Docker Engine 18.03 release notes

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2018-04-26

Client

- Fix error with merge compose file with networks docker/cli#983
- Fix docker stack deploy re-deploying services after the service was updated with `--force` docker/cli#963
- Fix docker version output alignment docker/cli#965

Runtime

- Fix AppArmor profiles not being applied to `docker exec` processes moby/moby#36466
- Don't sort plugin mount slice moby/moby#36711

- Daemon/cluster: handle partial attachment entries during configure moby/moby#36769
- Bump Golang to 1.9.5 moby/moby#36779 docker/cli#986
- Daemon/stats: more resilient cpu sampling moby/moby#36519
- Containerd: update to 1.0.3 release moby/moby#36749
- Fix Windows layer leak when write fails moby/moby#36728
- Don't make container mount unbindable moby/moby#36768
- Fix Daemon panics on container export after a daemon restart moby/moby/36586
- Fix digest cache being removed on autherrors moby/moby#36509
- Make sure plugin container is removed on failure moby/moby#36715
- Copy: avoid using all system memory with authz plugins moby/moby#36595
- Relax some libcontainerd client locking moby/moby#36848
- Update `hcsshim` to v0.6.10 to address CVE-2018-8115

Swarm Mode

- Increase raft Election tick to 10 times Heartbeat tick moby/moby#36672

Networking

- Gracefully remove LB endpoints from services docker/libnetwork#2112
- Retry other external DNS servers on ServFail docker/libnetwork#2121
- Improve scalability of bridge network isolation rules docker/libnetwork#2117
- Allow for larger preset property values, do not override docker/libnetwork#2124
- Prevent panics on concurrent reads/writes when calling `changeNodeState` docker/libnetwork#2136

18.03.0-ce

2018-03-21

Builder

- Switch to -buildmode=pie moby/moby#34369
- Allow Dockerfile to be outside of build-context docker/cli#886
- Builder: fix wrong cache hits building from tars moby/moby#36329

- Fixes files leaking to other images in a multi-stage build moby/moby#36338

Client

- Simplify the marshaling of compose types.Config docker/cli#895

- Add support for multiple composefile when deploying docker/cli#569

- Fix broken Kubernetes stack flags docker/cli#831
- Fix stack marshaling for Kubernetes docker/cli#890
- Fix and simplify bash completion for service env, mounts and labels docker/cli#682
- Fix `before` and `since` filter for `docker ps` moby/moby#35938
- Fix `--label-file` weird behavior docker/cli#838
- Fix compilation of defaultCredentialStore() on unsupported platforms docker/cli#872

- Improve and fix bash completion for images docker/cli#717

- Added check for empty source in bind mount docker/cli#824

- Fix TLS from environment variables in client moby/moby#36270

- docker build now runs faster when registry-specific credential helper(s) are configured docker/cli#840
- Update event filter zsh completion with `disable`, `enable`, `install` and `remove` docker/cli#372
- Produce errors when empty ids are passed into inspect calls moby/moby#36144
- Marshall version for the k8s controller docker/cli#891
- Set a non-zero timeout for HTTP client communication with plugin backend docker/cli#883

- Add DOCKER_TLS environment variable for --tls option docker/cli#863
- Add --template-driver option for secrets/configs docker/cli#896

- Move `docker trust` commands out of experimental docker/cli#934 docker/cli#935 docker/cli#944

Logging

- AWS logs - don't add new lines to maximum sized events moby/moby#36078
- Move log validator logic after plugins are loaded moby/moby#36306
- Support a proxy in Splunk log driver moby/moby#36220
- Fix log tail with empty logs moby/moby#36305

Networking

- Libnetwork revendoring moby/moby#36137
- Fix for deadlock on exit with Memberlist revendor docker/libnetwork#2040
- Fix user specified ndots option docker/libnetwork#2065
- Fix to use ContainerID for Windows instead of SandboxID docker/libnetwork#2010
- Verify NetworkingConfig to make sure EndpointSettings is not nil moby/moby#36077
- Fix `DockerNetworkInternalMode` issue moby/moby#36298
- Fix race in attachable network attachment moby/moby#36191
- Fix timeout issue of `InspectNetwork` on AArch64 moby/moby#36257
- Verbose info is missing for partial overlay ID moby/moby#35989
- Update `FindNetwork` to address network name duplications moby/moby#30897
- Disallow attaching ingress network docker/swarmkit#2523
- Prevent implicit removal of the ingress network moby/moby#36538
- Fix stale HNS endpoints on Windows moby/moby#36603
- IPAM fixes for duplicate IP addresses docker/libnetwork#2104 docker/libnetwork#2105

Runtime

- Enable HotAdd for Windows moby/moby#35414
- LCOW: Graphdriver fix deadlock in hotRemoveVHDs moby/moby#36114
- LCOW: Regular mount if only one layer moby/moby#36052
- Remove interim env var LCOW_API_PLATFORM_IF_OMITTED moby/moby#36269
- Revendor Microsoft/opengcs @ v0.3.6 moby/moby#36108

- Fix issue of ExitCode and PID not show up in Task.Status.ContainerStatus moby/moby#36150
- Fix issue with plugin scanner going too deep moby/moby#36119

- Do not make graphdriver homes private mounts moby/moby#36047
- Do not recursive unmount on cleanup of zfs/btrfs moby/moby#36237
- Don't restore image if layer does not exist moby/moby#36304
- Adjust minimum API version for templated configs/secrets moby/moby#36366
- Bump containerd to 1.0.2 (cfd04396dc68220d1cecbe686a6cc3aa5ce3667c) moby/moby#36308
- Bump Golang to 1.9.4 moby/moby#36243
- Ensure daemon root is unmounted on shutdown moby/moby#36107
- Update runc to 6c55f98695e902427906eed2c799e566e3d3dfb5 moby/moby#36222

- Fix container cleanup on daemon restart moby/moby#36249

- Support SCTP port mapping (bump up API to v1.37) moby/moby#33922
- Support SCTP port mapping docker/cli#278

- Fix Volumes property definition in ContainerConfig moby/moby#35946

- Bump moby and dependencies docker/cli#829
- C.RWLayer: check for nil before use moby/moby#36242

- Add `REMOVE` and `ORPHANED` to TaskState moby/moby#36146

- Fixed error detection using `IsErrNotFound` and `IsErrNotImplemented` for `ContainerStatPath`, `CopyFromContainer`, and `CopyToContainer` methods moby/moby#35979

- Add an integration/internal/container helper package moby/moby#36266
- Add canonical import path moby/moby#36194
- Add/use container.Exec() to integration moby/moby#36326

- Fix "--node-generic-resource" singular/plural moby/moby#36125

- Daemon.cleanupContainer: nullify container RWLayer upon release moby/moby#36160
- Daemon: passdown the `--oom-kill-disable` option to containerd moby/moby#36201
- Display a warn message when there is binding ports and net mode is host moby/moby#35510
- Refresh containerd remotes on containerd restarted moby/moby#36173
- Set daemon root to use shared propagation moby/moby#36096
- Optimizations for recursive unmount moby/moby#34379
- Perform plugin mounts in the runtime moby/moby#35829
- Graphdriver: Fix RefCounter memory leak moby/moby#36256
- Use continuity fs package for volume copy moby/moby#36290
- Use proc/exe for reexec moby/moby#36124

- Add API support for templated secrets and configs moby/moby#33702 and moby/moby#36366

- Use rslave propagation for mounts from daemon root moby/moby#36055

- Add /proc/keys to masked paths moby/moby#36368

- Bump Runc to 1.0.0-rc5 moby/moby#36449

- Fixes `runc exec` on big-endian architectures moby/moby#36449

- Use chroot when mount namespaces aren't provided moby/moby#36449

- Fix systemd slice expansion so that it could be consumed by cAdvisor moby/moby#36449
- Fix devices mounted with wrong uid/gid moby/moby#36449
- Fix read-only containers with IPC private mounts `/dev/shm` read-only moby/moby#36526

Swarm Mode

- Replace EC Private Key with PKCS#8 PEMs docker/swarmkit#2246
- Fix IP overlap with empty EndpointSpec docker/swarmkit #2505
- Add support for Support SCTP port mapping docker/swarmkit#2298

- Do not reschedule tasks if only placement constraints change and are satisfied by the assigned node docker/swarmkit#2496
- Ensure task reaper stopChan is closed no more than once docker/swarmkit #2491
- Synchronization fixes docker/swarmkit#2495
- Add log message to indicate message send retry if streaming unimplemented docker/swarmkit#2483
- Debug logs for session, node events on dispatcher, heartbeats docker/swarmkit#2486
- Add swarm types to bash completion event type filter docker/cli#888
- Fix issue where network inspect does not show Created time for networks in swarm scope moby/moby#36095

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