.0.0
- github.com/go-toolsmith/astequal: v1.0.0
- github.com/go-toolsmith/astfmt: v1.0.0
- github.com/go-toolsmith/astinfo: 9809ff7
- github.com/go-toolsmith/astp: v1.0.0
- github.com/go-toolsmith/pkgload: v1.0.0
- github.com/go-toolsmith/strparse: v1.0.0
- github.com/go-toolsmith/typep: v1.0.0
- github.com/gobwas/glob: v0.2.3
- github.com/golangci/check: cfe4005
- github.com/golangci/dupl: 3e9179a
- github.com/golangci/errcheck: ef45e06
- github.com/golangci/go-misc: 927a3d8
- github.com/golangci/go-tools: e32c541
- github.com/golangci/goconst: 041c5f2
- github.com/golangci/gocyclo: 2becd97
- github.com/golangci/gofmt: 0b8337e
- github.com/golangci/golangci-lint: v1.18.0
- github.com/golangci/gosec: 66fb7fc
- github.com/golangci/ineffassign: 42439a7
- github.com/golangci/lint-1: ee948d0
- github.com/golangci/maligned: b1d8939
- github.com/golangci/misspell: 950f5d1
- github.com/golangci/prealloc: 215b22d
- github.com/golangci/revgrep: d9c87f5
- github.com/golangci/unconvert: 28b1c44
- github.com/google/go-github: v17.0.0+incompatible
- github.com/google/go-querystring: v1.0.0
- github.com/gostaticanalysis/analysisutil: v0.0.3
- github.com/jellevandenhooff/dkim: f50fe3d
- github.com/julienschmidt/httprouter: v1.2.0
- github.com/klauspost/compress: v1.4.1
- github.com/kr/logfmt: b84e30a
- github.com/logrusorgru/aurora: a7b3b31
- github.com/mattn/go-runewidth: v0.0.2
- github.com/mattn/goveralls: v0.0.2
- github.com/mitchellh/go-ps: 4fdf99a
- github.com/mozilla/tls-observatory: 8791a20
- github.com/mwitkow/go-conntrack: cc309e4
- github.com/nbutton23/zxcvbn-go: eafdab6
- github.com/olekukonko/tablewriter: a0225b3
- github.com/quasilyte/go-consistent: c6f3937
- github.com/rogpeppe/fastuuid: 6724a57
- github.com/ryanuber/go-glob: 256dc44

- github.com/sergi/go-diff: v1.0.0
- github.com/shirou/gopsutil: c95755e
- github.com/shirou/w32: bb4de01
- github.com/shurcooL/go-goon: 37c2f52
- github.com/shurcooL/go: 9e1955d
- github.com/sourcegraph/go-diff: v0.5.1
- github.com/tarm/serial: 98f6abe
- github.com/tidwall/pretty: v1.0.0
- github.com/timakin/bodyclose: 87058b9
- github.com/ultraware/funlen: v0.0.2
- github.com/urfave/cli: v1.20.0
- github.com/valyala/bytebufferpool: v1.0.0
- github.com/valyala/fasthttp: v1.2.0
- github.com/valyala/quicktemplate: v1.1.1
- github.com/valyala/tcplisten: ceec8f9
- github.com/vektah/gqlparser: v1.1.2
- go.etcd.io/etcd: 3cf2f69
- go.mongodb.org/mongo-driver: v1.1.2
- go4.org: 417644f
- golang.org/x/build: 2835ba2
- golang.org/x/perf: 6e6d33e
- golang.org/x/xerrors: a985d34
- gopkg.in/alecthomas/kingpin.v2: v2.2.6
- gopkg.in/cheggaaa/pb.v1: v1.0.25
- gopkg.in/resty.v1: v1.12.0
- grpc.go4.org: 11d0a25
- k8s.io/system-validators: v1.0.4
- mvdan.cc/interfacer: c200402
- mvdan.cc/lint: adc824a
- mvdan.cc/unparam: fbb5962
- sourcegraph.com/sqs/pbtypes: d3ebe8f

Changed

- github.com/Azure/azure-sdk-for-go: v32.5.0+incompatible \rightarrow v35.0.0+incompatible
- github.com/Microsoft/go-winio: $v0.4.11 \rightarrow v0.4.14$
- github.com/bazelbuild/bazel-gazelle: $c728ce9 \rightarrow 70208cb$
- github.com/bazelbuild/buildtools: $80c7f0d \rightarrow 69366ca$
- github.com/beorn7/perks: $3a771d9 \rightarrow v1.0.0$
- github.com/container-storage-interface/spec: $v1.1.0 \rightarrow v1.2.0$
- github.com/coredns/corefile-migration: $v1.0.2 \rightarrow v1.0.4$
- github.com/coreos/etcd: $v3.3.17+incompatible \rightarrow v3.3.10+incompatible$
- github.com/coreos/go-systemd: $39ca1b0 \rightarrow 95778df$
- github.com/docker/go-units: $v0.3.3 \rightarrow v0.4.0$
- github.com/docker/libnetwork: $a9cd636 \rightarrow f0e46a7$
- github.com/fatih/color: $v1.6.0 \rightarrow v1.7.0$

- github.com/ghodss/yaml: $c7ce166 \rightarrow v1.0.0$
- github.com/go-openapi/analysis: $v0.19.2 \rightarrow v0.19.5$
- github.com/go-openapi/jsonpointer: $v0.19.2 \rightarrow v0.19.3$
- github.com/go-openapi/jsonreference: $v0.19.2 \rightarrow v0.19.3$
- github.com/go-openapi/loads: $v0.19.2 \rightarrow v0.19.4$
- github.com/go-openapi/runtime: $v0.19.0 \rightarrow v0.19.4$
- github.com/go-openapi/spec: $v0.19.2 \rightarrow v0.19.3$
- github.com/go-openapi/strfmt: $v0.19.0 \rightarrow v0.19.3$
- github.com/go-openapi/swag: $v0.19.2 \rightarrow v0.19.5$
- github.com/go-openapi/validate: $v0.19.2 \rightarrow v0.19.5$
- github.com/godbus/dbus: $v4.1.0+incompatible \rightarrow 2ff6f7f$
- github.com/golang/protobuf: $v1.3.1 \rightarrow v1.3.2$
- github.com/google/btree: $4030bb1 \rightarrow v1.0.0$
- github.com/google/cadvisor: $v0.34.0 \rightarrow v0.35.0$
- github.com/gregiones/httpcache: $787624d \rightarrow 9cad4c3$
- github.com/grpc-ecosystem/go-grpc-middleware: cfaf568 \rightarrow f849b54
- github.com/grpc-ecosystem/grpc-gateway: $v1.3.0 \rightarrow v1.9.5$
- github.com/heketi/heketi: $v9.0.0+incompatible \rightarrow c2e2a4a$
- github.com/json-iterator/go: $v1.1.7 \rightarrow v1.1.8$
- github.com/mailru/easyjson: $94\text{de}47\text{d} \rightarrow \text{v}0.7.0$
- github.com/mattn/go-isatty: $v0.0.3 \rightarrow v0.0.9$
- github.com/mindprince/gonvml: fee913c \rightarrow 9ebdce4
- github.com/mrunalp/fileutils: $4ee1cc9 \rightarrow 7d4729f$
- github.com/munnerz/goautoneg: a547fc6 \rightarrow a7dc8b6
- github.com/onsi/ginkgo: $v1.8.0 \rightarrow v1.10.1$
- github.com/onsi/gomega: $v1.5.0 \rightarrow v1.7.0$
- github.com/opencontainers/runc: $6cc5158 \rightarrow v1.0.0$ -rc9
- github.com/opencontainers/selinux: $v1.2.2 \rightarrow 5215b18$
- github.com/pkg/errors: $v0.8.0 \rightarrow v0.8.1$
- github.com/prometheus/client_golang: $v0.9.2 \rightarrow v1.0.0$
- github.com/prometheus/client_model: $5c3871d \rightarrow fd36f42$
- github.com/prometheus/common: $4724e92 \rightarrow v0.4.1$
- github.com/prometheus/procfs: $1dc9a6c \rightarrow v0.0.2$
- github.com/soheilhy/cmux: $v0.1.3 \rightarrow v0.1.4$
- github.com/spf13/pflag: $v1.0.3 \rightarrow v1.0.5$
- github.com/stretchr/testify: $v1.3.0 \rightarrow v1.4.0$
- github.com/syndtr/gocapability: $e7cb7fa \rightarrow d983527$
- github.com/vishvananda/netlink: $b2de5d1 \rightarrow v1.0.0$
- github.com/vmware/govmomi: $v0.20.1 \rightarrow v0.20.3$
- github.com/xiang90/probing: $07dd2e8 \rightarrow 43a291a$
- go.uber.org/atomic: $8dc6146 \rightarrow v1.3.2$
- go.uber.org/multierr: $ddea229 \rightarrow v1.1.0$
- go.uber.org/zap: $67bc79d \rightarrow v1.10.0$
- golang.org/x/crypto: $e84da03 \rightarrow 60c769a$
- golang.org/x/lint: $8f45f77 \rightarrow 959b441$
- golang.org/x/net: cdfb69a \rightarrow 13f9640

- golang.org/x/oauth2: 9f33145 \rightarrow 0f29369
- golang.org/x/sync: $42b3178 \rightarrow cd5d95a$
- golang.org/x/sys: $3b52091 \rightarrow fde4db3$
- golang.org/x/text: e6919f6 \rightarrow v0.3.2
- golang.org/x/time: $f51c127 \rightarrow 9d24e82$
- golang.org/x/tools: $6e04913 \rightarrow 65e3620$
- google.golang.org/grpc: $v1.23.0 \rightarrow v1.23.1$
- gopkg.in/inf.v0: $v0.9.0 \rightarrow v0.9.1$
- k8s.io/klog: $v0.4.0 \rightarrow v1.0.0$
- k8s.io/kube-openapi: 743ec37 \rightarrow 30be4d1
- k8s.io/repo-infra: 00fe14e \rightarrow v0.0.1-alpha.1
- k8s.io/utils: $581e001 \rightarrow e782cd3$
- sigs.k8s.io/structured-merge-diff: $6149e45 \rightarrow b1b620d$

Removed

- github.com/cloudflare/cfssl: 56268a6
- github.com/coreos/bbolt: v1.3.3
- github.com/coreos/rkt: v1.30.0
- github.com/globalsign/mgo: eeefdec
- github.com/google/certificate-transparency-go: v1.0.21
- github.com/heketi/rest: aa6a652
- github.com/heketi/utils: 435bc5b
- github.com/pborman/uuid: v1.2.0

v1.17.0-rc.2

Documentation

Downloads for v1.17.0-rc.2

filename	sha512 hash
kubernetes.tar.gz kubernetes-src.tar.gz	c71521ab0ab1905776b4e05d99672b7ae6555693b95bc4b84c61134197afe4b68248a0610e6971db509fa3475032704ed2d37bb5937ee462fff0a7f0b84ee9

Client Binaries

filename	sha512 hash
kubernetes-client-darwin- 386.tar.gz	1bd00995cc4a58050d42bd4b430cd353f808eade67556946d70e3e8a365d9e
kubernetes-client-darwin- amd64.tar.gz	704727bc0d1ca207ff75f901ffb7b8afd29cdc532455e76bfcf8c0223c605c

filename	sha512 hash	
kubernetes-client-linux-	706a08ecd314afbc63a7fdedcc47f17d4ab8b	c36a2a7239d1f86e4321a6bc27
386.tar.gz		
kubernetes-client-linux- amd64.tar.gz	36e7041453f735ea19141eebcce48fdc18cd3	cae76fa7ac97bc7b46077e9208
kubernetes-client-linux- arm.tar.gz	e6f1bfa5170238fc676e3717ee212e96076e86	ec3ceca6b9a4bd4233822185ed
kubernetes-client-linux- arm64.tar.gz	29bf7b4df9786c9be9995b15f05ebb18bd1dfa	ad9cebf61207c1cac050000cal
kubernetes-client-linux- ppc64le.tar.gz	d1774fbeafd01447d11e05734055ad133dc90	108f5c1bc9adaf84b8334f997
kubernetes-client-linux- s390x.tar.gz	ca93b0539bda64f3e168b1ca1178eaf13f81de	e297475fc750893678a0cc6c62
kubernetes-client-windows- 386.tar.gz	cda5e2526779991d3169d0089e69a2b9e7aa2a	a127aeb7eec339f4ed1b2b74ai
kubernetes-client-windows- amd64.tar.gz	c95b17ecd976cf33f182c2d26d49102dad2d7d	d78fe36d389b18730d59a88666

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	aac109354621dc061e01aa6c72aabe43bb1c784a986be86f2e53c8f8243a24
kubernetes-server-linux- arm.tar.gz	d9755aa8c2b0c2d2fdd0756422176c7b34a85553edde03f075363f79bada3f
kubernetes-server-linux- arm64.tar.gz	e0bf1247872b0361237e7c5f0837b496b2c4ed05e38d5878c11a81d86282ac
kubernetes-server-linux- ppc64le.tar.gz	44d54154e37b87841123d9f12bce979e5faec88fa9654c0f46904f1bf477af
kubernetes-server-linux- s390x.tar.gz	9f42dd736b9575eabb4ef37dae8f18e2f433d00d94e7a994734a9b362127de

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	6f94d2f4a9e2b37797c482a9d42ee9c93d6100fb8b21a983944cb611d57e4e0
kubernetes-node-linux- arm.tar.gz	7078f7372d733b2933d24ddca38401b6d044f90a9c82e12d61c968f545a24a0
kubernetes-node-linux- arm64.tar.gz	9d9365699ecfecac6e7413bdf6d77b917a0e4ed5747810db8c04a3a6d5d2ae4

filename	sha512 hash
kubernetes-node-linux- ppc64le.tar.gz	6103b55f433a864360231cc509bd692b3ebdc6be34e3fe43fdc2fbd1a2bff7
kubernetes-node-linux- s390x.tar.gz	d83008a4cc86c837afd89b3ef7eece8deac67ba29a9a29076333481e630b59a
kubernetes-node-windows- amd64.tar.gz	50b03637ecaacf3e6acd56d1a1eac7a95bb05697a179cd83494726ae0548083

• Update Cluster Autoscaler to 1.17.0; changelog: https://github.com/kubernetes/autoscaler/releases/tag/cluster

Changelog since v1.17.0-rc.1

Other notable changes

- Resolved regression in admission, authentication, and authorization webhook performance in v1.17.0-rc.1 (#85810, @liggitt)
- Filter published OpenAPI schema by making nullable, required fields non-required in order to avoid kubectl to wrongly reject null values. (#85732, @sttts)
- autoscaler-1.17.0 (#85610, @losipiuk)

 kube-apiserver: Fixes a bug that hidden metrics can not be enabled by the
- kube-apiserver: Fixes a bug that hidden metrics can not be enabled by the command-line option --show-hidden-metrics-for-version. (#85444, @RainbowMango)
- Fix bug where EndpointSlice controller would attempt to modify shared objects. (#85368, @robscott)
- Revert ensure the KUBE-MARK-DROP chain in kube-proxy mode=iptables. Fix a bug in which kube-proxy deletes the rules associated with the chain in iptables mode. (#85527, @aojea)

v1.17.0-rc.1

Documentation

Downloads for v1.17.0-rc.1

filename	sha512 hash
kubernetes.tar.gz	f349b451362bf489066a5a0ad29e0eeb4c3c9bedd05c46309dbdac85abab6ae
kubernetes-src.tar.gz	7bda9be86cf317827b66d553eb876ec24a649e60d558f9e6e66db842fdf21ee

Client Binaries

filename	sha512 hash
kubernetes-client-darwin- 386.tar.gz	2ada2da6da63ae97dad4a6b5b64326501eed3a19d6f52fdf36b8224a1341142
kubernetes-client-darwin- amd64.tar.gz	ac06923e4c056d5ab97688e1f42ff408eeab0c0e8f3b010630d45f3530696c1
kubernetes-client-linux- 386.tar.gz	bb1f4384b6e3aa4cdaf6f629adeb0f81df138f17fc1c5a39c1584c31e228340
kubernetes-client-linux- amd64.tar.gz	f66119eb66f87f19c993e380813c0a8051e562fb62c1e8a2f49237774fe5d9
kubernetes-client-linux- arm.tar.gz	5a077f979ea775ba45d741b1137ab8a579164601bd8033704e03646ba1c9932
kubernetes-client-linux- arm64.tar.gz	1b595b0aa568b8de3a4a56d9226e618c3648fb167c5ad62c833578ced95293
kubernetes-client-linux- ppc64le.tar.gz	955b1ecf8b04944cc04a06c3023574b7ccfad655df658320402bca15647b8f
kubernetes-client-linux- s390x.tar.gz	273d5ca8b5fa042b68c7f01f8f6b293c308ee2ce5675419350f01f7763824b6
kubernetes-client-windows-386.tar.gz	94e20c417c626166cff39a74b05d7eb443a00be9ef7d7f7bb014d170a41ff9b
kubernetes-client-windows- amd64.tar.gz	59deabc78139ad4d6dced570f5292eaa67da4d6fca88f90d7e1484b77a71ef6

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	b73983175bb95accb505ab953635e49d5ce3ef0a58e4de6575e431a6c0c8183
kubernetes-server-linux- arm.tar.gz	7f2b75c7fe9f97dcab6ef00fa72bda3493225c58aa963e6843184f24c32631d
kubernetes-server-linux- arm64.tar.gz	113e978c8400acc8048b0a1979cf5cf95cfec76de7a9b2a5e1c204de8969ff7
kubernetes-server-linux- ppc64le.tar.gz	5dfb184689e9d534788f86dc29bf69e779c5a9927adc50338fee0f7a71603ac
kubernetes-server-linux- s390x.tar.gz	ae7a6399672a7333ba85567bf9b6b1f9af7ad9616acbd0bd52237cb5d5c9681

filename	sha512 hash
kubernetes-node-linux-	17279e9220a2423aba35056bc631d0b2af1df45297dd40e36949a0ff809d3b7
amd64.tar.gz	

filename	sha512 hash
kubernetes-node-linux- arm.tar.gz	4611354f214b2d7d5138adaffd764574dfc6a68d27b7f53563c486a8ba25cef
kubernetes-node-linux- arm64.tar.gz	361e44be2d5a98fb94fd8a39ab9a57198bc7613b2004b239920438853db0a33
kubernetes-node-linux- ppc64le.tar.gz	69f9da64ae19bb4cfc616a2abd587c9711e9667da4743d776510e92aa23da72
kubernetes-node-linux- s390x.tar.gz	Ofb52cfc24b58887be71d98dd1c826be520eef69448f2f207e849b85533c27
kubernetes-node-windows- amd64.tar.gz	7d3ce000317a05737101ff1fd0fd0423be2649e5ae387b9d89e57242a3cf8b2

Changelog since v1.17.0-beta.2

Other notable changes

- kubeadm: fix a panic in case the KubeProxyConfiguration feature gates were not initialized. (#85524, @Arvinderpal)
- kubeadm: fix stray "node-cidr-mask-size" flag in the kube-controller-manager manifest when IPv6DualStack is enabled (#85494, @tedyu)
- CRDs can have fields named type with value array and nested array with items fields without validation to fall over this. (#85223, @sttts)
- Resolves error from v1.17.0-beta.2 with –authorizer-mode webhook complaining about an invalid version (#85441, @liggitt)
- Promote CSIMigrationAWS to Beta (off by default since it requires installation of the AWS EBS CSI Driver) (#85237, @leakingtapan)
 - The in-tree AWS EBS plugin "kubernetes.io/aws-ebs" is now deprecated and will be removed in 1.21. Users should enable CSIMigration
 + CSIMigrationAWS features and install the AWS EBS CSI Driver (https://github.com/kubernetes-sigs/aws-ebs-csi-driver) to avoid disruption to existing Pod and PVC objects at that time.
 - Users should start using the AWS EBS CSI CSI Driver directly for any new volumes.

v1.17.0-beta.2

Documentation

Downloads for v1.17.0-beta.2

filename	sha512 hash
kubernetes.tar.gz	c4e937e784b26b5b18cac0bc8d4c91e1ae576107f14bb475e2d38687fbb5790
kubernetes-src.tar.gz	79351b61539c7dc608f4c2a184e788f74503cd801304204de1d52e9ea7b504

Client Binaries

filename	sha512 hash
kubernetes-client-darwin- 386.tar.gz	3940ed06c0848b6ddf9e37e66535085d58a5cf7b66a015eab718eb7b4927e9
kubernetes-client-darwin- amd64.tar.gz	2d6497ad8f5ca592717fcc704f581020922e317e60c2f7def6b6899398666c
kubernetes-client-linux- 386.tar.gz	220713aea7709facd2317015467ce1922abf39cdf486d44f4a3fae497aa119
kubernetes-client-linux- amd64.tar.gz	afe7fbecb04bba24f6c2d794a7c9b83cdc48032137776e660537541e3b2da6
kubernetes-client-linux- arm.tar.gz	97addcebe381cfd6ccca94ca4f039ec6e300bda701fc005b1d292a055a2ed8
kubernetes-client-linux- arm64.tar.gz	ca3880ce4c6ca1aa8500d67d0c0eeb85f0323306308d2abe26caa9f97b2043
kubernetes-client-linux- ppc64le.tar.gz	84c40110c8ae3bfc02edd3f6e937032b41dd67b9c48e738ff8590d9b26d249
kubernetes-client-linux- s390x.tar.gz	31521ef3a8426676e73011dbe5b00a7cb9479aa9d1147e824c1c4287634f1c
kubernetes-client-windows- 386.tar.gz	8601fb516a4557b7579dc3fb3e83e1be2f8e8a6a19aaca5232a5be25d9d230
kubernetes-client-windows- amd64.tar.gz	00b4e163629f415c9c9caca4e5a9b0753ecddc29fde7d63b379d9d13af8992

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	a5d21dfe1c05ca6fb1357975b75ff9549642f37e8754a884567c0a00048208
kubernetes-server-linux- arm.tar.gz	d33a18da3aa4305183f7e3cd3f43f100ed1484c59811c0e8172c5838b94cd0
kubernetes-server-linux- arm64.tar.gz	2bba562b5e5f28d1b840490cbcc837f421e30a715daca08234b1302f5b7a526
kubernetes-server-linux- ppc64le.tar.gz	a80a80233832aca887b90e688a5ab537468071d8d3237a28cf3e9d7cf4ef1f
kubernetes-server-linux- s390x.tar.gz	ba23bc2a9c94dd19a8a0a739e15e72dcb30ec103978686e1b4a845175ae8ca

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	76298a3e8a6184c7ca7026a83c016172e22f5be18e68d3ec01a3d6fc1b3ca2
kubernetes-node-linux- arm.tar.gz	d21b60164cb3ee15a493567e1852fb8844f8a5fa5d6d4e71f8078a039d9fea
kubernetes-node-linux- arm64.tar.gz	9707c6e9c3835f8a5a80be9600f651c992ae717a8a6efc20cc8e67d562ddc6
kubernetes-node-linux- ppc64le.tar.gz	4c8dea040321fbf8e444ba0252567cb3aed3173db4c82b7572b9f8053b1275
kubernetes-node-linux- s390x.tar.gz	7a720070b28ab5b83ec054a3137d434c39f7b8f1a0c751f5d06b1f2bbe0077
kubernetes-node-windows- amd64.tar.gz	85b3a0bcb5a319f443cc0f3a9aff0b6fb038d42f515698d51cba27a4a1a6b3

Changelog since v1.17.0-beta.1

Action Required

- Renamed FeatureGate RequestManagement to APIPriorityAndFairness. This feature gate is an alpha and has not yet been associated with any actual functionality. (#85260, @MikeSpreitzer)
 - Action required: change references to feature gate RequestManagement into references to APIPriorityAndFairness
- ACTION REQUIRED: kubeadm: add a new "kubelet-finalize" phase as part of the "init" workflow and an experimental sub-phase to enable automatic kubelet client certificate rotation on primary control-plane nodes. (#84118, @neolit123)
 - Prior to 1.17 and for existing nodes created by "kubeadm init" where kubelet client certificate rotation is desired, you must modify "/etc/kubernetes/kubelet.conf" to point to the PEM symlink for rotation:
 - "client-certificate: /var/lib/kubelet/pki/kubelet-client-current.pem" and "client-key: /var/lib/kubelet/pki/kubelet-client-current.pem", replacing the embedded client certificate and key.
- action required: kubeadm deprecates the use of the hyperkube image (#85094, @rosti)

- Following metrics have been turned off: (#83837, @RainbowMango)
 - * apiserver_request_count
 - * apiserver request latencies
 - * apiserver_request_latencies_summary
 - * apiserver_dropped_requests
 - * etcd_request_latencies_summary

- * apiserver storage transformation latencies microseconds
- * apiserver_storage_data_key_generation_latencies_microseconds
- * apiserver storage transformation failures total
- OpenAPI v3 format in CustomResourceDefinition schemas are now documented. (#85381, @sttts)
- The official kube-proxy image (used by kubeadm, among other things) is now (#82966, @danwinship)
 - compatible with systems running iptables 1.8 in "nft" mode, and will autodetect
 - which mode it should use.
- Kubenet: added HostPort IPv6 support (#80854, @aojea)
 - HostPortManager: operates only with one IP family, failing if receives portmapping entries with different IP families
 - HostPortSyncer: operates only with one IP family, skipping portmap entries with different IP families
- Implement the documented API semantics of list-type and map-type atomic to reject non-atomic sub-types. (#84722, @sttts)
- kubeadm: Fix a bug where kubeadm cannot parse kubelet's version if the latter dumps logs on the standard error. (#85351, @rosti)
- EndpointSlices are not enabled by default. Use the EndpointSlice feature gate to enable this feature. (#85365, @robscott)
- Feature gates CSIMigration to Beta (on by default) and CSIMigrationGCE to Beta (off by default since it requires installation of the GCE PD CSI Driver) (#85231, @davidz627)
 - The in-tree GCE PD plugin "kubernetes.io/gce-pd" is now deprecated and will be removed in 1.21. Users should enable CSIMigration + CSIMigrationGCE features and install the GCE PD CSI Driver (https://github.com/kubernetes-sigs/gcp-compute-persistent-disk-csi-driver) to avoid disruption to existing Pod and PVC objects at that time.
 - Users should start using the GCE PD CSI CSI Driver directly for any new volumes.
- kube-controller-manager: Fixes bug setting headless service labels on endpoints (#85361, @liggitt)
- When upgrading to 1.17 with a cluster with EndpointSlices enabled, the endpointslice.kubernetes.io/managed-by label needs to be set on each EndpointSlice. (#85359, @robscott)
- Remove redundant API validation when using Service Topology with externalTrafficPolicy=Local (#85346, @andrewsykim)
- Following metrics have been turned off: (#83838, @RainbowMango)
 - * scheduler scheduling latency seconds
 - * scheduler_e2e_scheduling_latency_microseconds
 - * scheduler_scheduling_algorithm_latency_microseconds
 - * scheduler_scheduling_algorithm_predicate_evaluation
 - * scheduler_scheduling_algorithm_priority_evaluation
 - $\quad * \ scheduler_scheduling_algorithm_preemption_evaluation$

- * scheduler_scheduling_binding_latency_microseconds
- CSI Migration: Fixes issue where all volumes with the same inline volume inner spec name were staged in the same path. Migrated inline volumes are now staged at a unique path per unique volume. (#84754, @davidz627)
- kube-controller-manager (#79993, @aramase)
 - -- node-cidr-mask-size-ipv4 int32 Default: 24. Mask size for IPv4 node-cidr in dual-stack cluster.
 - node-cidr-mask-size-ipv6 int32 Default: 64. Mask size for IPv6 node-cidr in dual-stack cluster.
 - These 2 flags can be used only for dual-stack clusters. For non dual-stack clusters, continue to use
 - - node-cidr-mask-size flag to configure the mask size.
 - The default node cidr mask size for IPv6 was 24 which is now changed to 64.
- The following information is available through environment variables: (#83123, @aramase)
 - status.podIPs the pod's IP addresses
- update github.com/vishvananda/netlink to v1.0.0 (#83576, @andrewsykim)
- kubectl: -resource-version now works properly in label/annotate/set selector commands when racing with other clients to update the target object (#85285, @liggitt)
- --runtime-config now supports an api/beta=false value which disables all built-in REST API versions matching v[0-9]+beta[0-9]+. (#84304, @liggitt)
 - --feature-gates now supports an AllBeta=false value which disables all beta feature gates.
- kube-proxy now supports DualStack feature with EndpointSlices and IPVS. (#85246, @robscott)
- Add table convertor to componentstatus. (#85174, @zhouya0)
- kubeadm: added retry to all the calls to the etcd API so kubeadm will be more resilient to network glitches (#85201, @fabriziopandini)
- azure: update disk lock logic per vm during attach/detach to allow concurrent updates for different nodes. (#85115, @aramase)
- Scale custom resource unconditionally if resourceVersion is not provided (#80572, @knight42)
- Bump CSI version to 1.2.0 (#84832, @gnufied)
- Adds Windows Server build information as a label on the node. (#84472, @gab-satchi)
- Deprecated metric kubeproxy_sync_proxy_rules_latency_microseconds has been turned off. (#83839, @RainbowMango)
- Existing PVs are converted to use volume topology if migration is enabled. (#83394, @bertinatto)
- Finalizer Protection for Service LoadBalancers is now in GA (enabled by default). This feature ensures the Service resource is not fully deleted until the correlating load balancer resources are deleted. (#85023, @MrHohn)

- EndpointSlices are now beta and enabled by default for better Network Endpoint performance at scale. (#84390, @robscott)
- When using Containerd on Windows, the TerminationMessagePath file will now be mounted in the Windows Pod. (#83057, @bclau)
- apiservers based on k8s.io/apiserver with delegated authn based on cluster authentication will automatically update to new authentication information when the authoritative configmap is updated. (#85004, @deads2k)
- fix vmss dirty cache issue in disk attach/detach on vmss node (#85158, @andyzhangx)
- Fixes a bug in kubeadm that caused init and join to hang indefinitely in specific conditions. (#85156, @chuckha)
- kube-apiserver: Authentication configuration for mutating and validating admission webhooks referenced from an --admission-control-config-file can now be specified with apiVersion: apiserver.config.k8s.io/v1, kind: WebhookAdmissionConfiguration. (#85138, @liggitt)
- Kubeadm now includes CoreDNS version 1.6.5 (#85109, @rajansandeep)
 - * kubernetes plugin adds metrics to measure kubernetes control plane latency.
 - * the health plugin now includes the lameduck option by default,
 which waits for a duration before shutting down.
- Kubeadm now includes CoreDNS version 1.6.5 (#85108, @rajansandeep)
 - * kubernetes plugin adds metrics to measure kubernetes control plane latency.
 - * the health plugin now includes the lameduck option by default, which waits for a duration before shutting down.
- kube-apiserver: The ResourceQuota admission plugin configuration referenced from --admission-control-config-file admission config has been promoted to apiVersion: apiserver.config.k8s.io/v1, kind: ResourceQuotaConfiguration with no schema changes. (#85099, @liggitt)
- kube-apiserver: The AdmissionConfiguration type accepted by --admission-control-config-file has been promoted to apiserver.config.k8s.io/v1 with no schema changes. (#85098, @liggitt)
- New flag --show-hidden-metrics-for-version in kube-apiserver can be used to show all hidden metrics that deprecated in the previous minor release. (#84292, @RainbowMango)
- The ResourceQuotaScopeSelectors feature has graduated to GA. The ResourceQuotaScopeSelectors feature gate is now unconditionally enabled and will be removed in 1.18. (#82690, @draveness)
- Fixed bug when using kubeadm alpha certs commands with clusters using external etcd (#85091, @fabriziopandini)
- Fix a bug that a node Lease object may have been created without OwnerReference. (#84998, @wojtek-t)
- Splitting IP address type into IPv4 and IPv6 for EndpointSlices (#84971, @robscott)

- Pod process namespace sharing is now Generally Available. The PodShareProcessNamespace feature gate is now deprecated and will be removed in Kubernetes 1.19. (#84356, @verb)
- Fix incorrect network policy description suggesting that pods are isolated when a network policy has no rules of a given type (#84194, @jackkleeman)
- add RequiresExactMatch for label.Selector (#85048, @shaloulcy)
- Deprecated metric rest_client_request_latency_seconds has been turned off. (#83836, @RainbowMango)
- Removed dependency on kubectl from several storage E2E tests (#84042, @okartau)
- kubeadm no longer defaults or validates the component configs of the kubelet or kube-proxy (#79223, @rosti)
- Add plugin_execution_duration_seconds metric for scheduler framework plugins. (#84522, @liu-cong)
- Moving WindowsRunAsUserName feature to beta (#84882, @marosset)
- Node-specific volume limits has graduated to GA. (#83568, @bertinatto)
- kubelet and aggregated API servers now use v1 TokenReview and SubjectAccessReview endpoints to check authentication/authorization. (#84768, @liggitt) * kube-apiserver can now specify --authentication-token-webhook-version=v1 or --authorization-webhook-version=v1 to use v1 TokenReview and SubjectAccessReview API objects when communicating with authentication and authorization webhooks.
- BREAKING CHANGE: Remove plugin watching of deprecated directory {kubelet_root_dir}/plugins and CSI V0 support in accordance with deprecation announcement in https://v1-13.docs.kubernetes.io/docs/setup/release/notes/(#84533, @davidz627)
- Adds a new label to indicate what is managing an EndpointSlice. (#83965, @robscott)
- Fix a racing issue in client-go UpdateTransportConfig. (#80284, @danielqsj)
- Enables VolumeSnapshotDataSource feature gate and promotes volume snapshot APIs to beta. (#80058, @xing-yang)
- Added appProtocol field to EndpointSlice Port (#83815, @howardjohn)
- kubeadm alpha certs command now skip missing files (#85092, @fabriziopandini)
- A new flag "progress-report-url" has been added to the test context which allows progress information about the test run to be sent to a webhook. In addition, this information is printed to stdout to aid in users watching the logs. (#84524, @johnSchnake)
- kubeadm: remove the deprecated "-cri-socket" flag for "kubeadm upgrade apply". The flag has been deprecated since v1.14. (#85044, @neolit123)
- Clients can request protobuf and json and correctly negotiate with the server for JSON for CRD objects, allowing all client libraries to request protobuf if it is available. If an error occurs negotiating a watch with the server, the error is immediately return by the client Watch() method instead of being sent as an Error event on the watch stream. (#84692,

- @smarterclayton)
- Following metrics from kubelet are now marked as with the ALPHA stability level: (#84987, @RainbowMango)
 - node cpu usage seconds total
 - node_memory_working_set_bytes
 - container_cpu_usage_seconds_total
 - container memory working set bytes
 - scrape error
- Following metrics from kubelet are now marked as with the ALPHA stability level: (#84907, @RainbowMango)
 - kubelet container log filesystem used bytes
 - kubelet_volume_stats_capacity_bytes
 - kubelet_volume_stats_available_bytes
 - kubelet volume stats used bytes
 - kubelet volume stats inodes
 - kubelet volume stats inodes free
 - kubelet volume stats inodes used
 - plugin manager total plugins
 - volume_manager_total_volumes
- kubeadm: enable the usage of the secure kube-scheduler and kube-controller-manager ports for health checks. For kube-scheduler was 10251, becomes 10259. For kube-controller-manager was 10252, becomes 10257. (#85043, @neolit123)
- kubeadm: prevent potential hanging of commands such as "kubeadm reset" if the apiserver endpoint is not reachable. (#84648, @neolit123)
- Mirror pods now include an ownerReference for the node that created them. (#84485, @tallclair)
- kubeadm: fix skipped etcd upgrade on secondary control-plane nodes when the command "kubeadm upgrade node" is used. (#85024, @neolit123)
- fix race condition when attach/delete azure disk in same time (#84917, @andyzhangx)
- If given an IPv6 bind-address, kube-apiserver will now advertise an IPv6 endpoint for the kubernetes.default service. (#84727, @danwinship)
- kubeadm: the command "kubeadm token create" now has a "-certificate-key" flag that can be used for the formation of join commands for control-planes with automatic copy of certificates (#84591, @TheLastProject)
- Deprecate the instance type beta label ("beta.kubernetes.io/instance-type") in favor of it's GA equivalent: "node.kubernetes.io/instance-type" (#82049, @andrewsykim)
- kube-apiserver: Fixed a regression accepting patch requests > 1MB (#84963, @liggitt)
- Promote NodeLease feature to GA. (#84351, @wojtek-t)
 - The feature make Lease object changes an additional healthiness signal from Node. Together with that, we reduce frequency of NodeStatus updates to 5m by default in case of no changes to status itself
- Following metrics from kube-controller-manager are now marked as with

the ALPHA stability level: (#84896, @RainbowMango)

- storage_count_attachable_volumes_in_use
- attachdetach controller total volumes
- pv collector bound pv count
- pv collector unbound pv count
- pv_collector_bound_pvc_count
- pv collector unbound pvc count
- Deprecate the beta labels for zones ("failure-domain.beta.kubernetes.io/zone") and (#81431, @andrewsykim)
 - regions ("failure-domain.beta.kubernetes.io/region") in favor of their GA equivalents:
 - "topology.kubernetes.io/zone" and "topology.kubernetes.io/region".
 - The beta labels "failure-domain.beta.kubernetes.io/zone" and "failure-domain.beta.kubernetes.io/region" will be removed in v1.21
- kube-apiserver: fixed a bug that could cause a goroutine leak if the apiserver encountered an encoding error serving a watch to a websocket watcher (#84693, @tedyu)
- EndpointSlice hostname is now set in the same conditions Endpoints hostname is. (#84207, @robscott)
- Simple script based hyperkube image that bundles all the necessary binaries. This is a equivalent replacement for the image based on the go based hyperkube command + image. (#84662, @dims)
- configmaps/extension-apiserver-authentication in kube-system is continuously updated by kube-apiservers, instead of just at apiserver start (#82705, @deads2k)
- kubeadm: fix an issue with the kube-proxy container env. variables (#84888, @neolit123)
- Updated EndpointSlices to use PublishNotReadyAddresses from Services. (#84573, @robscott)
- The example API server has renamed its wardle.k8s.io API group to wardle.example.com (#81670, @liggitt)
- A new kubelet command line option, —reserved-cpus, is introduced to explicitly define the CPU list that will be reserved for system. For example, if —reserved-cpus=0,1,2,3 is specified, then cpu 0,1,2,3 will be reserved for the system. On a system with 24 CPUs, the user may specify isolcpus=4-23 for the kernel option and use CPU 4-23 for the user containers. (#83592, @jianzzha)
- Utilize diagnostics tool to dump GKE windows test logs (#83517, @YangLu1031)
- Improving the performance of Endpoint and EndpointSlice controllers by caching Service Selectors (#84280, @gongguan)
- When the go-client reflector relists, the ResourceVersion list option is set to the reflector's latest synced resource version to ensure the reflector does not "go back in time" and reprocess events older than it has already processed. If the server responds with an HTTP 410 (Gone) status code response, the relist falls back to using resourceVersion="". (#83520, @jpbetz)

- Kubernetes now requires go1.13.4+ to build (#82809, @liggitt)
- Ensure health probes are created for local traffic policy UDP services on Azure (#84802, @feiskyer)
- CRDs defaulting is promoted to GA. Note: the feature gate CustomResourceDefaulting will be removed in 1.18. (#84713, @sttts)
- Profiling is enabled by default in the scheduler (#84835, @denkensk)
- CSI Migration: GCE PD access mode now reflects read only status of inline volumes this allows multi-attach for read only many PDs (#84809, @davidz627)
- All resources within the rbac.authorization.k8s.io/v1alpha1 and rbac.authorization.k8s.io/v1beta1 API groups are deprecated in favor of rbac.authorization.k8s.io/v1, and will no longer be served in v1.20. (#84758, @liggitt)
- Scheduler ComponentConfig fields are now pointers (#83619, @damemi)
- Adding initial EndpointSlice metrics. (#83257, @robscott)

v1.17.0-beta.1

Documentation

Downloads for v1.17.0-beta.1

filename	sha512 hash
kubernetes.tar.gz	6d6c61bb4d3372d56b7a429b5b8b5adbfb0aaddd65283d169bb719b8aca7c2
kubernetes-src.tar.gz	9878c454c5b482621a7ddeab2ab3290fdafd0cfb3d580b261081ba3943b19b

Client Binaries

filename	sha512 hash
kubernetes-client-darwin-	67c9d4d97db40ee94a5e021642eeea006dfd66f0c50ccd0d833c52d2bc4156
386.tar.gz kubernetes-client-darwin- amd64.tar.gz	9a1494c082af52186620d1cd1b02f8a8f4af7e676e2ec217f41cf2915bd6fb
kubernetes-client-linux- 386.tar.gz	9de6254a6a267ea283b6118d9da079f072e73ba377e81a361943f6d42baa5d
kubernetes-client-linux- amd64.tar.gz	a93d028c3adda047864b36f314752fbe4745bb6ad8f37574cc124eb1453bad
kubernetes-client-linux- arm.tar.gz	5ca7feea1c4a33cf92f0ee79a92daee4876b43c626346dcc701bb7d6b956c0
kubernetes-client-linux- arm64.tar.gz	d6a63efa140a1c2cde43252e9f917a02752e90628b51ca28ec7118245cd00d
kubernetes-client-linux- ppc64le.tar.gz	cdb805bc7bae052a0585b88c5e7980bd8bf9f32a840728455c18f4f01e03cd

filename	sha512 hash
kubernetes-client-linux- s390x.tar.gz	a9ff545cad6a42dbcdf9f91214c15e2ebee2df20579b7f62ec07397eca792f2
kubernetes-client-windows- 386.tar.gz	eb3e4dbbb1dc6829bfa320853b695e61f4daafdff4aaa1f4ffb2e4be4b3f2e0
kubernetes-client-windows- amd64.tar.gz	ad0087ef7a0da961d3f22eab2ddab302be2190df5a2150046f7162dfc5072aa

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	8f4878dfbe7e6abc30516bd801bb5c07873b4a80d8bc560e5b5593e0c1d64bc
kubernetes-server-linux- arm.tar.gz	3e5745bffbfb3551b4d4962b7ab6524c9b71f55860a91992dd0495266c56b74
kubernetes-server-linux- arm64.tar.gz	ed00c196e6e229229b6523e7c3a201e00805304ad72c54bf7d0fc456d17914
kubernetes-server-linux- ppc64le.tar.gz	57b5cc144fc4f3bfa6217e0d5494e4a4367f0c0d3504721d4343ff009f00fe
kubernetes-server-linux- s390x.tar.gz	6f6d2b61a11e30199997582487f7e4f967771e0367d7f471043e0b9b373d463

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	0c1b9dbb630a3bc47a835f9bfd9259d464abae8a30b0824a73b20892b013ed6
kubernetes-node-linux- arm.tar.gz	191087e26632dcc80991530b79bcda49bd4d0a131689ef48164a0bdb30e0a52
kubernetes-node-linux- arm64.tar.gz	f0f58aa8f9ad0ac0a1ee29d318ebb4d14f0bef4cba1fee9081ee2bfb6b4124
kubernetes-node-linux- ppc64le.tar.gz	bf574c4a46731ebc273910176ab67b2455b021972de3aeeb2a2b04af2a10792
kubernetes-node-linux- s390x.tar.gz	5a5d2ece704178a630dc228b51229b8598eb45bf3eaeae75b1475f249922c6a
kubernetes-node-windows- amd64.tar.gz	22fc9a7eb0e8244d51fd11f6d90f44e973983cb21692724c919493a235d2f9

Changelog since v1.17.0-alpha.3

Action Required

• Graduate ScheduleDaemonSetPods to GA. (feature gate will be removed in 1.18) action required. (#82795, @draveness)

- kube-scheduler: emits a warning when a malformed component config file is used with v1alpha1. (#84129, @obitech)
- add azure disk encryption(SSE+CMK) support (#84605, @andyzhangx)
- The certificate signer no longer accepts ca.key passwords via the CF-SSL_CA_PK_PASSWORD environment variable. This capability was not prompted by user request, never advertised, and recommended against in the security audit. (#84677, @mikedanese)
- Reduce default NodeStatusReportFrequency to 5 minutes. With this change, periodic node status updates will be send every 5m if node status doesn't change (otherwise they are still send with 10s). (#84007, @wojtekt)
 - Bump NodeProblemDetector version to v0.8.0 to reduce forced NodeStatus updates frequency to 5 minutes.
- CSI Topology feature is GA. The CSINodeInfo feature gate is deprecated and will be removed in a future release. The storage.k8s.io/v1beta1 CSINode object is deprecated and will be removed in a future release. (#83474, @msau42)
- Only validate duplication of the RequestedToCapacityRatio custom priority and allow other custom predicates/priorities (#84646, @liu-cong)
- Added kubelet serving certificate metric server_rotation_seconds which is a histogram reporting the age of a just rotated serving certificate in seconds. (#84534, @sambdavidson)
- During namespace deletion some controllers create event and log spam because they do not recognize namespace deletion as a terminal state. (#84123, @smarterclayton)
- Removed Alpha feature MountContainers (#84365, @codenrhoden)
- People can see the right log and note. (#84637, @zhipengzuo)
- Ensure the KUBE-MARK-DROP chain in kube-proxy mode=iptables. The chain is ensured for both ipv4 and ipv6 in dual-stack operation. (#84422, @aojea)
- deprecate cleanup-ipvs flag (#83832, @gongguan)
- Scheduler Policy API has a new recommended apiVersion "apiVersion: kubescheduler.config.k8s.io/v1" which is consistent with the scheduler API group "kubescheduler.config.k8s.io". It holds the same API as the old apiVersion "apiVersion: v1". (#83578, @Huang-Wei)
- Fixed a bug in the single-numa-policy of the TopologyManager. Previously, best-effort pods would result in a terminated state with a TopologyAffinity error. Now they will run as expected. (#83777, @lmdaly)

- local: support local filesystem volume with block resource reconstruction (#84218, @cofyc)
- Fix the bug that EndpointSlice for masters wasn't created after enabling EndpointSlice feature on a pre-existing cluster. (#84421, @tnqn)
- kubelet: a configuration file specified via --config is now loaded with strict deserialization, which fails if the config file contains duplicate or unknown fields. This protects against accidentally running with config files that are malformed, mis-indented, or have typos in field names, and getting unexpected behavior. (#83204, @obitech)
- kubeadm now propagates proxy environment variables to kube-proxy (#84559, @yastij)
- Reload apiserver SNI certificates from disk every minute (#84303, @jack-kleeman)
- sourcesReady provides the readiness of kubelet configuration sources such as a piserver update readiness. (#81344, @zouyee)
- Update Azure SDK versions to v35.0.0 (#84543, @andyzhangx)
- Fixed EndpointSlice port name validation to match Endpoint port name validation (allowing port names longer than 15 characters) (#84481, @robscott)
- Scheduler now reports metrics on cache size including nodes, pods, and assumed pods (#83508, @damemi)
- kube-proxy: emits a warning when a malformed component config file is used with v1alpha1. (#84143, @phenixblue)
- Update default etcd server version to 3.4.3 (#84329, @jingyih)
- Scheduler policy configs can no longer be declared multiple times (#83963, @damemi)
- This PR sets the -cluster-dns flag value to kube-dns service IP whether or not NodeLocal DNSCache is enabled. NodeLocal DNSCache will listen on both the link-local as well as the service IP. (#84383, @prameshj)
- Remove prometheus cluster monitoring addon from kube-up (#83442, @serathius)
- update the latest validated version of Docker to 19.03 (#84476, @neolit123)
- kubeadm: always mount the kube-controller-manager hostPath volume that is given by the –flex-volume-plugin-dir flag. (#84468, @neolit123)
- Introduce x-kubernetes-map-type annotation as a CRD API extension. Enables this particular validation for server-side apply. (#84113, @enxebre)
- kube-scheduler now fallbacks to emitting events using core/v1 Events when events.k8s.io/v1beta1 is disabled. (#83692, @yastij)
- Migrate controller-manager and scheduler to EndpointsLeases leader election. (#84084, @wojtek-t)
- User can now use component config to configure NodeLabel plugin for the scheduler framework. (#84297, @liu-cong)
- local: support local volume block mode reconstruction (#84173, @cofyc)
- Fixed kubectl endpointslice output for get requests (#82603, @robscott)
- set config.BindAddress to IPv4 address "127.0.0.1" if not specified (#83822, @zouyee)

- CSI detach timeout increased from 10 seconds to 2 minutes (#84321, @cduchesne)
- Update etcd client side to v3.4.3 (#83987, @wenjiaswe)
 - Deprecated prometheus request meta-metrics have been removed (http_request_duration_microseconds, http_request_duration_microseconds_sum, http_request_duration_microseconds_count, http_request_size_bytes, http_request_size_bytes_sum, http_request_size_bytes_count, http_requests_total, http_response_size_bytes, http_response_size_bytes_sum, http_response_size_bytes_count) due to removal from the prometheus client library. Prometheus http request meta-metrics are now generated from promhttp.InstrumentMetricHandler instead.
- The built-in system:csi-external-provisioner and system:csi-external-attacher cluster roles are removed as of 1.17 release (#84282, @tedyu)
- Pod labels can no longer be updated through the pod/status updates by nodes. (#84260, @tallclair)
- Reload apiserver serving certificate from disk every minute (#84200, @jack-kleeman)
- Adds FQDN addressType support for EndpointSlice. (#84091, @robscott)
- Add permit_wait_duration_seconds metric for scheduler. (#84011, @liucong)
- Optimize inter-pod affinity preferred DuringSchedulingIgnored DuringExecution type, up to 4x in some cases. (#84264, @ahg-g)
- When a name space is being deleted and spec.finalizers are still being processed, stop returning a 409 conflict error and instead return the object as we would during metadata. finalizer processing. (#84122, @smarterclayton)
- client-ca bundles for the all generic-apiserver based servers will dynamically reload from disk on content changes (#83579, @deads2k)
- Reduced frequency of DescribeVolumes calls of AWS API when attaching/detaching a volume. (#84181, @jsafrane)
- Add a metric to track number of scheduler binding and prioritizing goroutines (#83535, @wgliang)
- Fix kubelet metrics gathering on non-English Windows hosts (#84156, @wawa0210)
- A new kubelet_preemptions metric is reported from Kubelets to track the number of preemptions occurring over time, and which resource is triggering those preemptions. (#84120, @smarterclayton)

v1.17.0-alpha.3

Documentation

Downloads for v1.17.0-alpha.3

filename	sha512 hash
kubernetes.tar.gz	dfdb758b21a3dbd820063cb2ba4b4a19e5e1e03fdb95856bf9c99c2c436bbc2
kubernetes-src.tar.gz	1718547ef5baf7ab6514bafff05451fc9d2f0db0b74f094b4d9004e949ef86

Client Binaries

filename	sha512 hash
kubernetes-client-darwin-	207b281b7da796faa34beaf0c8f7e70f9685b132c2838a12e0c8f2084627e2
386.tar.gz	
kubernetes-client-darwin-	b0c19de40aa4210c0f06e1864779d60a69b75a443042f448746a0cd8cae680
amd64.tar.gz	
kubernetes-client-linux-	e8149e6373b48ab97b844b5450be12ec4bb86c869cdf71f98b78b88a9a9ef
386. tar. gz	
kubernetes-client-linux-	d4176dfd049ffa1e59b7c4efd4d4189463153fa6cf53d5fc43c953983b74cl
amd64.tar.gz	
kubernetes-client-linux-	d6de12989c091e78ad95d7e01274936a28ca74219196c27775d00665c9fb98
arm.tar.gz	
kubernetes-client-linux-	2f62aeaa39d7b7ab0840bd6c845d73e6135357edbbf93046c1fbd52d02a8c
arm64.tar.gz	
kubernetes-client-linux-	895fd028e409cca1667a08ba6d1b32517b23b796530eecef7c1a4783287b4
ppc64le.tar.gz	
kubernetes-client-linux-	50fe03594da3c90932e83d0befad9053ef1fb72f4af1a5c139455c8acc6c10
s390x.tar.gz	
kubernetes-client-windows-	3e32d47078da5d3d31c4b854c01e081a437fab2c01c7e7be291262b029046a
386.tar.gz	
kubernetes-client-windows-	42ec1f3273ea070cedcf65bbb76ebf05a24aca5ed55af4b17889fb1be3df9
amd64.tar.gz	

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	0b1fe1eca603579f70c13509dff32dcb8383ee340b8fc6b8edf23cdaf1f86cf
kubernetes-server-linux- arm.tar.gz	ac1a804dd8980281afe12a116ffaf4ed9fc1066c3a531f3a6ced14f021c69d6
kubernetes-server-linux- arm64.tar.gz	e34daf4c37ab5c2f52a116ed4ca0f7b52c0d0b5863d027550241b03f9019dcl
kubernetes-server-linux- ppc64le.tar.gz	9c285800beecc53cf5293604270cbcc5ba6245ddf4dfe0c0ec9a1359ed3771c
kubernetes-server-linux- s390x.tar.gz	ea883497e80fdb2182342a2bae0382c7d38b0273cae6f8a5ee05d149669134

Node Binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	450197a746a52c3129f97e50b4b69bf2d1e94290be72f1ae143e36bl
kubernetes-node-linux- arm.tar.gz	c10c6ea591a15dc873afb01a7aa1916188e411ba57201f436d6d96cd
kubernetes-node-linux- arm64.tar.gz	47764435a9367571f7de12d54f0aff7d615fc50383230c6fba08475c
kubernetes-node-linux- ppc64le.tar.gz	48d2694450f4b94e8ff76e95ef102670d4a4c933010afadf7a019db7
kubernetes-node-linux- s390x.tar.gz	20e712415af7304ecb55e9c2c2f29dda3af4a78f5833499c1f51a492
kubernetes-node-windows- amd64.tar.gz	2e88bf26e1293dd733cf1bfe1f0f2dcfb5c482687cf52690488e943a

Changelog since v1.17.0-alpha.2

Action Required

• Graduate TaintNodesByCondition to GA in 1.17. (feature gate will be removed in 1.18) action required (#82703, @draveness)

- TaintNodesByCondition was graduated to GA, CheckNodeMemoryPressure, CheckNodePIDPressure, CheckNodeDiskPressure, CheckNodeCondition were accidentally removed since 1.12, the replacement is to use CheckNodeUnschedulablePred (#84152, @draveness)
- filter plugin for cloud provider storage predicate (#84148, @gongguan)
- Fixed binding of block PersistentVolumes / PersistentVolumeClaims when BlockVolume feature is off. (#84049, @jsafrane)
- Updated kube-proxy ipvs README with correct grep argument to list loaded ipvs modules (#83677, @pete911)
- Add data cache flushing during unmount device for GCE-PD driver in Windows Server. (#83591, @jingxu97)
- Adds a metric apiserver_request_error_total to kube-apiserver. This metric tallies the number of request_errors encountered by verb, group, version, resource, subresource, scope, component, and code. (#83427, @logicalhan)
- Refactor scheduler's framework permit API. (#83756, @hex108)
- The kubectl's api-resource command now has a --sort-by flag to sort resources by name or kind. (#81971, @laddng)
- Update to use go1.12.12 (#84064, @cblecker)
- Update to Ingress-GCE v1.6.1 (#84018, @rramkumar1)

- Update Cluster Autoscaler version to 1.16.2 (CA release docs: https://github.com/kubernetes/autoscaler/releases/tag/cluster-autoscaler-1.16.2) (#84038, @losipiuk)
- When scaling down a ReplicaSet, delete doubled up replicas first, where a "doubled up replica" is defined as one that is on the same node as an active replica belonging to a related ReplicaSet. ReplicaSets are considered "related" if they have a common controller (typically a Deployment). (#80004, @Miciah)
- Promote WatchBookmark feature to GA. (#83195, @wojtek-t)
 - With WatchBookmark feature, clients are able to request watch events with BOOKMARK type. Clients should not assume bookmarks are returned at any specific interval, nor may they assume the server will send any BOOKMARK event during a session.
- kubeadm no longer removes /etc/cni/net.d as it does not install it. Users should remove files from it manually or rely on the component that created them (#83950, @yastij)
- kubeadm: enhance certs check-expiration to show the expiration info of related CAs (#83932, @SataQiu)
- Add incoming pods metrics to scheduler queue. (#83577, @liu-cong)
- An end-user may choose to request logs without confirming the identity of the backing kubelet. This feature can be disabled by setting the AllowInsecureBackendProxy feature-gate to false. (#83419, @deads2k)
- Switched intstr. Type to sized integer to follow API guidelines and improve compatibility with proto libraries (#83956, @liggitt)
- Fix handling tombstones in pod-disruption-budged controller. (#83951, @zouvee)
- client-go: improved allocation behavior of the delaying workqueue when handling objects with far-future ready times. (#83945, @barkbay)
- Added the crictl Windows binaries as well as the Linux 32bit binary to the release archives (#83944, @saschagrunert)
- Fixed an issue with informers missing an Added event if a recently deleted object was immediately recreated at the same time the informer dropped a watch and relisted. (#83911, @matte21)
- Allow dynamically set glog logging level of kube-scheduler (#83910, @mrkm4ntr)
- clean duplicate GetPodServiceMemberships function (#83902, @gongguan)
- Add information from Lease object corresponding to a given Node to kubectl describe node output (#83899, @wojtek-t)
- Gives the right error message when using kubectl delete a wrong resource. (#83825, @zhouya0)
- The userspace mode of kube-proxy no longer confusingly logs messages about deleting endpoints that it is actually adding. (#83644, @danwinship)
- Add latency and request count metrics for scheduler framework. (#83569, @liu-cong)
- ETCD version monitor metrics are now marked as with the ALPHA stability level. (#83283, @RainbowMango)

- Significant kube-proxy performance improvements when using Endpoint Slices at scale. (#83206, @robscott)
- Upgrade default etcd server version to 3.3.17 (#83804, @jpbetz)

v1.17.0-alpha.2

Documentation

Downloads for v1.17.0-alpha.2

filename	sha512 hash
kubernetes.tar.gz kubernetes-src.tar.gz	37583337b992d9a5ebe5a4677e08c13617b8b9db9ee8f049773b624351c00aca44fee5be20c7fb64c58d0a69377074db05ec6889892c93ce970406cb393a1

Client Binaries

filename	sha512 hash
kubernetes-client-darwin-	4aa92894eeaedb022e5409e08784ce1bd34ba268032ef93ad4c438b6ed9f1a
386.tar.gz	
kubernetes-client-darwin- amd64.tar.gz	1815a3bdd1c13782026fced8720201dea2e518dc56a43e2b53f89341108f03
kubernetes-client-linux- 386.tar.gz	9a470907d6203e69c996f8db3cc257af23f9b35236ee2d5a87d22cd6056eef
kubernetes-client-linux- amd64.tar.gz	011d44cf35c841d331a5a0d88b8a5deb7781fa678702ac6402050d096e7239
kubernetes-client-linux- arm.tar.gz	1f45d9a9852d2b0a0420b0a26b3add9031d7d691c55660d60580614e6ab6e2
kubernetes-client-linux- arm64.tar.gz	e355f69caed044e5e27efe7ae42027e799a87ec647810fbadf644d147de2f6
kubernetes-client-linux- ppc64le.tar.gz	355e0d8c5f241bc2303c38447c241ff8f5151af51aeacf15fa2b96e2721ecc
kubernetes-client-linux- s390x.tar.gz	7cdfc6cde7922290b46f291a168519f4c923fee97968399940164a8a7d8592
kubernetes-client-windows- 386.tar.gz	7170da100b2d1d8700990c4175c7d048347b8dcc71e0ceb6c01728f5e6266d
kubernetes-client-windows- amd64.tar.gz	74484b5c841e1c57c9baf88b84a9cbf3b9865527a8723815cbe8e7384805c8

Server Binaries

filename	sha512 hash
kubernetes-server-linux- amd64.tar.gz	3fb3c5da6e45b32e8d89d4914f0b04cf95242cb0e4ea70b06a665c2975d8b6l
kubernetes-server-linux- arm.tar.gz	ff71c9a3f81f2e43d541b9b043e5f43fd30972c2b0ae5d9f3992f76effdcab2
kubernetes-server-linux- arm64.tar.gz	26b9fce5ed930ad3eea5eeab3bec3b009f65837139f7da3644aacdcccda654
kubernetes-server-linux- ppc64le.tar.gz	ad980f5efe83da1f2a202035eb1cff44ea72692fc3fc5f7d23fd8fc3b80a67
kubernetes-server-linux- s390x.tar.gz	8e1ab7abd4c13c3d4211e5dd1be63ecd482691fd2cb7b2d3492bb2a02003ec3

Node Binaries

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	c0928e414e439ba63321ce770a04ea332a4cc93ec87dd9d222fe3f5a593995
kubernetes-node-linux- arm.tar.gz	990a253ba49203348a587ca4d4acf7c25ff47a97b39519dfc7d5bdc2f3ea47
kubernetes-node-linux- arm64.tar.gz	79381ad17eefc679fb549126eba23ffa65e625d0e1fec459dd54823897947b
kubernetes-node-linux- ppc64le.tar.gz	7cfea9b9fa27dcc2024260e19d5e74db2175b491093c8906721d99c94b46af
kubernetes-node-linux- s390x.tar.gz	590bc2afd835a4a236a4a2ab2cde416aae9efdec14c34355a54b671d89308f
kubernetes-node-windows- amd64.tar.gz	4c15c7c30de0f9d921b534433332b14eb685ad8a3a416315def1cc1064b802

Changelog since v1.17.0-alpha.1

Action Required

- Expand scheduler priority functions and scheduling framework plugins' node score range to [0, 100]. action required. Note: this change is internal and does not affect extender and RequestedToCapacityRatio custom priority, which are still expected to provide a [0, 10] range. (#83522, @draveness)
- action required: kubeadm: when adding extra apiserver authorization-modes, the defaults "Node,RBAC" are no longer prepended in the resulting static Pod manifests and a full override is allowed. (#82616, @ghouscht)
- ACTION REQUIRED: kubeadm: properly enable kubelet client certificate rotation on primary control-plane nodes, created using "kubeadm init". A side effect of this change is that for external CA users, kubeadm

- now requires "bootstrap-kubelet.conf" instead of "kubelet.conf" during "kubeadm init" and its phases. (#83339, @neolit123)
- Action Required: kubeadm.k8s.io/v1beta1 has been deprecated, you should update your config to use newer non-deprecated API versions.
 (#83276, @Klaven)

- [migration phase 1] PodFitsHostPorts as filter plugin (#83659, @wgliang)
- [migration phase 1] PodFitsResources as framework plugin (#83650, @wgliang)
- Fixed attachment of AWS volumes that have just been detached. (#83567, @jsafrane)
- [migration phase 1] PodMatchNodeSelector/NodAffinity as filter plugin (#83660, @wgliang)
- Upgrade to etcd client 3.3.17 to fix bug where etcd client does not parse IPv6 addresses correctly when members are joining, and to fix bug where failover on multi-member etcd cluster fails certificate check on DNS mismatch (#83801, @jpbetz)
- Fixed panic when accessing CustomResources of a CRD with x-kubernetesint-or-string. (#83787, @sttts)
- Change pod_preemption_victims metric from Gauge to Histogram. (#83603, @Tabrizian)
- Expose SharedInformerFactory in the framework handle (#83663, @draveness)
- Add more tracing steps in generic scheduler (#83539, @wgliang)
- [migration phase 1] PodFitsHost as filter plugin (#83662, @wgliang)
- The topology manager aligns resources for pods of all QoS classes with respect to NUMA locality, not just Guaranteed QoS pods. (#83492, @ConnorDovle)
- Fix unsafe JSON construction in a number of locations in the codebase (#81158, @zouyee)
- Fixed a bug in the single-numa-node policy of the TopologyManager. Previously, pods that only requested CPU resources and did not request any third-party devices would fail to launch with a TopologyAffinity error. Now they will launch successfully. (#83697, @klueska)
- Add per-pod scheduling metrics across 1 or more schedule attempts. (#83674, @liu-cong)
- Fix validation message to mention bytes, not characters. (#80880, @DirectXMan12)
- external facing APIs in pluginregistration and deviceplugin packages are now available under k8s.io/kubelet/pkg/apis/ (#83551, @dims)
- Fix error where metrics related to dynamic kubelet config isn't registered (#83184, @odinuge)
- The VolumeSubpathEnvExpansion feature is graduating to GA. The VolumeSubpathEnvExpansion feature gate is unconditionally enabled, and

- will be removed in v1.19. (#82578, @kevtaylor)
- Openstack: Do not delete managed LB in case of security group reconciliation errors (#82264, @multi-io)
- The mutating and validating admission webhook plugins now read configuration from the admissionregistration.k8s.io/v1 API. (#80883, @liggitt)
- kubeadm: implemented structured output of 'kubeadm token list' in JSON, YAML, Go template and JsonPath formats (#78764, @bart0sh)
- kube-proxy: a configuration file specified via --config is now loaded with strict deserialization, which fails if the config file contains duplicate or unknown fields. This protects against accidentally running with config files that are malformed, mis-indented, or have typos in field names, and getting unexpected behavior. (#82927, @obitech)
- Add "podInitialBackoffDurationSeconds" and "podMaxBackoffDurationSeconds" to the scheduler config API (#81263, @draveness)
- Authentication token cache size is increased (from 4k to 32k) to support clusters with many nodes or many namespaces with active service accounts. (#83643, @lavalamp)
- Bumps the minimum version of Go required for building Kubernetes to 1.12.4. (#83596, @jktomer)
- kube-proxy iptables probabilities are now more granular and will result in better distribution beyond 319 endpoints. (#83599, @robscott)
- Fixed the bug that deleted services were processed by EndpointSliceController repeatedly even their cleanup were successful. (#82996, @tnqn)
- If a bad flag is supplied to a kubectl command, only a tip to run -help is printed, instead of the usage menu. Usage menu is printed upon running kubectl command --help. (#82423, @sallyom)
- If container fails because ContainerCannotRun, do not utilize the Fallback-ToLogsOnError TerminationMessagePolicy, as it masks more useful logs. (#81280, @yqwang-ms)
- Fixed cleanup of raw block devices after kubelet restart. (#83451, @jsafrane)
- Commands like kubectl apply now return errors if schema-invalid annotations are specified, rather than silently dropping the entire annotations section. (#83552, @liggitt)
- Expose kubernetes client in the scheduling framework handle. (#82432, @draveness)
- • kubeadm: fix wrong default value for the "upgrade node –certificate-renewal" flag. (#83528, @neolit123)
- IP validates if a string is a valid IP address (#83104, @zouvee)
- The --certificate-authority flag now correctly overrides existing skip TLS or CA data settings in the kubeconfig file (#83547, @liggitt)
- hyperkube will now be available in a new github repository and will not be included in the kubernetes release from 1.17 onwards (#83454, @dims)
- more complete and accurate logging of stack backtraces in E2E failures (#82176, @pohly)
- Kubeadm: add support for 127.0.0.1 as advertise address. kubeadm will

- automatically replace this value with matching global unicast IP address on the loopback interface. (#83475, @fabriziopandini)
- Rename PluginContext to CycleState in the scheduling framework (#83430, @draveness)
- kube-scheduler: a configuration file specified via --config is now loaded with strict deserialization, which fails if the config file contains duplicate or unknown fields. This protects against accidentally running with config files that are malformed, mis-indented, or have typos in field names, and getting unexpected behavior. (#83030, @obitech)
- Significant kube-proxy performance improvements for non UDP ports. (#83208, @robscott)
- Fixes a flaw (CVE-2019-11253) in json/yaml decoding where large or malformed documents could consume excessive server resources. Request bodies for normal API requests (create/delete/update/patch operations of regular resources) are now limited to 3MB. (#83261, @liggitt)

v1.17.0-alpha.1

Documentation

Downloads for v1.17.0-alpha.1

filename	sha512 hash
kubernetes.tar.gz	40985964b5f4b1e1eb448a8ca61ae5fe05b76cf4e97a4a6b0df0f7933071239
kubernetes-src.tar.gz	475dfeb8544804dcc206f2284205fb1ee0bcb73169419be5e548ff91ffe6a3

Client Binaries

filename	sha512 hash
kubernetes-client-darwin-	3f894661ed9b6ed3e75b6882e6c3e4858325f3b7c5c83cb8f7f632a8c8f30d
386. tar. gz	
kubernetes-client-darwin-	f3070d79b0835fdc0791bbc31a334d8b46bf1bbb02f389c871b31063417598
amd64.tar.gz	
kubernetes-client-linux-	64e8961fa32a18a780e40b753772c6794c90a6dd5834388fd67564bb36f530
386. tar. gz	
kubernetes-client-linux-	d7ba0f5f4c879d8dcd4404a7c18768190f82985425ab394ddc832ee71c407d
amd64.tar.gz	
kubernetes-client-linux-	36fc47ee9530ee8a89d64d4be6b78b09831d0838a01b63d2a824a9e7dd0c21
arm.tar.gz	
kubernetes-client-linux-	a0a8fba0f4424f0a1cb7bad21244f47f98ba717165eaa49558c2612e1949a1
arm64.tar.gz	
kubernetes-client-linux-	eaae9ed0cc8c17f27cff31d92c95c11343b9f383de27e335c83bfdf236e6da
ppc64le.tar.gz	

filename	sha512 hash
kubernetes-client-linux- s390x.tar.gz	994cf2dc42d20d36956a51b98dde31a00eae3bd853f7be4fbc32f48fec7b323
kubernetes-client-windows- 386.tar.gz	68ebe4abea5a174eb189caea567e24e87cca57e7fbc9f8ec344aafbaf48c892
kubernetes-client-windows- amd64.tar.gz	f29cd3caf5b40622366eae87e8abb47bea507f275257279587b507a00a858de

Server Binaries

filename	sha512 hash	
kubernetes-server-linux- amd64.tar.gz	93e560e8572c6a593583d20a35185b93d04c9	50e6b1980a7b40ca5798958d18
kubernetes-server-linux- arm.tar.gz	fe2af93336280e1251f97afecbdfb7416fd9d	d7d08b3e5539abeea8ccaf7114
kubernetes-server-linux- arm64.tar.gz	efc32c8477efda554d8e82d6e52728f58e706	d3d53d1072099b3297c310632e
kubernetes-server-linux- ppc64le.tar.gz	bda4fce6f5be7d0102ff265e0ba10e4dab776	caeba1cebdf57db9891a34b497
kubernetes-server-linux- s390x.tar.gz	655c7157176f4f972c80877d73b0e390aaff4	55a5dcd046b469eb0f07d18ea1

filename	sha512 hash
kubernetes-node-linux- amd64.tar.gz	1ec25c0350973ed06f657f2b613eb07308a9a4f0af7e72ebc5730c3c8d39ce
kubernetes-node-linux- arm.tar.gz	c65ac3db834596bcb9e81ffa5b94493244385073a232e9f7853759bce2b96a
kubernetes-node-linux- arm64.tar.gz	0de8af66269db1ef7513f92811ec52a780abb3c9c49c0a4de9337eb987119b
kubernetes-node-linux- ppc64le.tar.gz	adb43c68cd5d1d52f254a14d80bb66667bfc8b367176ff2ed242184cf0b5ac
kubernetes-node-linux- s390x.tar.gz	1c834cfc06b9ba4a6da3bca2d504b734c935436546bc9304c7933e256dba84
kubernetes-node-windows- amd64.tar.gz	6fc54fd17ebb65a6bd3d4efe93a713cc2aaea54599ddd3d73d01e93d648408

Changelog since v1.16.0

Action Required

- The deprecated feature gates GCERegionalPersistentDisk, EnableAggregatedDiscoveryTimeout and PersistentLocalVolumes are now unconditionally enabled and can no longer be specified in component invocations. (#82472, @draveness)
- ACTION REQUIRED: (#81668, @darshanime)
 - Deprecate the default service IP CIDR. The previous default was 10.0.0.0/24 which will be removed in 6 months/2 releases.
 Cluster admins must specify their own desired value, by using --service-cluster-ip-range on kube-apiserver.
- Remove deprecated "include-uninitialized" flag. action required (#80337, @draveness)

- Bump version of event-exporter to 0.3.1, to switch it to protobuf. (#83396, @loburm)
- kubeadm: use the —service-cluster-ip-range flag to init or use the Service-Subnet field in the kubeadm config to pass a comma separated list of Service CIDRs. (#82473, @Arvinderpal)
- Remove MaxPriority in the scheduler API, please use MaxNodeScore or MaxExtenderPriority instead. (#83386, @draveness)
- Fixes a goroutine leak in kube-a piserver when a request times out. (#83333, @lavalamp)
- Some scheduler extender API fields are moved from pkg/scheduler/api to pkg/scheduler/apis/extender/v1. (#83262, @Huang-Wei)
- Fix aggressive VM calls for Azure VMSS (#83102, @feiskyer)
- Update Azure load balancer to prevent orphaned public IP addresses (#82890, @chewong)
- Use online nodes instead of possible nodes when discovering available NUMA nodes (#83196, @zouyee)
- Fix typos in certificates.k8s.io/v1beta1 KeyUsage constant names: UsageContentCommittment becomes UsageContentCommitment and UsageNetscapSGC becomes UsageNetscapeSGC. (#82511, @abursavich)
- Fixes the bug in informer-gen that it produces incorrect code if a type has nonNamespaced tag set. (#80458, @tatsuhiro-t)
- Update to go 1.12.10 (#83139, @cblecker)
- Update crictl to v1.16.1. (#82856, @Random-Liu)
- Reduces the number of calls made to the Azure API when requesting the instance view of a virtual machine scale set node. (#82496, @hasheddan)
- Consolidate ScoreWithNormalizePlugin into the ScorePlugin interface (#83042, @draveness)
- On AWS nodes with multiple network interfaces, kubelet should now more reliably report the same primary node IP. (#80747, @danwinship)
- Fixes kube-proxy bug accessing self nodeip:port on windows (#83027,

@liggitt)

- Resolves bottleneck in internal API server communication that can cause increased goroutines and degrade API Server performance (#80465, @answer1991)
- The deprecated mondo kubernetes-test tarball is no longer built. Users running Kubernetes e2e tests should use the kubernetes-test-portable and kubernetes-test-{OS}-{ARCH} tarballs instead. (#83093, @ixdy)
- Improved performance of kube-proxy with EndpointSlice enabled with more efficient sorting. (#83035, @robscott)
- New APIs to allow adding/removing pods from pre-calculated prefilter state in the scheduling framework (#82912, @ahg-g)
- Conformance tests may now include disruptive tests. If you are running tests against a live cluster, consider skipping those tests tagged as Disruptive to avoid non-test workloads being impacted. Be aware, skipping any conformance tests (even disruptive ones) will make the results ineligible for consideration for the CNCF Certified Kubernetes program. (#82664, @johnSchnake)
- Resolves regression generating informers for packages whose names contain . characters (#82410, @nikhita)
- Added metrics 'authentication_latency_seconds' that can be used to understand the latency of authentication. (#82409, @RainbowMango)
- kube-dns add-on: (#82347, @pjbgf)
 - * All containers are now being executed under more restrictive privileges.
 - * Most of the containers now run as non-root user and has the root filesystem set as read-only.
 - * The remaining container running as root only has the minimum Linux capabilities it requires to run.
 - * Privilege escalation has been disabled for all containers.
- k8s docker configjson secrets are now compatible with docker config desktop authentication credentials files $(\#82148,\,@bbourbie)$
- Use ipv4 in wincat port forward. (#83036, @liyanhui1228)
- Added Clone method to the scheduling framework's PluginContext and ContextData. (#82951, @ahg-g)
- Bump metrics-server to v0.3.5 (#83015, @olagacek)
- dashboard: disable the dashboard Deployment on non-Linux nodes. This step is required to support Windows worker nodes. (#82975, @wawa0210)
- Fix possible fd leak and closing of dirs when using open stack (#82873, @odinuge)
- PersistentVolumeLabel admission plugin, responsible for labeling PersistentVolumes with topology labels, now does not overwrite existing labels on PVs that were dynamically provisioned. It trusts the dynamic provisioning that it provided the correct labels to the PersistentVolume, saving one potentially expensive cloud API call. PersistentVolumes created manually by users are labelled by the admission plugin in the same way as before. (#82830, @jsafrane)

- Fixes a panic in kube-controller-manager cleaning up bootstrap tokens (#82887, @tedyu)
- Fixed a scheduler panic when using PodAffinity. (#82841, @Huang-Wei)
- Modified the scheduling framework's Filter API. (#82842, @ahg-g)
- Fix panic in kubelet when running IPv4/IPv6 dual-stack mode with a CNI plugin (#82508, @aanm)
- Kubernetes no longer monitors firewalld. On systems using firewalld for firewall (#81517, @danwinship)
 - maintenance, kube-proxy will take slightly longer to recover from disruptive
 - firewalld operations that delete kube-proxy's iptables rules.
- Added cloud operation count metrics to azure cloud controller manager. (#82574, @kkmsft)
- Report non-confusing error for negative storage size in PVC spec. (#82759, @sttts)
- When registering with a 1.17+ API server, MutatingWebhookConfiguration and ValidatingWebhookConfiguration objects can now request that only v1 AdmissionReview requests be sent to them. Previously, webhooks were required to support receiving v1beta1 AdmissionReview requests as well for compatibility with API servers <= 1.15. (#82707, @liggitt) * When registering with a 1.17+ API server, a CustomResourceDefinition conversion webhook can now request that only v1 ConversionReview requests be sent to them. Previously, conversion webhooks were required to support receiving v1beta1 ConversionReview requests as well for compatibility with API servers <= 1.15.
- Resolves issue with /readyz and /livez not including etcd and kms health checks (#82713, @logicalhan)
- fix: azure disk detach failure if node not exists (#82640, @andyzhangx)
- Single static pod files and pod files from http endpoints cannot be larger than 10 MB. HTTP probe payloads are now truncated to 10KB. (#82669, @rphillips)
- Restores compatibility with <=1.15.x custom resources by not publishing OpenAPI for non-structural custom resource definitions (#82653, @liggitt)
- Take the context as the first argument of Schedule. (#82119, @wgliang)
- Fixes regression in logging spurious stack traces when proxied connections are closed by the backend (#82588, @liggitt)
- Correct a reference to a not/no longer used kustomize subcommand in the documentation (#82535, @demobox)
- Limit the body length of exec readiness/liveness probes. remote CRIs and Docker shim read a max of 16MB output of which the exec probe itself inspects 10kb. (#82514, @dims)
- fixed an issue that the correct PluginConfig.Args is not passed to the corresponding PluginFactory in kube-scheduler when multiple PluginConfig items are defined. (#82483, @everpeace)
- Adding TerminationGracePeriodSeconds to the test framework API (#82170, @vivekbagade)

 \bullet /test/e2e/framework: Adds a flag "non-blocking-taints" which allows tests to run in environments with tainted nodes. String value should be a comma-separated list. (#81043, @johnSchnake)