Docker Engine 18.06 release notes

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2019-02-19

Security fixes for Docker Engine

- Change how the `runc` critical vulnerability patch is applied to include the fix in RPM packages. docker/engine#156

18.06.2

2019-02-11

Security fixes for Docker Engine

- Update `runc` to address a critical vulnerability that allows specially-crafted containers to gain administrative privileges on the host. CVE-2019-5736
- Ubuntu 14.04 customers using a 3.13 kernel will need to upgrade to a supported Ubuntu 4.x kernel

18.06.1-ce

2018-08-21

Builder

- Fix no error if build args are missing during docker build. docker/engine#25
- Set BuildKit's ExportedProduct variable to show useful errors. docker/engine#21

Client

- Various shell completion script updates: docker/cli#1229, docker/cli#1268, and docker/cli#1272
- Fix `DOCKER_CONFIG` warning message and fallback search. docker/cli#1241
- Fix help message flags on `docker stack` commands and sub-commands. docker/cli#1267

Runtime

- Disable CRI plugin listening on port 10010 by default. docker/engine#29
- Update containerd to v1.1.2. docker/engine#33

- Windows: Do not invoke HCS shutdown if terminate called. docker/engine#31
- Windows: Select polling-based watcher for Windows log watcher. docker/engine#34

Swarm Mode

- Fix the condition used for skipping over running tasks. docker/swarmkit#2677
- Fix task sorting. docker/swarmkit#2712

18.06.0-ce

2018-07-18

Important notes about this release

- Docker 18.06 CE will be the last release with a 4-month maintenance lifecycle. The planned Docker 18.09 CE release will be supported for 7 months with Docker 19.03 CE being the next release in line. More details about the release process can be found here.

Builder

- Builder: fix layer leak on multi-stage wildcard copy. moby/moby#37178
- Fix parsing of invalid environment variable substitution . moby/moby#37134
- Builder: use the arch info from base image. moby/moby#36816 moby/moby#37197
- New experimental builder backend based on BuildKit. To enable, run daemon in experimental mode and set `DOCKER_BUILDKIT=1` environment variable on the docker CLI. moby/moby#37151 docker/cli#1111
- Fix handling uppercase targets names in multi-stage builds. moby/moby#36960

Client

- Bump spf13/cobra to v0.0.3, pflag to v1.0.1. moby/moby#37106
- Add support for the new Stack API for Kubernetes v1beta2. docker/cli#899

- K8s: more robust stack error detection on deploy. docker/cli#948
- Support for rollback config in compose 3.7. docker/cli#409
- Update Cobra and pflag, and use built-in --version feature. docker/cli#1069
- Fix `docker stack deploy --prune` with empty name removing all services. docker/cli#1088
- [Kubernetes] stack services filters. docker/cli#1023

- Only show orchestrator flag in root, stack and version commands in help. docker/cli#1106
- Add an `Extras` field on the compose config types. docker/cli#1126
- Add options to the compose loader. docker/cli#1128

- Fix always listing nodes in docker stack ps command on Kubernetes. docker/cli#1093
- Fix output being shown twice on stack rm error message. docker/cli#1093

- Extend client API with custom HTTP requests. moby/moby#37071
- Changed error message for unreadable files to clarify possibility of a .Dockerignore entry. docker/cli#1053
- Restrict kubernetes.allNamespaces value to 'enabled' or 'disabled' in configuration file. docker/cli#1087
- Check errors when initializing the docker client in the help command. docker/cli#1119
- Better namespace experience with Kubernetes. Fix using namespace defined in ~/.kube/config for stack commands. Add a NAMESPACE column for docker stack ls command. Add a --all-namespaces flag for docker stack ls command. docker/cli#991
- Export Push and Save. docker/cli#1123
- Export pull as a public function. docker/cli#1026
- Remove Kubernetes commands from experimental. docker/cli#1068
- Adding configs/secrets to service inspect pretty. docker/cli#1006

- Fix service filtering by name on Kubernetes. docker/cli#1101
- Fix component information alignment in `docker version`. docker/cli#1065
- Fix cpu/memory limits and reservations being reset on service update. docker/cli#1079

- Manifest list: request specific permissions. docker/cli#1024
- Setting --orchestrator=all also sets --all-namespaces unless specific --namespace are set. docker/cli#1059

- Fix panics when --compress and --stream are used together. docker/cli#1105

- Switch from x/net/context to context. docker/cli#1038

- Add --init option to `docker service create`. docker/cli#479
- Fixed bug displaying garbage output for build command when --stream and --quiet flags combined. docker/cli#1090
- Add `init` support in 3.7 schema. docker/cli#1129

- Fix docker trust signer removal. docker/cli#1112
- Fix error message from docker inspect. docker/cli#1071

- Allow `x-*` extension on 3rd level objects. docker/cli#1097
- An invalid orchestrator now generates an error instead of being silently ignored. docker/cli#1055
- Added ORCHESTRATOR column to docker stack ls command. docker/cli#973
- Warn when using host-ip for published ports for services. docker/cli#1017

- Added the option to enable experimental cli features through the `DOCKER_CLI_EXPERIMENTAL` environment variable. docker/cli#1138
- Add exec_die to the list of known container events. docker/cli#1028

- [K8s] Do env-variable expansion on the uninterpreted Config files. docker/cli#974

- Print warnings on stderr for each unsupported features while parsing a compose file for deployment on Kubernetes. docker/cli#903
- Added description about pids count. docker/cli#1045

- Warn user of filter when pruning. docker/cli#1043
- Fix `--rollback-*` options overwriting `--update-*` options. docker/cli#1052

- Update Attach, Build, Commit, Cp, Create subcommand fish completions. docker/cli#1005

- Add bash completion for `dockerd --default-address-pool`. docker/cli#1173
- Add bash completion for `exec_die` event. docker/cli#1173

- Update docker-credential-helper so `pass` is not called on every docker command. docker/cli#1184
- Fix for rotating swarm external CA. docker/cli#1199
- Improve version output alignment. docker/cli#1207

- Add bash completion for `service create|update --init`. docker/cli#1210

Deprecation

- Document reserved namespaces deprecation. docker/cli#1040

Logging

- Allow awslogs to use non-blocking mode. moby/moby#36522
- Improve logging of long log lines on fluentd log driver.. moby/moby#36159
- Re-order CHANGELOG.md to pass `make validate` test. moby/moby#37047
- Update Events, Exec, Export, History, Images, Import, Inspect, Load, and Login subcommand fish completions. docker/cli#1061
- Update documentation for RingLogger's ring buffer. moby/moby#37084

- Add metrics for log failures/partials. moby/moby#37034

- Fix logging plugin crash unrecoverable. moby/moby#37028
- Fix logging test type. moby/moby#37070
- Fix race conditions in logs API. moby/moby#37062
- Fix some issues in logfile reader and rotation. moby/moby#37063

Networking

- Allow user to specify default address pools for docker networks. moby/moby#36396 docker/cli#818
- Adding logs for ipam state docker/libnetwork#2417
- Fix race conditions in the overlay network driver docker/libnetwork#2143
- Add wait time into xtables lock warning docker/libnetwork#2142
- filter xtables lock warnings when firewalld is active docker/libnetwork#2135
- Switch from x/net/context to context docker/libnetwork#2140
- Adding a recovery mechanism for a split gossip cluster docker/libnetwork#2134
- Running docker inspect on network attachment tasks now returns a full task object. moby/moby#35246
- Some container/network cleanups. moby/moby#37033

- Fix network inspect for overlay network. moby/moby#37045

- Improve Scalability of the Linux load balancing. docker/engine#16
- Change log level from error to warning. docker/engine#19

Runtime

- Aufs: log why aufs is not supported. moby/moby#36995
- Hide experimental checkpoint features on Windows. docker/cli#1094
- Lcow: Allow the client to customize capabilities and device cgroup rules for LCOW containers. moby/moby#37294
- Changed path given for executable output in windows to actual location of executable output. moby/moby#37295

- Add windows recycle bin test and update hcsshim to v0.6.11. moby/moby#36994

- Allow to add any args when doing a make run. moby/moby#37190
- Optimize ContainerTop() aka docker top. moby/moby#37131

- Fix compilation on 32bit machines. moby/moby#37292

- Update API version to v1 38. moby/moby#37141

- Fix `docker service update --host-add` does not update existing host entry. docker/cli#1054
- Fix swagger file type for ExecIds. moby/moby#36962
- Fix swagger volume type generation. moby/moby#37060
- Fix wrong assertion in volume/service package. moby/moby#37211
- Fix daemon panic on restart when a plugin is running. moby/moby#37234

- Construct and add 'LABEL' command from 'label' option to last stage. moby/moby#37011

- Fix race condition between exec start and resize.. moby/moby#37172

- Alternative failure mitigation of `TestExecInteractiveStdinClose`. moby/moby#37143
- RawAccess allows a set of paths to be not set as masked or readonly. moby/moby#36644
- Be explicit about github.com prefix being a legacy feature. moby/moby#37174
- Bump Golang to 1.10.3. docker/cli#1122
- Close ReadClosers to prevent xz zombies. moby/moby#34218
- Daemon.ContainerStop(): fix for a negative timeout. moby/moby#36874

- Daemon.setMounts(): copy slice in place. moby/moby#36991
- Describe IP field of swagger Port definition. moby/moby#36971
- Extract volume interaction to a volumes service. moby/moby#36688
- Fixed markdown formatting in docker image v1, v1.1, and v1.2 spec. moby/moby#37051
- Improve GetTimestamp parsing. moby/moby#35402
- Jsonmessage: pass message to aux callback. moby/moby#37064
- Overlay2: remove unused cdMountFrom() helper function. moby/moby#37041

- Overlay: Fix overlay storage-driver silently ignoring unknown storage-driver options. moby/moby#37040

- Remove some unused contrib items. moby/moby#36977
- Restartmanager: do not apply restart policy on created containers. moby/moby#36924
- Set item-type for ExecIDs. moby/moby#37121
- Use go-systemd const instead of magic string in Linux version of dockerd. moby/moby#37136
- Use stdlib TLS dialer. moby/moby#36687
- Warn when an engine label using a reserved namespace (com.docker.*, io.docker.*, or org.dockerproject.*) is configured, as per Docker object labels. moby/moby#36921

- Fix missing plugin name in message. moby/moby#37052
- Fix link anchors in CONTRIBUTING.md. moby/moby#37276
- Fix link to Docker Toolbox. moby/moby#37240
- Fix mis-used skip condition. moby/moby#37179
- Fix bind mounts not working in some cases. moby/moby#37031
- Fix fd leak on attach. moby/moby#37184
- Fix fluentd partial detection. moby/moby#37029
- Fix incorrect link in version-history.md. moby/moby#37049

- Allow vim to be case insensitive for D in dockerfile. moby/moby#37235

- Add `t.Name()` to tests so that service names are unique. moby/moby#37166
- Add additional message when backendfs is extfs without d_type support. moby/moby#37022
- Add api version checking for tests from new feature. moby/moby#37169
- Add image metrics for push and pull. moby/moby#37233
- Add support for `init` on services. moby/moby#37183

- Add verification of escapeKeys array length in pkg/term/proxy.go. moby/moby#36918
- When link id is empty for overlay2, do not remove this link.. moby/moby#36161
- Fix build on OpenBSD by defining Self(). moby/moby#37301
- Windows: Fix named pipe support for hyper-v isolated containers. docker/engine#2 docker/cli#1165
- Fix manifest lists to always use correct size. docker/cli#1183
- Register OCI media types. docker/engine#4
- Update containerd to v1.1.1 docker/engine#17
- LCOW: Prefer Windows over Linux in a manifest list. docker/engine#3
- Add updated `MaskPaths` that are used in code paths directly using containerd to address CVE-2018-10892. docker/engine#15
- Add `/proc/acpi` to masked paths to address CVE-2018-10892. docker/engine#14
- Fix bindmount autocreate race. docker/engine#11

Swarm Mode

- List stacks for both Swarm and Kubernetes with --orchestrator=all in docker stack ls. Allow several occurrences of --namespace for Kubernetes with docker stack ls. docker/cli#1031
- Bump SwarmKit to remove deprecated grpc metadata wrappers. moby/moby#36905
- Issue an error for --orchestrator=all when working on mismatched Swarm and Kubernetes hosts. docker/cli#1035
- Fix broken swarm commands with Kubernetes defined as orchestrator. "--orchestrator" flag is no longer global but local to stack commands and subcommands docker/cli#1137 docker/cli#1139
- Bump swarmkit to include task reaper fixes and more metrics. docker/engine#13
- Avoid a leak when a service with unassigned tasks is deleted. docker/engine#27
- Fix racy batching on the dispatcher. docker/engine#27

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