PRs closed in this release of flutter/flutter

From Fri Jun 21 22:31:55 2019 -0400 to Sun Aug 18 12:22:00 2019 -0700

[28090](#) Ensure that cache dirs and files have appropriate permissions (cla: yes, tool)

[29489](#) Made a few grammatical changes (cla: yes, team)

[32511](#) Rendering errors with root causes in the widget layer should have a reference to the widget (cla: yes, customer: countless, customer: headline, framework)

[32770](#) Dismiss modal with any button press (a: desktop, cla: yes, framework)

[32816](#) Add initial implementation of flutter assemble (cla: yes, tool)

[33140](#) flutter/tests support (cla: yes, team)

[33281](#) Update TextStyle and StrutStyle height docs (a: typography, cla: yes, d: api docs, framework, severe: API break)

[33688](#) Part 1: Skia Gold Testing (a: tests, cla: yes, framework)

[33936](#) New parameter for RawGestureDetector to customize semantics mapping (cla: yes, f: gestures, framework)

[34019](#) Selectable Text (a: text input, cla: yes, customer: amplify, customer: fuchsia, framework, severe: API break)

[34202](#) Remove `_debugWillReattachChildren` assertions from `_TableElement` (cla: yes, customer: payouts, framework)

[34252](#) Integrate dwds into flutter tool for web support (cla: yes, tool, ⚙ platform-web)

[34298](#) Preserving SafeArea : Part 2 (cla: yes, customer: solaris, framework, severe: customer critical, waiting for tree to go green)

[34301](#) Make it possible to override the FLUTTER_TEST env variable (a: tests, cla: yes, customer: mulligan (g3), team, tool)

[34515](#) OutlineInputBorder adjusts for borderRadius that is too large (a: text input, cla: yes, f: material design, framework)

[34516](#) [flutter_tool] Fill in Fuchsia version string (cla: yes, tool)

[34573](#) Ensures flutter jar is added to all build types on plugin projects (cla: yes, t: gradle, tool, waiting for tree to go green)

[34597](#) [Material] Update slider gallery demo, including range slider (cla: yes, f: material design, framework)

[34599](#) [Material] ToggleButtons (cla: yes, f: material design, framework, severe: new feature)

[34624](#) Break down flutter doctor validations and results (cla: yes, t: flutter doctor, tool)

[34626](#) AsyncSnapshot.data to throw if error or no data (cla: yes, framework)

[34660](#) Add --target support for Windows and Linux (cla: yes, tool)

[34665](#) Selection handles position is off (a: text input, cla: yes, framework, severe: API break)

[34669](#) Bundle ios dependencies (cla: yes, tool)

34676 Enable selection by default for password text field and expose api to... (a: text input, cla: yes, f: cupertino, f: material design, framework)

34712 Fix FocusTraversalPolicy makes focus lost (a: desktop, cla: yes, framework)

34723 CupertinoTextField vertical alignment (cla: yes, f: cupertino, framework)

34752 [linux] Receives the unmodified characters obtained from GLFW (a: desktop, cla: yes, framework)

34785 Tweak the display name of emulators (cla: yes, tool)

34794 Add `emulatorID` field to devices in daemon (cla: yes, tool)

34823 Introduce image loading performance test. (a: tests, cla: yes, framework)

34869 [Material] Properly call onChangeStart and onChangeEnd in Range Slider (cla: yes, f: material design, framework)

34870 Add test case for Flutter Issue #27677 as a benchmark. (cla: yes, engine, framework, severe: performance)

34872 [Material] Support for hovered, focused, and pressed border color on `OutlineButton` s (cla: yes, f: material design, framework)

34877 More shards (a: tests, cla: yes, team, waiting for tree to go green)

34885 Reland: rename web device (cla: yes, tool)

34895 Remove flutter_tools support for old AOT snapshotting (cla: yes)

34896 Allow multi-root web builds (cla: yes, tool)

34906 Fix unused [applicationIcon] property on [showLicensePage] (cla: yes, f: material design, framework)

34907 Fixed LicensePage to close page before loaded the License causes an error (cla: yes, f: material design, framework, severe: crash)

34919 Remove duplicate error parts (cla: yes, framework, waiting for tree to go green)

34932 Added onChanged property to TextFormField (cla: yes, f: material design, framework)

34964 CupertinoTextField.onTap (cla: yes, f: cupertino)

35017 sync lint list (cla: yes)

35046 Add generated Icon diagram to api docs (cla: yes, d: api docs, d: examples, framework)

35055 enable lint avoid_bool_literals_in_conditional_expressions (cla: yes)

35056 enable lint use_full_hex_values_for_flutter_colors (cla: yes)

35059 prepare for lint update of prefer_final_fields (cla: yes)

35063 add documentation for conic path not supported (a: platform-views, cla: yes, d: api docs, framework, plugin)

35066 Manual engine roll, Update goldens, improved wavy text decoration 0f9e297ad..185087a65f (a: typography, cla: yes, engine)

35074 Attempt to enable tool coverage redux (a: tests, cla: yes, tool)

35075 Allow for customizing SnackBar's content TextStyle in its theme (cla: yes, f: material design, framework)

35084 Move findTargetDevices to DeviceManager (cla: yes, tool)

35092 Add FlutterProjectFactory so that it can be overridden internally. (cla: yes, tool)

35110 Always test semantics (a: accessibility, a: tests, cla: yes, framework, severe: API break)

35129 [Material] Wrap Flutter Gallery's Expansion Panel Slider in padded Container to make room for Value Indicator. (cla: yes, f: material design, framework, severe: regression)

35130 pass new users for release_smoke_tests (a: tests, cla: yes, team)

35132 Reduce allocations by reusing a matrix for transient transforms in _transformRect (cla: yes)

35136 Update Dark Theme disabledColor to White38 (cla: yes, f: material design, framework, severe: API break)

35143 More HttpClientResponse Uint8List fixes (cla: yes)

35149 More `HttpClientResponse implements Stream<Uint8List>` fixes (cla: yes)

35150 Change didUpdateConfig to didUpdateWidget (cla: yes, d: api docs, framework)

35157 Remove skip clause on tools coverage (cla: yes, team)

35160 Move usage flutter create tests into memory filesystem. (a: tests, cla: yes, tool)

35164 Update reassemble doc (cla: yes, customer: product, d: api docs, framework, severe: customer critical)

35186 Make tool coverage collection resilient to sentinel coverage data (cla: yes, tool)

35188 ensure test isolate is paused before collecting coverage (cla: yes, tool)

35189 enable lints prefer_spread_collections and prefer_inlined_adds (cla: yes)

35192 don't block any presubmit on coverage (cla: yes, tool)

35197 [flutter_tool] Update Fuchsia SDK (cla: yes, tool)

35206 Force-upgrade package deps (cla: yes)

35207 refactor out selection handlers (a: text input, cla: yes, customer: amplify, customer: fuchsia, framework)

35211 `child` param doc update in Ink and Ink.image (cla: yes, d: api docs, f: material design, framework)

35217 Add flutter build aar (a: build, cla: yes, tool, waiting for tree to go green)

35219 Text selection menu show/hide cases (a: text input, cla: yes, f: material design, framework)

35221 Twiggle bit to exclude dev and beta from desktop and web (cla: yes, tool)

35223 Navigator pushAndRemoveUntil Fix (cla: yes, customer: mulligan (g3), f: routes, framework, severe: crash, waiting for tree to go green)

35225 add sample code for AnimatedContainer (a: animation, cla: yes, d: api docs, d: examples, framework)

35231 Fix coverage collection (cla: yes, tool)

35232 New benchmark: Gesture semantics (cla: yes, waiting for tree to go green)

35233 Attempt skipping coverage shard if tools did not change (cla: yes)

35237 Revert "Manual engine roll, Update goldens, improved wavy text decoration 0f9e297ad..185087a65f" (cla: yes)

[35242](#) Reland "Manual engine roll, Update goldens, improved wavy text decoration 0f9e297ad..185087a65f"" (cla: yes)

[35245](#) More preparation for HttpClientResponse implements Uint8List (cla: yes)

[35246](#) attempt to not skip coverage on post commit (cla: yes)

[35263](#) remove unnecessary ..toList() (cla: yes)

[35276](#) Revert "[Material] Support for hovered, focused, and pressed border color on `OutlineButton` s" (cla: yes)

[35278](#) Re-land "[Material] Support for hovered, focused, and pressed border color on `OutlineButton` s" (cla: yes)

[35280](#) benchmarkWidgets.semanticsEnabled default false. (cla: yes)

[35282](#) Add Container fallback to Ink build method (cla: yes, f: material design, framework)

[35288](#) Apply coverage skip math correctly (cla: yes)

[35290](#) tests for about page (cla: yes)

[35297](#) Fix the first frame logic in tracing and driver (cla: yes, engine, framework, severe: performance, team)

[35303](#) fix default artifacts to exclude ios and android (cla: yes, tool)

[35307](#) Clean up host_app_ephemeral Profile build settings (a: existing-apps, cla: yes, t: xcode, tool, ⬦ platform-ios)

[35335](#) Using custom exception class for network loading error (a: images, cla: yes, framework)

[35367](#) Add type to StreamChannel in generated test code. (cla: yes, tool)

[35392](#) Add timer checking and Fake http client to testbed (cla: yes, tool)

[35393](#) more ui-as-code (cla: yes, team)

[35406](#) Refactor signal and command line handler from resident runner (cla: yes, team, tool)

[35407](#) Manual engine roll (cla: yes, engine, team)

[35408](#) Remove print (cla: yes)

[35423](#) v1.7.8 hotfixes (cla: yes)

[35424](#) Introduce image_list performance benchmark that runs on jit(debug) build. (a: images, a: tests, cla: yes, framework)

[35464](#) Manual roll of engine 45b66b7...ffba2f6 (cla: yes, team)

[35465](#) Mark update-packages as non-experimental (cla: yes, tool)

[35467](#) Mark update-packages as non-experimental (cla: yes, tool)

[35468](#) Add colorFilterLayer/Widget (a: accessibility, cla: yes, customer: octopod, framework, waiting for tree to go green)

[35477](#) Update macrobenchmarks README and app name (a: tests, cla: yes, team)

[35480](#) Update the help message on precache command for less confusion (cla: yes, tool)

[35481](#) add APK build time benchmarks (cla: yes, tool)

35482 Use the new service protocol message names (cla: yes)

35487 Fix RenderFittedBox when child.size.isEmpty (a: accessibility, cla: yes, framework)

35491 Include tags in SemanticsNode debug properties (cla: yes, framework)

35492 Re-apply 'Add currentSystemFrameTimeStamp to SchedulerBinding' (cla: yes, framework)

35493 Do not use ideographic baseline for RenderPargraph baseline (a: typography, cla: yes, engine, framework)

35495 mark windows and macos chrome dev mode as flaky (cla: yes, team)

35496 [Material] Text scale and wide label fixes for Slider and Range Slider value indicator shape (cla: yes, f: material design)

35499 Added MaterialApp.themeMode to control which theme is used. (cla: yes, f: material design, framework)

35548 Various doc fixes (cla: yes, framework)

35556 ios (iPhone6) and iPhone XS tiles_scroll_perf tests (cla: yes, severe: performance, team, ▢ platform-ios)

35560 Support for elevation based dark theme overlay color in the Material widget (cla: yes, f: material design, framework)

35573 update packages (cla: yes, team)

35574 Fix semantics for floating pinned sliver app bar (a: accessibility, cla: yes, f: scrolling, framework, waiting for tree to go green)

35646 Prepare for Socket implements Stream (cla: yes)

35657 Remove paused check for tooling tests (cla: yes, tool)

35681 Disable incremental compiler in dartdevc (cla: yes, tool)

35684 Fix typo in main.dart templates (cla: yes, d: api docs, framework)

35708 disable a test case in xcode_backend.sh (cla: yes, tool)

35709 Remove web, fuchsia, and unsupported devices from all (cla: yes, tool)

35725 Update annotated region findAll implementation to use Iterables directly. (cla: yes, framework)

35728 Added demo projects for splash screen support on Android. (a: existing-apps, cla: yes, team)

35731 Keep LLDB connection to iOS device alive while running from CLI. (cla: yes, tool)

35743 Simple Doc Fixes (cla: yes, d: api docs, framework)

35745 enable lint prefer_if_null_operators (cla: yes, team)

35749 add iOS build benchmarks (cla: yes, team, tool)

35750 use sentence case in error message titles (cla: yes, framework)

35756 Remove @objc inference build setting (cla: yes, t: xcode, tool)

35762 Refactor keymapping for resident_runner (cla: yes)

35763 UIApplicationLaunchOptionsKey -> UIApplication.LaunchOptionsKey (cla: yes, t: xcode, tool, ▢ platform-ios)

35765 Use public _registerService RPC in flutter_tools (cla: yes, tool)

35767 set targets of zero percent for tools codecoverage (cla: yes, tool)

35775 Add platform_interaction_test_swift to devicelab (a: tests, cla: yes, framework, p: framework, plugin, ⬦ platform-ios)

35777 Fixed logLevel filter bug so that filter now works as expected (cla: yes, team)

35778 Build all example projects in CI build smoke test (a: tests, cla: yes, team)

35780 Remove CoocaPods support from layers example app (a: tests, cla: yes, d: examples, team)

35785 Remove reverseDuration from implicitly animated widgets, since it's ignored. (a: animation, cla: yes, framework, severe: API break)

35792 disable web tests (cla: yes)

35810 SliverFillRemaining accounts for child size when hasScrollBody is false (cla: yes, f: scrolling, framework, waiting for tree to go green)

35814 Roll engine e695a516f..75387dbc1 (8 commits) (cla: yes, team)

35825 Fixed build of example code to use new binary messenger API. (cla: yes, team)

35828 Cleanup widgets/sliver_persistent_header.dart with resolution of dart-lang/sdk#31543 (cla: yes, framework)

35829 iOS 13 scrollbar (cla: yes, f: cupertino, framework)

35833 Disable CocoaPods input and output paths in Xcode build phase for ephemeral add-to-app project (a: existing-apps, cla: yes, tool, ⬦ platform-ios)

35839 use pub run for create test and remove [INFO] logs (cla: yes, tool)

35846 move reload and restart handling into terminal (cla: yes, tool)

35878 Add flag to use root navigator for showModalBottomSheet (cla: yes, f: material design, framework)

35892 Doc fixes (cla: yes, d: api docs, d: examples, framework)

35906 Add anchors to samples (cla: yes, team)

35913 Change focus example to be more canonical (and correct) (cla: yes, framework)

35919 Animation API doc improvments (a: animation, cla: yes, framework, waiting for tree to go green)

35926 Add example showing how to move from one field to the next. (cla: yes, d: api docs, d: examples, framework)

35932 Upgraded framework packages with 'flutter update-packages --force-upgrade'. (cla: yes, framework)

35941 SliverLayoutBuilder (cla: yes, f: scrolling, framework)

35942 Use test instead of test_api package in platform_channel_swift example tests (a: tests, cla: yes, d: examples, team)

35971 [ImgBot] Optimize images (cla: yes, team)

35979 Optimizes gesture recognizer fixes #35658 (cla: yes, f: gestures, framework)

35991 Enable widget load assets in its own package in test (a: tests, cla: yes, tool)

[35996](#) Revert "Keep LLDB connection to iOS device alive while running from CLI." (cla: yes)

[35999](#) Deflake ImageProvider.evict test (a: images, a: tests, cla: yes, team: flakes)

[36006](#) fix linesplitter (cla: yes, team)

[36017](#) Move reporting files to reporting/ (cla: yes, tool)

[36026](#) add the transformPoint and transformRect benchmarks (cla: yes, team)

[36028](#) Fix slider preferred height (cla: yes, f: material design, framework)

[36030](#) [Material] Implement TooltipTheme and Tooltip.textStyle, fix Tooltip debugLabel, update Tooltip defaults (cla: yes, f: material design, framework, severe: API break, severe: new feature)

[36071](#) Revert "Bundle ios dependencies" (cla: yes, team, tool)

[36082](#) Add better handling of JSON-RPC exception (cla: yes, tool)

[36084](#) handle google3 version of pb (cla: yes, tool)

[36087](#) Update visual style of CupertinoSwitch to match iOS 13 (cla: yes, f: cupertino, framework)

[36088](#) Add PopupMenuTheme to enable theming color, shape, elevation, text style of Menu (cla: yes, f: material design, framework)

[36089](#) Fix flaky peer connection (a: tests, cla: yes, framework)

[36090](#) don't require diffs to have a percentage coverage greater (cla: yes, team)

[36093](#) Reland bundle ios deps (cla: yes, team, tool)

[36094](#) Revert "Part 1: Skia Gold Testing" (cla: yes, f: cupertino, f: material design, framework, team)

[36096](#) Revert "Merge branches 'master' and 'master' of github.com:flutter/fl... (cla: yes, tool)

[36097](#) Fix nested scroll view can rebuild without layout (cla: yes, f: scrolling, framework, severe: crash)

[36098](#) Be clearer about errors in customer testing script (cla: yes, team)

[36102](#) Move buildable module test to a module test (cla: yes, team)

[36103](#) Re-land "Part 1: Skia Gold Testing" (a: tests, cla: yes, framework, waiting for tree to go green)

[36105](#) [flutter_tool] Catch a yaml parse failure during project creation (cla: yes, team, tool)

[36106](#) Updated ColorScheme.dark() colors to match the Material Dark theme specification (cla: yes, f: material design, framework, severe: API break)

[36108](#) Move tools tests into a general.shard directory in preparation to changing how we shard tools tests (cla: yes, tool)

[36109](#) Catch exceptions thrown by runChecked* when possible (cla: yes, tool, waiting for tree to go green)

[36122](#) Make sure add-to-app build bundle from outer xcodebuild/gradlew sends analytics (cla: yes, team, tool)

[36123](#) Attempt to re-enable integration_tests-macos (a: tests, cla: yes, team, team: flakes)

[36135](#) add a kIsWeb constant to foundation (cla: yes, framework)

[36138](#) Implement feature flag system for flutter tools (cla: yes, tool)

36174 [cupertino_icons] Add glyph refs for brightness #16102 (cla: yes, f: cupertino, framework)

36194 Keep LLDB connection to iOS device alive while running from CLI. (cla: yes, tool)

36197 Fix windows, exclude widgets from others (cla: yes, team)

36199 Don't try to flutterExit if isolate is still paused (cla: yes, tool)

36200 Refactoring the Android_views tests app to prepare for adding the iOS platform view tests (a: platform-views, a: tests, cla: yes, team)

36202 Add clarifying docs on MaterialButton.colorBrightness (cla: yes, d: api docs, f: material design, framework)

36208 [flutter_tool] Allow analytics without a terminal attached (cla: yes, tool)

36213 Use DeviceManager instead of device to determine if device supports project. (cla: yes, tool)

36217 Split Mouse from Listener (a: desktop, cla: yes, framework, severe: API break, waiting for tree to go green)

36218 release lock in flutter pub context (cla: yes, tool)

36237 Recommend to use the final version of CDN support for the trunk specs repo. (cla: yes, tool)

36240 Rearrange flutter assemble implementation (cla: yes, tool)

36243 Allow semantics labels to be shorter or longer than raw text (a: accessibility, cla: yes, customer: money (g3), framework, waiting for tree to go green)

36262 Prevents infinite loop in Table._computeColumnWidths (cla: yes, framework)

36270 Change Future.done to Future.whenComplete (a: tests, cla: yes, framework, team, waiting for tree to go green)

36288 Throw exception if instantiating IOSDevice on non-mac os platform (cla: yes, tool)

36289 FakeHttpClientResponse improvements (cla: yes, tool)

36293 Revert "Keep LLDB connection to iOS device alive while running from CLI. " (cla: yes, tool)

36297 Add multi-line flag to semantics (a: accessibility, cla: yes, framework, ⚙ platform-web)

36302 Issues/30526 gc (cla: yes, framework)

36303 Add sync star benchmark cases (a: accessibility, cla: yes, team)

36317 Disable flaky tests on Windows (cla: yes, f: material design, framework)

36318 Include flutter_runner in precache artifacts. (cla: yes, tool)

36319 Revert "Fix semantics for floating pinned sliver app bar" (cla: yes, framework)

36327 Fix invocations of ideviceinstaller not passing DYLD_LIBRARY_PATH (cla: yes, tool)

36331 Minor fixes to precache help text (attempt #2) (cla: yes, tool)

36333 fix sliver fixed pinned appbar (cla: yes, framework, waiting for tree to go green)

36334 Added a Driver API that waits until frame sync (a: tests, cla: yes, framework)

36379 Add missing test case for Usage (cla: yes, tool)

36384 rename the test app android_views to platform_views (cla: yes, team)

[36391](#) Adds doc example for Listview and pageview (cla: yes, d: api docs, framework)

[36392](#) Increase pattern that matches operation duration in log_test (a: tests, cla: yes, tool, waiting for tree to go green)

[36394](#) Add missing protobuf dependency (cla: yes, tool)

[36396](#) Optimize the transformRect and transformPoint methods in matrix_utils. (cla: yes, framework)

[36399](#) Added ThemeMode support to the Flutter Gallery (cla: yes, d: examples, team, team: gallery)

[36402](#) Teach render objects to reuse engine layers (cla: yes, framework, severe: API break, severe: performance, ❀ platform-web)

[36404](#) Make test back button label deterministic (cla: yes, team)

[36409](#) Add searchFieldLabel to SearchDelegate in order to show a custom hint (cla: yes, f: material design, framework)

[36410](#) Add plumbing for hello world startup test in devicelab (cla: yes, team)

[36411](#) Implement InputDecorationTheme copyWith, ==, hashCode (cla: yes, f: material design, framework, severe: new feature)

[36413](#) Revert "Roll engine f3482700474a..1af19ae67dd1 (4 commits)" (cla: yes, engine)

[36418](#) Add testing to screenshot and printDetails method (cla: yes, tool)

[36421](#) doc : ReorderableListView - added youtube video from WidgetOfTheWeek ... (cla: yes, f: material design, framework)

[36428](#) Bump engine version (cla: yes, engine, team)

[36431](#) Re-enable `flutter test` expression evaluation tests (a: tests, cla: yes, tool)

[36434](#) Clean up flutter driver device detection. (cla: yes, tool)

[36460](#) Add images and update examples for top widgets: (cla: yes, d: api docs, d: examples, f: material design, framework)

[36465](#) Use FlutterFeatures to configure web and desktop devices (cla: yes, tool)

[36468](#) Fix test_widgets-windows not running tests (a: tests, cla: yes, framework, team, waiting for tree to go green)

[36471](#) Enable bitcode compilation for AOT (cla: yes)

[36481](#) Remove untested code (cla: yes, tool)

[36482](#) Sped up shader warmup by only drawing on a 100x100 surface (cla: yes, framework)

[36485](#) Add text border docs (a: typography, cla: yes, d: api docs, framework)

[36490](#) [flutter_tool] Send analytics command before the command runs (cla: yes, tool)

[36492](#) Add GitHub CODEOWNERS file to auto-add reviewers by path (cla: yes, team)

[36493](#) Fixes sliver list does not layout firstchild when child reordered (cla: yes, framework)

[36498](#) Clean up host_app_ephemeral_cocoapods Profile build settings (a: existing-apps, cla: yes, t: xcode, tool, ◌ platform-ios)

36503 Disabling Firebase Test Lab smoke test to unblock autoroller (cla: yes)

36507 Bump engine version (cla: yes, engine, team, tool)

36510 flutter update-packages --force-upgrade (cla: yes, team)

36512 Renamed the Driver API waitUntilFrameSync to waitUntilNoPendingFrame (a: tests, cla: yes, framework)

36513 Fix `flutter pub -v` (cla: yes, tool)

36545 [flutter_tool] Send the local time to analytics with screens and events (cla: yes, tool, work in progress; do not review)

36546 Unskip date_picker_test on Windows as underlying issue 19696 was fixed. (cla: yes, f: material design, framework)

36548 Fix the web builds by reverting version bump of build_modules (cla: yes, tool)

36549 fix number encoding in message codecs for the Web (cla: yes, framework)

36553 Load assets during test from file system instead of manifest. (a: tests, cla: yes, framework)

36556 Fix usage test to use local usage (cla: yes, tool)

36560 [flutter_tools] Add some useful commands to the README.md (cla: yes, tool)

36564 Make sure fx flutter attach can find devices (cla: yes, tool)

36569 Some minor cleanup for flutter_tools (cla: yes, tool)

36570 Some minor fixes to the tool_coverage tool (cla: yes, tool)

36571 Some minor cleanup in devicelab (cla: yes, team)

36579 Add gradient text docs (a: typography, cla: yes, framework)

36585 Place build outputs under dart tool (cla: yes, tool)

36589 Update Localizations: added 24 new locales (reprise) (a: internationalization, cla: yes, f: cupertino, f: material design)

36595 More resident runner tests (cla: yes, tool)

36598 Expose functionality to compile dart to kernel for the VM (cla: yes, tool)

36618 Revert "AsyncSnapshot.data to throw if error or no data" (cla: yes, framework)

36654 Revert "Use FlutterFeatures to configure web and desktop devices" (cla: yes, team, tool)

36679 add line-length to `flutter format` command line (cla: yes, tool)

36690 Updating cirrus fingerprint script to include goldens version (a: tests, cla: yes, framework, waiting for tree to go green)

36695 Android visible password input type support (cla: yes, framework)

36698 fixes iphone force press keyboard select crashes (cla: yes, framework)

36699 Reland: use flutter features for web and desktop (cla: yes, team, tool)

36717 Fix devicelab tests that did not enable web config. (cla: yes, team)

36722 Skip flaky test windows (cla: yes, tool)

36727 Add missing config to create (cla: yes, team, tool)

36731 Revert "Add flutter build aar" (cla: yes, team, tool)

36732 Flutter build aar (a: build, cla: yes, team, tool, waiting for tree to go green)

36768 add an error count field to the Flutter.Error event (cla: yes, framework)

36773 Expose build-dir config option (cla: yes, tool)

36774 Parameterize CoverageCollector with a library name predicate (cla: yes, tool)

36784 [flutter_tool] Improve Windows flutter clean error message (cla: yes, tool)

36785 [flutter_tool] Clean up usage events and custom dimensions (cla: yes, tool)

36787 Check for directory instead of path separator (cla: yes, tool)

36793 Vend Flutter module App.framework as a local CocoaPod pod to be installed by a host app (a: existing-apps, cla: yes, t: xcode, team, tool, ⬦ platform-ios)

36805 Allow flavors and custom build types in host app (a: build, a: existing-apps, cla: yes, t: gradle, team, tool, waiting for tree to go green)

36832 Remove flaky check for analyzer message. (cla: yes, tool)

36845 Improve Windows build failure message (cla: yes, tool, waiting for tree to go green)

36851 Revert "[Material] Implement TooltipTheme and Tooltip.textStyle, fix Tooltip debugLabel, update Tooltip defaults" (cla: yes, f: material design, framework)

36856 [Material] Implement TooltipTheme and Tooltip.textStyle, update Tooltip defaults (cla: yes, f: material design, framework, severe: API break, severe: new feature)

36857 Ensure user-thrown errors have ErrorSummary nodes (cla: yes, framework)

36860 Remove Chain terse parsing (cla: yes, tool)

36866 Tests for `flutter test [some_directory]` (cla: yes, team, tool)

36867 Add reference to StrutStyle from TextStyle (cla: yes, framework)

36874 Adjust phrasing of features (cla: yes, tool)

36877 Revert "Dismiss modal with any button press" (cla: yes, framework)

36880 [Material] Create material Banner component (cla: yes, f: material design, framework)

36884 Unbreak build_runner (cla: yes, team, tool)

36885 Manual roll of flutter/engine@ef99738...72341ed (cla: yes, engine, tool)

36886 Add annotation dependency to plugins (cla: yes, team, tool, waiting for tree to go green)

36887 Fix thumb size calculation (cla: yes, f: cupertino, framework)

36893 Fix minor typos (cla: yes, framework)

36895 Mark splash test flaky until proved stable. (cla: yes, team)

[36901](#) Run Gradle tests on Windows (a: build, cla: yes, team, tool)

[36949](#) Remove stdout related to settings_aar.gradle (a: tests, cla: yes, t: flutter driver, team)

[36955](#) Extract common PlatformView functionality: Painting and Semantics (a: platform-views, cla: yes, framework)

[36956](#) Redo: Modal dismissed by any button (cla: yes, framework, waiting for tree to go green)

[36963](#) Add margins to tooltips (cla: yes, f: material design, framework, severe: new feature)

[36964](#) Interactive size const (cla: yes, f: cupertino, f: material design, framework, severe: API break)

[36966](#) Roll back the AAR build experiment (cla: yes, tool)

[36969](#) devicelab: replace the FLUTTER_ENGINE environment variable with the new local engine flags (cla: yes, team)

[36970](#) Clarify showDuration and waitDuration API docs and test behavior (cla: yes, d: api docs, f: material design, framework)

[36974](#) Multiline Selection Menu Position Bug (a: text input, cla: yes, f: material design, framework)

[36987](#) Flutter assemble for macos take 2! (cla: yes, tool, ⌘ platform-mac)

[36997](#) Added missing png's to demo splash screen project (was caused by global gitignore). (cla: yes, team)

[37026](#) Add support for the Kannada (kn) locale (a: internationalization, cla: yes, f: cupertino, f: material design, team)

[37027](#) Revert "Fix the first frame logic in tracing and driver" (a: tests, cla: yes, d: examples, framework, team, team: gallery, tool)

[37030](#) Mark backdrop_filter_perf test nonflaky (cla: yes, team)

[37033](#) fix debug paint crash when axis direction inverted (cla: yes, framework, severe: crash)

[37036](#) Build number (part after +) is documented as optional, use entire app version if not present (cla: yes, tool)

[37037](#) [flutter_tool] Update Fuchsia SDK (cla: yes, tool)

[37038](#) Update SnackBar to the latest Material specs. (cla: yes, f: material design, framework)

[37042](#) Fix selection menu not showing after clear (a: text input, cla: yes, framework)

[37043](#) Tests for Engine ensuring debug-mode apps are attached on iOS. (cla: yes, team, tool)

[37044](#) [flutter_tool] Make a couple file operations synchronous (cla: yes, tool)

[37048](#) use SizedBox instead of Container for building collapsed selection (a: text input, cla: yes, f: cupertino, framework)

[37049](#) Revert Optimize transformRect (cla: yes, framework, waiting for tree to go green)

[37055](#) Revert "Enable selection by default for password text field and expos... (cla: yes, f: cupertino, f: material design, framework)

[37158](#) Fix Textfields in Semantics Debugger (a: accessibility, cla: yes, framework, waiting for tree to go green)

[37183](#) reland Enable selection by default for password text field and expose... (a: text input, cla: yes, customer: fun (g3), f: cupertino, f: material design)

[37186](#) [flutter_tool] Usage refactor cleanup (cla: yes, tool)

37187 use FlutterError in MultiChildRenderObjectWidget (cla: yes, framework)

37192 Reland "Fix the first frame logic in tracing and driver (#35297)" (cla: yes, engine, framework)

37194 [flutter_tool] More gracefully handle Android sdkmanager failure (cla: yes, tool)

37196 [flutter_tool] Catch ProcessException from 'adb devices' (cla: yes, tool)

37198 [flutter_tool] Re-try sending the first crash report (cla: yes, tool)

37205 add cmx for complex_layout (cla: yes, team)

37206 Test that modules built as AAR contain the right assets and artifacts (a: build, cla: yes, team, waiting for tree to go green, ▣ platform-android)

37207 Update complex_layout.cmx (cla: yes, team)

37208 Roll flutter/engine@09f8bffb9...67319c00b (cla: yes)

37210 do not strip symbols when building profile (cla: yes, team, tool)

37211 Don't enable scroll wheel when scrolling is off (a: desktop, cla: yes, customer: octopod, framework)

37217 hide symbols from spotlight for App.framework (cla: yes, tool, waiting for tree to go green)

37250 Removing Leftover Golden Test Skips (a: tests, cla: yes, framework)

37254 Clamp Scaffold's max body height when extendBody is true (cla: yes, f: material design, framework, severe: crash)

37259 [Material] Add support for hovered, pressed, focused, and selected text color on Chips. (cla: yes, f: material design, framework)

37266 Change the value of kMaxUnsignedSMI for the Web (cla: yes, framework, severe: new feature, waiting for tree to go green, ❀ platform-web)

37269 [Material] FAB refactor - remove unnecessary IconTheme (cla: yes, f: material design, framework)

37275 Optimize the transformRect and transformPoint methods in matrix_utils... (cla: yes, framework)

37276 Make podhelper.rb a template to avoid passing in the module name (a: existing-apps, cla: yes, t: xcode, team, tool, ◇ platform-ios)

37295 Revert "reland Enable selection by default for password text field and expose..." (a: accessibility, cla: yes, f: cupertino, f: material design, framework, team)

37314 Update dartdoc to 28.4 (cla: yes, team)

37319 resizeToAvoidBottomInset Cupertino without NavBar (cla: yes, f: cupertino, framework)

37322 Add comments to an Android Platform view gesture test case (a: platform-views, cla: yes, framework, severe: crash, waiting for tree to go green)

37324 reland Enable selection by default for password text field and expose... (a: accessibility, cla: yes, f: cupertino, f: material design, framework, team)

37328 Fix some tests now that the isMultiline flag is added to values (a: accessibility, cla: yes, framework, waiting for tree to go green, ❀ platform-web)

37331 [flutter_tool] Add missing toString() (cla: yes, tool)

37338 Update constructor APIs TooltipTheme, ToggleButtonsTheme, PopupMenuTheme (cla: yes, f: material design, framework, severe: API break)

37341 hiding original hero after hero transition (a: animation, cla: yes, framework, severe: API break, severe: new feature)

37342 Fix mouse region crash when using closures (a: desktop, cla: yes, framework, waiting for tree to go green)

37344 Fix mouse region double render (a: desktop, cla: yes, framework, waiting for tree to go green)

37345 [flutter_tool] Include the local timezone in analytics timestamp (cla: yes, tool)

37351 fix errors caught by roll of macOS assemble (cla: yes, tool)

37355 Added ThemeData.from() method to construct a Theme from a ColorScheme (cla: yes, f: material design, framework)

37365 only build macOS kernel in debug mode (cla: yes, tool)

37378 Disable xcode indexing in CI via COMPILER_INDEX_STORE_ENABLE=NO argument (cla: yes, tool, waiting for customer response)

37403 add ontap to textformfield (cla: yes, f: material design, framework)

37405 Add .android/Flutter/flutter.iml to module template. (cla: yes, tool)

37407 Remove multi-arch check in iOS builds (cla: yes, tool)

37413 Revert "Remove multi-arch check in iOS builds" (cla: yes, engine, tool)

37417 Nosuchmethod window (a: tests, cla: yes, framework)

37422 [flutter_tool] Additional flutter manifest yaml validation (cla: yes, tool)

37425 Support for macOS release mode (1 of 3) (cla: yes, tool)

37436 Hide text selection handle after entering text (cla: yes, f: material design, framework)

37440 Print message when HttpException is thrown after running `flutter run` (cla: yes, tool, waiting for tree to go green)

37442 Disable flaky test (a: tests, cla: yes, team)

37445 Switch iOS gen_snapshot from multi-arch binary to multiple binaries (cla: yes, engine, tool)

37449 If xcode_backend.sh script fails or substitute variables are missing, fail the host Xcode build (a: existing-apps, cla: yes, t: xcode, team, tool)

37457 Find the app bundle when the flavor contains underscores (a: build, cla: yes, team, tool, waiting for tree to go green)

37479 Remove bogus code in ContainerParentDataMixin.detach (cla: yes, framework, waiting for tree to go green)

37489 Moved the default BinaryMessenger instance to ServicesBinding (a: tests, cla: yes, customer: espresso, d: examples, framework, severe: API break, t: flutter driver, team)

37492 Drawer edge drag width improvements (cla: yes, f: material design, framework, severe: new feature)

37497 Extract common PlatformView functionality: Gesture and PointerEvent (cla: yes, framework)

37500 Avoid killing Flutter tool process (#37471) (cla: yes, tool)

37503 Quickly fix start up tests (cla: yes, framework)

37509 Use macOS ephemeral directory for Pod env script (cla: yes, tool)

37512 Enable track widget creation on debug builds (cla: yes, tool)

37514 [flutter_tool] Remove unintended analytics screen send (cla: yes, tool)

37515 Upstream web support for IterableProperty (cla: yes, framework, ❀ platform-web)

37516 Kill stale TODO (a: tests, cla: yes, framework, team)

37521 have xcodeSelectPath also catch ArgumentError (cla: yes, tool)

37524 Ensure that tests remove pointers by using addTearDown (a: tests, cla: yes, framework, waiting for tree to go green)

37556 [Material] Make RawChip.selected non-nullable. (cla: yes, f: material design, framework)

37595 Closes #37593 Add flutter_export_environment.sh to gitignore (cla: yes, tool, waiting for tree to go green)

37624 Diagrams for API docs rank 10-20 in most views (cla: yes, d: api docs, d: examples, f: material design, framework, from: study, waiting for tree to go green)

37631 [Material] Create demo for material banner (cla: yes, d: examples, f: material design, team, team: gallery)

37634 [web][upstream] Update diagnostics to support web platform tests (cla: yes, f: material design, framework)

37636 Add CheckboxListTile checkColor (cla: yes, f: material design, framework)

37637 don't call Platform.operatingSystem in RenderView diagnostics (cla: yes, framework, ❀ platform-web)

37638 [web][upstream] Fix debugPrintStack for web platform (cla: yes, framework, ❀ platform-web)

37647 Change priority of gen_snapshot search paths (cla: yes, tool)

37649 Revert "Integrate dwds into flutter tool for web support" (a: accessibility, cla: yes, d: examples, team, team: gallery)

37650 Reland Integrate dwds into flutter tool for web support (a: accessibility, cla: yes, d: examples, team, team: gallery)

37652 Change RenderObject.getTransformTo to include ancestor. (cla: yes, framework, severe: API break)

37654 Add missing library to flutter tools BUILD.gn (cla: yes, tool)

37658 fix windows path for dwds/web builds (cla: yes, tool)

37661 flutter update-packages --force-upgrade (a: accessibility, a: tests, cla: yes, d: examples, framework, team, team: gallery, tool)

37664 Partial macOS assemble revert (cla: yes, tool)

37703 PlatformViewLink, handling creation of the PlatformViewSurface and dispose PlatformViewController (a: platform-views, cla: yes, framework)

37712 [web][upstream] Optimize InactiveElements deactivation (cla: yes, framework, ❀ platform-web)

37714 remove unused script (cla: yes, team)

[37715](#) Fix markdown link format (cla: yes, f: material design, framework)

[37718](#) Adding physicalDepth to MediaQueryData & TestWindow (cla: yes, customer: fuchsia, framework, severe: customer critical, waiting for tree to go green)

[37724](#) iOS 13 scrollbar vibration (cla: yes, f: cupertino, framework)

[37730](#) Revert "remove unused script" (cla: yes, team)

[37731](#) Add metadata to indicate if the host app contains a Flutter module (cla: yes, team, tool)

[37733](#) Support macOS Catalina-style signing certificate names (cla: yes, tool)

[37735](#) Remove unused no-build flag from the flutter run command (cla: yes, tool)

[37738](#) Use relative paths when installing module pods (a: existing-apps, cla: yes, tool, ⬦ platform-ios)

[37740](#) Disable gem documentation generation on Cirrus (cla: yes, team)

[37743](#) Handle thrown maps and rejects from fe server (cla: yes, tool)

[37752](#) Remove dead flag `gradle-dir` in flutter config (cla: yes, tool)

[37760](#) Don't mark system_debug_ios as flaky. (cla: yes, team)

[37790](#) Doc: Image.memory only accepts compressed format (cla: yes, framework, waiting for tree to go green)

[37792](#) Disable the progress bar when downloading the Dart SDK via Invoke-WebRequest (cla: yes, tool)

[37793](#) Add equals and hashCode to Tween (a: animation, cla: yes, framework, waiting for tree to go green)

[37801](#) Fix TextField cursor color documentation (cla: yes, f: material design, framework)

[37806](#) Add COMPILER_INDEX_STORE_ENABLE=NO to macOS build and tests (a: tests, cla: yes, t: xcode, team, tool)

[37809](#) Add autofocus parameter to widgets which use Focus widget internally (cla: yes, f: cupertino, f: material design, framework)

[37811](#) Add flutter_export_environment.sh to the framework tree gitignore (cla: yes, team)

[37812](#) [web][upstream] Don't register exit/saveCompilationTrace for web platform since they are not available (cla: yes, framework, ✿ platform-web)

[37815](#) Restructure resident web runner usage to avoid SDK users that don't support dwds (cla: yes, tool)

[37816](#) update dependencies; add a Web smoke test (a: accessibility, a: tests, cla: yes, d: examples, framework, team, team: gallery)

[37825](#) Automatic focus highlight mode for FocusManager (CQ+1, cla: yes, f: material design, framework)

[37828](#) have android_semantics_testing use adb from ENV provided android sdk (a: accessibility, cla: yes, team)

[37856](#) Remove references to solo flag in flutter test (a: tests, cla: yes, d: api docs, framework)

[37863](#) Expose the timeline event names so they can be used in other systems that do tracing (cla: yes, tool)

[37870](#) remove Header flag from BottomNavigationBar items (cla: yes, f: material design, framework, waiting for tree to go green)

[37871](#) Catch failure to create directory in cache (cla: yes, tool)

37872 Unmark devicelab tests as flaky that are no longer flaky (cla: yes, team)

37877 Adds DefaultTextStyle ancestor to Tooltip Overlay (cla: yes, f: material design, framework)

37880 reduce mac workload (cla: yes)

37881 Remove no-longer-needed scripts (cla: yes, team, waiting for tree to go green)

37882 Add dense property to AboutListTile (cla: yes, f: material design, framework)

37891 Focus debug (a: desktop, cla: yes, framework)

37895 Revert "Add equals and hashCode to Tween" (cla: yes, framework)

37900 Listen to ExtensionEvent instead of TimelineEvent (cla: yes, framework, tool)

37904 test tool scheduling (cla: yes, team)

37906 Always install the ephemeral engine copy instead of fetching from CocoaPods specs (a: existing-apps, cla: yes, team, tool, ◇ platform-ios)

37938 Revert "Adding physicalDepth to MediaQueryData & TestWindow" (a: tests, cla: yes, framework, waiting for tree to go green)

37940 skip docs shard for changes that don't include packages with docs (cla: yes, team, tool)

37941 Skip widget tests on non framework change (cla: yes, team)

37955 Update shader warm-up for recent Skia changes (cla: yes, framework, severe: performance, severe: regression)

37958 Catch FormatException caused by bad simctl output (cla: yes, tool)

37964 Update documentation for bottom sheets to accurately reflect usage (cla: yes, f: material design, framework)

37966 Remove ephemeral directories during flutter clean (a: existing-apps, cla: yes, tool)

37971 Update dependencies (a: accessibility, cla: yes, d: examples, team, team: gallery)

37981 Give `_runFlutterTest` the ability to validate command output (cla: yes, team)

37983 Revert "Moved the default BinaryMessenger instance to ServicesBinding... (a: accessibility, a: tests, cla: yes, f: cupertino, f: material design, framework, team)

37984 Fix some typos in flutter/dev/bots/README.md (cla: yes, team)

37994 Remove no-constant-update-2018, the underlying issue has been resolved. (cla: yes, tool)

38101 Catch filesystem exception from flutter create (cla: yes, tool)

38102 Fix type error hidden by implicit downcasts (cla: yes, tool)

38296 use common emulator/device list (cla: yes, t: flutter driver, tool, waiting for tree to go green)

38325 refactor `flutter upgrade` to be 2 part, with the second part re-entrant (cla: yes, tool)

38326 Re-enabling post-submit gold tests on mac (a: tests, cla: yes, framework)

38339 [flutter_tool] Flip create language defaults to swift and kotlin (cla: yes, tool)

38342 remove bsdiff from BUILD.gn (cla: yes, tool)

[38348](#) Analyzer fix that wasn't caught in the PR originally (cla: yes, d: examples, f: material design, team, team: gallery)

[38353](#) [flutter_tool] Observatory connection error handling cleanup (cla: yes, tool)

[38441](#) Fix getOffsetToReveal for growthDirection reversed and AxisDirection down or right (cla: yes, framework)

[38462](#) Revert "Roll engine ff49ca1c6e5b..7dfdfc6faeb6 (52 commits)" (cla: yes, engine)

[38463](#) Do not construct arguments to _focusDebug when running in non-debug modes (cla: yes, framework)

[38467](#) [Material] Add splashColor to FAB and FAB ThemeData (cla: yes, f: material design, framework)

[38472](#) [flutter_tool] Fix bug in manifest yaml validation (cla: yes, tool)

[38486](#) Catch errors thrown into the Zone by json_rpc (cla: yes, tool)

[38491](#) Update CONTRIBUTING.md (cla: yes, team)

[38494](#) Navigator change backup (a: tests, cla: yes, framework, ⚙ platform-web)

[38495](#) Roll engine ff49ca1c6e5b..be4c8338a6ab (61 commits) (cla: yes, engine)

[38497](#) handle unexpected exit from frontend server (cla: yes, tool)

[38499](#) Update build web compilers and configure libraries (cla: yes, tool)

[38546](#) Re-land 'Adding physicalDepth to MediaQueryData & TestWindow' (a: tests, cla: yes, customer: fuchsia, framework, severe: customer critical)

[38558](#) Fix typos (and a few errors) in the API docs. (cla: yes, framework)

[38564](#) Updating code owners for golden file changes (a: tests, cla: yes, framework, team, will affect goldens)

[38567](#) Add smoke tests to test every commit on a Catalina host. (cla: yes, team)

[38575](#) fix rpc exception for real (cla: yes, tool)

[38579](#) Fix a smoke test. (cla: yes, team)

[38586](#) Don't reload if compilation has errors (cla: yes, tool)

[38587](#) Improve bitcode check (cla: yes, t: xcode, tool, ◇ platform-ios)

[38593](#) Fix text scale factor for non-content components of Cupertino scaffolds (a: fidelity, cla: yes, f: cupertino, f: material design, framework)

[38603](#) Fix up iOS Add to App tests (a: existing-apps, a: tests, cla: yes, team, ◇ platform-ios)

[38621](#) [Material] Create theme for Dividers to enable customization of thickness (cla: yes, f: material design, framework)

[38629](#) Handle case of a connected unpaired iOS device (cla: yes, tool)

[38635](#) Toggle buttons docs (cla: yes, d: api docs, f: material design, framework)

[38636](#) Adds the arrowColor option to UserAccountsDrawerHeader (#38608) (cla: yes, f: material design, framework)

[38637](#) [flutter_tool] Throw tool exit on malformed storage url override (cla: yes, tool)

[38639](#) PlatformViewLink. cached surface should be a Widget type (a: platform-views, cla: yes, framework)

[38645](#) Rename iOS arch for macOS release mode (macOS release mode 2 of 3) (cla: yes, tool)

[38651](#) Update the macOS Podfile template platform version (cla: yes, tool)

[38652](#) Kill dead code (cla: yes, team, tool)

[38658](#) Roll back engine to f8e7453f11067b5801a4484283592977d18be242 (cla: yes, engine)

[38662](#) Change from using `defaults` to `plutil` for Plist parsing (cla: yes, tool)

[38686](#) Rename patent file (cla: yes)

[38704](#) Adds canRequestFocus toggle to FocusNode (cla: yes, framework)

[38708](#) Fix Catalina hot reload test by specifying the platform is iOS. (cla: no, team)

[38710](#) PlatformViewLink: Rename CreatePlatformViewController to CreatePlatformViewCallback (a: platform-views, cla: yes, framework)

[38719](#) Fix stages of some iOS devicelab tests (cla: yes, team)

670 PRs were closed in flutter/flutter. We omitted 154 PRs in this report because they were automated PRs, such as autoroller commits.

PRs closed in this release of flutter/engine

From Fri Jun 21 22:31:55 2019 -0400 to Sun Aug 18 12:22:00 2019 -0700

[9041](#) TextStyle.height property as a multiple of font size instead of multiple of ascent+descent+leading. (affects: text input, cla: yes, prod: API break)

[9075](#) IOS Platform view transform/clipping (cla: yes)

[9089](#) Wire up custom event loop interop for the GLFW embedder. (cla: yes)

[9206](#) Android Embedding Refactor PR31: Integrate platform views with the new embedding and the plugin shim. (cla: yes)

[9329](#) Fixed memory leak by way of accidental retain on implicit self (cla: yes)

[9341](#) some drive-by docs while I was reading the embedding classes (cla: yes)

[9360](#) Simplify loading of app bundles on Android (cla: yes)

[9403](#) Remove variants of ParagraphBuilder::AddText that are not used within the engine (cla: yes)

[9419](#) Has a binary messenger (cla: yes, prod: API break)

[9423](#) Don't hang to a platform view's input connection after it's disposed (cla: yes)

[9424](#) Send timings of the first frame without batching (cla: yes)

[9428](#) Update README.md for consistency with framework (cla: yes)

[9431](#) Generate weak pointers only in the platform thread (cla: yes)

[9436](#) Add the functionality to merge and unmerge MessageLoopTaskQueues (cla: yes)

[9439](#) Eliminate unused import in FlutterView (cla: yes)

[9446](#) Revert "Roll fuchsia/sdk/core/mac-amd64 from Cx51F... to e8sS_..." (cla: yes)

[9449](#) Revert "Roll fuchsia/sdk/core/linux-amd64 from udf6w... to jQ8aw..." (cla: yes)

[9450](#) Revert "Roll fuchsia/sdk/core/mac-amd64 from Cx51F... to w-3t4..." (cla: yes)

[9452](#) Convert RRect.scaleRadii to public method (affects: framework, cla: yes)

[9456](#) Made sure that the run_tests script returns the right error code. (cla: yes)

[9458](#) Test cleanup geometry_test.dart (affects: tests, cla: yes)

[9459](#) Remove unused/unimplemented shell constructor (cla: yes)

[9460](#) Fixed logLevel filter bug so that filter now works as expected. (cla: yes)

[9461](#) Adds API for retaining intermediate engine layers (cla: yes)

[9462](#) Reland Update harfbuzz to 2.5.2 (cla: yes)

[9463](#) Removed unused imports in new embedding. (cla: yes)

[9464](#) Added shebangs to ios unit test scripts. (cla: yes)

[9466](#) Re-enable the Wuffs GIF decoder (cla: yes)

[9467](#) ios-unit-tests: Forgot a usage of a variable in our script. (cla: yes)

[9468](#) Manually draw remainder curve for wavy decorations (cla: yes)

[9469](#) ios-unit-tests: Fixed ocmock system header search paths. (cla: yes)

[9471](#) ios-unit-tests: Started using rsync instead of cp -R to copy frameworks. (cla: yes)

[9476](#) fix NPE when a touch event is sent to an unknown Android platform view (cla: yes)

[9478](#) iOS PlatformView clip path (cla: yes)

[9480](#) Revert "IOS Platform view transform/clipping (#9075)" (cla: yes)

[9482](#) Re-enable embedder_unittests. (cla: yes)

[9483](#) Reland "IOS Platform view transform/clipping (#9075)" and fix the breakage. (cla: yes)

[9485](#) Add --observatory-host switch (cla: yes)

[9486](#) Rework image & texture management to use concurrent message queues. (cla: yes)

[9489](#) Handle ambiguous directionality of final trailing whitespace in mixed bidi text (cla: yes)

[9490](#) fix a bug where the platform view's transform is not reset before set frame (cla: yes)

[9491](#) Purge caches on low memory on iOS (cla: yes)

[9493](#) Run benchmarks on try jobs. (cla: yes)

[9495](#) fix build breakage on PlatformViews.mm (cla: yes)

[9501](#) [android] External textures must be rescaled to fill the canvas (cla: yes)

[9503](#) Improve caching limits for Skia (cla: yes)

[9506](9506) Synchronize main thread and gpu thread for first render frame (cla: yes)

[9507](9507) Revert Skia version to d8f79a27b06b5bce7a27f89ce2d43d39f8c058dc (cla: yes)

[9508](9508) Support image filter on paint (cla: yes)

[9509](9509) Roll Fuchsia SDK to latest (cla: yes)

[9518](9518) Bump dart_resource_rev to f8e37558a1c4f54550aa463b88a6a831e3e33cd6 (cla: yes)

[9525](9525) Android Embedding Refactor PR36: Add splash screen support. (cla: yes)

[9532](9532) fix FlutterOverlayView doesn't remove from superview in some cases (cla: yes)

[9546](9546) [all] add fuchsia.{net.NameLookup,posix.socket.Provider} (cla: yes)

[9556](9556) Minimal integration with the Skia text shaper module (cla: yes)

[9559](9559) Roll src/third_party/dart b37aa3b036...1eb113ba27 (cla: yes)

[9561](9561) libtxt: fix reference counting of SkFontStyleSets held by font asset providers (cla: yes)

[9562](9562) Switched preprocessor logic for exporting symbols for testing. (cla: yes)

[9581](9581) Revert "Avoid a full screen overlay within virtual displays" (cla: yes)

[9584](9584) Revert " Roll src/third_party/dart b37aa3b036...1eb113ba27" (cla: yes)

[9585](9585) Fix a race in the embedder accessibility unit test (cla: yes)

[9588](9588) Roll src/third_party/dart b37aa3b036...0abff7b2bb (cla: yes)

[9589](9589) Fixes a plugin overwrite bug in the plugin shim system. (cla: yes)

[9590](9590) Apply patches that have landed in topaz since we ported the runners to the engine repo (cla: yes)

[9591](9591) Document various classes in //flutter/shell/common. (cla: yes)

[9593](9593) [trace clients] Remove fuchsia.tracelink.Registry (cla: yes)

[9608](9608) Disable failing Mutators tests (cla: yes)

[9613](9613) Fix uninitialized variables and put tests in flutter namespace. (cla: yes)

[9632](9632) Added Doxyfile. (cla: yes)

[9633](9633) Cherry-pick fix for flutter/flutter#35291 (cla: yes)

[9634](9634) Roll Dart to 67ab3be10d35d994641da167cc806f20a7ffa679 (cla: yes)

[9636](9636) Added shebangs to ios unit test scripts. (#9464) (cla: yes)

[9637](9637) Revert "Roll Dart to 67ab3be10d35d994641da167cc806f20a7ffa679 (#9634)" (cla: yes)

[9638](9638) Reland: Roll Dart to 67ab3be10d35d994641da167cc806f20a7ffa679 (cla: yes)

[9640](9640) make EmbeddedViewParams a unique ptr (cla: yes)

[9641](9641) Let pushColorFilter accept all types of ColorFilters (cla: yes)

[9642](9642) Fix warning about settings unavailable GN arg build_glfw_shell (cla: yes)

[9649](#) Roll buildroot to c5a493b25. (cla: yes)

[9651](#) Move the mutators stack handling to preroll (cla: yes)

[9652](#) Pipeline allows continuations that can produce to front (cla: yes)

[9653](#) External view embedder can tell if embedded views have mutated (cla: yes)

[9654](#) Begin separating macOS engine from view controller (cla: yes)

[9655](#) Allow embedders to add callbacks for responses to platform messages from the framework. (cla: yes)

[9660](#) ExternalViewEmbedder can CancelFrame after pre-roll (cla: yes)

[9661](#) Raster now returns an enum rather than boolean (cla: yes)

[9663](#) Mutators Stack refactoring (cla: yes)

[9667](#) iOS platform view opacity (cla: yes)

[9668](#) Refactor ColorFilter to have a native wrapper (cla: yes)

[9669](#) Improve window documentation (cla: yes)

[9670](#) Roll src/third_party/dart 67ab3be10d...43891316ca (cla: yes)

[9672](#) Add FLEDartProject for macOS embedding (cla: yes)

[9673](#) Revert " Roll src/third_party/dart 67ab3be10d...43891316ca" (cla: yes)

[9675](#) Roll src/third_party/dart 67ab3be10d...b5aeaa6796 (cla: yes)

[9685](#) fix Picture.toImage return type check and api conform test. (cla: yes)

[9698](#) Ensure that platform messages without response handles can be dispatched. (cla: yes)

[9707](#) Revert "Revert "Use track-widget-creation transformer included in the... (cla: yes)

[9708](#) Roll src/third_party/dart b5aeaa6796...966038ef58 (cla: yes)

[9711](#) Revert "Roll src/third_party/dart b5aeaa6796...966038ef58" (cla: yes)

[9713](#) Explain why OpacityLayer has an offset field (cla: yes)

[9716](#) Roll src/third_party/dart b5aeaa6796..06c3d7ad3a (44 commits) (cla: yes)

[9717](#) Fixed logLevel filter bug so that filter now works as expected. (#9460) (cla: yes)

[9721](#) Add comments to differentiate two cache paths (cla: yes)

[9722](#) Forwards iOS dark mode trait to the Flutter framework (#34441). (cla: yes)

[9723](#) Roll src/third_party/dart 06c3d7ad3a..7acecda2cc (12 commits) (cla: yes)

[9724](#) Revert "Roll src/third_party/dart 06c3d7ad3a..7acecda2cc (12 commits)")

[9725](#) Make the license script compatible with recently changed Dart I/O stream APIs (cla: yes)

[9727](#) Add hooks for InputConnection lock and unlocking (cla: yes)

[9728](#) Roll src/third_party/dart 06c3d7ad3a...09fc76bc51 (cla: yes)

[9730](#) Fix Fuchsia build. (cla: yes)

[9734](#) Fix backspace crash on Chinese devices (cla: yes)

[9736](#) Build Fuchsia as part of CI presumit (cla: yes)

[9737](#) Use libc++ variant of string view and remove the FML variant. (cla: yes)

[9740](#) Revert "Improve caching limits for Skia" (cla: yes)

[9741](#) Make FLEViewController's view an internal detail (cla: yes)

[9745](#) Fix windows test by not attempting to open a directory as a file. (cla: yes)

[9746](#) Make all shell unit tests use the OpenGL rasterizer. (cla: yes)

[9747](#) Remove get engine (cla: yes)

[9750](#) FLEViewController/Engine API changes (cla: yes)

[9758](#) Include SkParagraph headers only when the enable-skshaper flag is on (cla: yes)

[9762](#) Fall back to a fully qualified path to libapp.so if the library can not be loaded by name (cla: yes)

[9767](#) Un-deprecated FlutterViewController's binaryMessenger. (cla: yes)

[9769](#) Document //flutter/shell/common/engine. (cla: yes)

[9772](#) fix objcdoc generation (cla: yes)

[9781](#) SendPlatformMessage allow null message value (cla: yes)

[9787](#) Roll src/third_party/dart 09fc76bc51..24725a8559 (43 commits) (cla: yes)

[9789](#) fix ColorFilter.matrix constness (cla: yes)

[9791](#) Roll Wuffs and buildroot (cla: yes)

[9792](#) Update flutter_web to latest (cla: yes)

[9793](#) Fix typo in PlaceholderAlignment docs (cla: yes)

[9797](#) Remove breaking asserts (cla: yes)

[9799](#) Update buildroot to c4df4a7b to pull in MSVC 2017 Update 9 on Windows. (cla: yes)

[9808](#) Document FontFeature class (cla: yes)

[9809](#) Document //flutter/shell/common/rasterizer (cla: yes)

[9812](#) Roll src/third_party/dart 24725a8559..28f95fcd24 (32 commits) (cla: yes)

[9813](#) Made Picture::toImage happen on the IO thread with no need for an onscreen surface. (cla: yes)

[9815](#) Made the persistent cache's directory a const pointer. (cla: yes)

[9816](#) Only release the image data in the unit-test once Skia has accepted ownership of it. (cla: yes)

[9817](#) Revert "Roll src/third_party/dart 24725a8559..28f95fcd24 (32 commits)" (cla: yes)

[9818](#) Convert run_tests to python, allow running on Mac/Windows and allow filters for tests. (cla: yes)

[9819](#) Allow for dynamic thread merging on IOS for embedded view mutations (cla: yes)

[9823](#) Roll buildroot to support bitcode enabled builds for iOS (cla: yes)

[9825](#) In a single frame codec, release the encoded image buffer after giving it to the decoder (cla: yes)

[9826](#) Roll src/third_party/dart 24725a8559..cbaf890f88 (33 commits) (cla: yes)

[9828](#) Make the virtual display's window translucent (cla: yes)

[9829](#) Revert "Roll src/third_party/dart 24725a8559..cbaf890f88 (33 commits)" (cla: yes)

[9835](#) [Windows] Alternative Windows shell platform implementation (affects: desktop, cla: yes, waiting for tree to go green)

[9847](#) Started adding the engine hash to frameworks' Info.plist. (cla: yes)

[9849](#) Preserve the alpha for VD content by setting a transparent background. (cla: yes)

[9850](#) Add multi-line flag to semantics (cla: yes)

[9851](#) Add a macro for prefixing embedder.h symbols (cla: yes)

[9852](#) Selectively enable tests that work on Windows and file issues for ones that don't. (cla: yes)

[9855](#) Fix missing assignment to _allowHeadlessExecution (cla: yes)

[9856](#) Disable Fuchsia Debug & Release presubmits and only attempt the Profile unopt variant. (cla: yes)

[9857](#) Fix fuchsia license detection (cla: yes)

[9859](#) Fix justify for RTL paragraphs. (cla: yes, waiting for tree to go green)

[9866](#) Update buildroot to pick up Fuchsia artifact roller. (cla: yes)

[9867](#) Fixed error in generated xml Info.plist. (cla: yes)

[9873](#) Add clang version to Info.plist (cla: yes)

[9875](#) Simplify buildtools (cla: yes)

[9883](#) Roll src/third_party/dart 24725a8559..2b3336b51e (108 commits) (cla: yes)

[9890](#) Log dlopen errors only in debug mode (cla: yes)

[9893](#) Removed logic from FlutterAppDelegate into FlutterPluginAppLifeCycleDelegate (cla: yes)

[9894](#) Add the isMultiline semantics flag to values (cla: yes)

[9895](#) Android Embedding PR37: Separated FlutterActivity and FlutterFragment via FlutterActivityAndFragmentDelegate (cla: yes)

[9896](#) Capture stderr for ninja command (cla: yes)

[9898](#) v1.7.8 hotfixes (cla: yes)

[9901](#) Handle decompressed images in InstantiateImageCodec (cla: yes)

[9903](#) Revert to using fml::StringView instead of std::string_view (cla: yes)

[9905](#) Respect EXIF information while decompressing images. (cla: yes)

[9906](#) Update libcxx & libcxxabi to HEAD in prep for compiler upgrade. (cla: yes)

[9909](#) Roll src/third_party/dart 6bf1f8e280..63120303a7 (4 commits) (cla: yes)

[9919](#) Removed unused method. (cla: yes)

[9920](#) Fix caching of Locale.toString (cla: yes)

[9922](#) Split out lifecycle protocol (cla: yes)

[9923](#) Fix failure of the onReportTimings window hook test (cla: yes)

[9924](#) Don't try to use unset assets_dir setting (cla: yes)

[9925](#) Fix the geometry test to reflect that OffsetBase comparison operators are a partial ordering (cla: yes)

[9927](#) Update Buildroot Version (cla: yes)

[9929](#) Update the exception thrown for invalid data in the codec test (cla: yes)

[9931](#) Fix reentrancy handling in SingleFrameCodec (cla: yes)

[9932](#) Exit flutter_tester with an error code on an unhandled exception (cla: yes)

[9933](#) Build fuchsia artifacts from the engine (cla: yes)

[9934](#) Updates to the engine test runner script (cla: yes)

[9935](#) Fix backspace crash on Chinese devices (#9734) (cla: yes)

[9936](#) Move development.key from buildroot (cla: yes)

[9937](#) [platform view] do not make clipping view and interceptor view clipToBounds (cla: yes)

[9938](#) Removed PlatformViewsController if-statements from TextInputPlugin (#34286). (cla: yes)

[9939](#) Added hasRenderedFirstFrame() to old FlutterView for Espresso (#36211). (cla: yes)

[9948](#) [glfw] Enables replies on binary messenger in glfw embedder (cla: yes)

[9951](#) Roll src/third_party/dart 63120303a7...a089199b93 (cla: yes)

[9952](#) ios: Fixed the callback for the first frame so that it isn't predicated on having a splash screen. (cla: yes)

[9953](#) [macos] Add reply to binary messenger (cla: yes)

[9954](#) Add working Robolectric tests (cla: yes)

[9958](#) Clean up cirrus.yml file a little (cla: yes)

[9959](#) Update Dart engine tests to check for assertion failures only when running in debug mode (cla: yes)

[9961](#) Fix return type of assert function in gradient_test (cla: yes)

[9977](#) Fix flutter/flutter #34791 (cla: yes, platform-android)

[9987](#) Update GN to git_revision:152c5144ceed9592c20f0c8fd55769646077569b (cla: yes)

[9998](#) [luci] Reference the right fuchsia CIPD and upload only once (cla: yes)

[9999](#) Add support for Android's visible password input type (affects: text input, cla: yes)

[10001](#) Roll src/third_party/dart a089199b93..fedd74669a (8 commits) (cla: yes)

[10003](#) Declare a copy of the enable_bitcode flag within the Flutter build scripts for use in Fuchsia builds (cla: yes)

[10004](#) [fuchsia] Use GatherArtifacts to create the requisite dir structure (cla: yes)

[10007](#) Embedding testing app (cla: yes)

[10009](#) [macos] Revert check on FlutterCodecs and refactor message function] (cla: yes)

[10010](#) Use simarm_x64 when targeting arm (cla: yes)

[10012](#) Undelete used method (cla: yes)

[10021](#) Added a DartExecutor API for querying # of pending channel callbacks (cla: yes)

[10056](#) Update .cirrus.yml (cla: yes)

[10063](#) Track clusters and return cluster boundaries in getGlyphPositionForCoordinates (emoji fix) (affects: text input, cla: yes, crash)

[10064](#) Disable DartLifecycleTest::ShuttingDownTheVMShutsDownAllIsolates in runtime_unittests. (cla: yes)

[10065](#) test scenario_app on CI (cla: yes)

[10066](#) Roll src/third_party/dart fedd74669a..9c148623c5 (70 commits) (cla: yes)

[10068](#) Fixed memory leak with engine registrars. (cla: yes)

[10069](#) Enable consts from environment in DDK for flutter_web (cla: yes)

[10073](#) Basic structure for flutter_jit_runner far (cla: yes)

[10074](#) Change ParagraphBuilder to replace the parent style's font families with the child style's font families (cla: yes)

[10075](#) Change flutter runner target for LUCI (cla: yes)

[10078](#) One more luci fix (cla: yes)

[10081](#) [fuchsia] Add support for libs in packages (cla: yes)

[10082](#) [fuchsia] Add sysroot and clang libs to package (cla: yes)

[10085](#) [fuchsia] Use the new far package model (cla: yes)

[10087](#) [fuchsia] copy over the cmx file (cla: yes)

[10096](#) Roll src/third_party/skia 3ae30cc2e6e0..1cd1ed8976c4 (1 commits) (autoroller: dryrun, cla: yes)

[10097](#) Roll src/third_party/skia 1cd1ed8976c4..f564f1515bde (1 commits) (autoroller: dryrun, cla: yes)

[10098](#) Roll src/third_party/dart 9c148623c5..82f657d7cb (25 commits) (cla: yes)

[10100](#) Roll src/third_party/skia f564f1515bde..fdf4bfe6d389 (1 commits) (autoroller: dryrun, cla: yes)

[10101](#) Roll src/third_party/skia fdf4bfe6d389..b3956dc6ba6a (1 commits) (autoroller: dryrun, cla: yes)

[10102](#) [fuchsia] Use manifest file to better replicate the existing build (cla: yes)

[10109](#) Cache font family lookups that fail to obtain a font collection (cla: yes)

[10114](#) Roll src/third_party/dart 82f657d7cb..0c97c31b6e (7 commits) (cla: yes)

10122 [fuchsia] Use the patched sdk to generate the flutter jit runner far (cla: yes)

10127 Track detailed LibTxt metrics (cla: yes)

10128 Started linking the test targets against Flutter. (cla: yes)

10139 Roll src/third_party/dart 0c97c31b6e..a2aec5eb06 (22 commits) (cla: yes)

10140 Revert "[fuchsia] Use the patched sdk to generate the flutter jit run... (cla: yes)

10141 Revert "[macos] Revert check on FlutterCodecs and refactor message fu... (cla: yes)

10143 Disable windows tests (cla: yes)

10144 [fuchsia] Push CMX to fars and add product mode support (cla: yes)

10145 Added integration test that tests that the first frame callback is called (cla: yes)

10146 Revert "Disable windows tests" (cla: yes)

10150 [fuchsia] Remove extraneous ShapeNodes (cla: yes)

10151 [fucshia] fix name to reflect the cmx file (cla: yes)

10153 Add gclient_gn_args_file to DEPS (cla: yes)

10155 src/third_party/dart a2aec5eb06...86dba81dec (cla: yes)

10160 Roll src/third_party/dart 86dba81dec..0ca1582afd (2 commits) (cla: yes)

10171 [fuchsia] Add support for aot mode in flutter runner (cla: yes)

10172 [dart_runner] Rename dart to dart runner (cla: yes)

10176 Add suggested Java changes from flutter roll (cla: yes, platform-android)

10178 Removed unnecessary call to find the App.framework. (cla: yes)

10179 [dart_runner] dart jit runner and dart jit product runner (cla: yes)

10183 [fuchsia] Uncomment publish to CIPD (cla: yes)

10185 Add better CIPD docs. (cla: yes)

10186 Ensure debug-mode apps are always attached on iOS. (cla: yes)

10188 [fuchsia] Artifacts now contain gen_snapshot and gen_snapshot_product (cla: yes)

10189 [macos] Reland function refactor (cla: yes)

10195 Allow embedder controlled composition of Flutter layers. (cla: yes)

10226 Roll src/third_party/dart 0ca1582afd..1e43d65d4a (50 commits) (cla: yes)

10235 Deprecate FlutterView#enableTransparentBackground (cla: yes)

10240 [fuchsia] Update buildroot to support arm64 (cla: yes)

10242 Remove Dead Scenic Clipping Code Path. (cla: yes)

10246 [fuchsia] Start building dart_patched_sdk (cla: yes)

10250 Android Embedding Refactor 38: Removed AssetManager from DartEntrypoint. (cla: yes)

10260 [fuchsia] Add arm64 builds for flutter and dart runner (cla: yes)

10261 [fuchsia] Bundle architecture specific gen_snapshots (cla: yes)

10265 [dart-roll] Roll dart sdk to 80c4954d4d1d2a257005793d83b601f3ff2997a2 (cla: yes)

10268 [fuchsia] Make cirrus build fuchsia artifacts (cla: yes)

10273 Remove one last final call to AddPart() (cla: yes)

10282 Export FFI from sky_engine. (cla: yes)

10293 Add fuchsia.stamp for roller (cla: yes)

10294 Roll src/third_party/dart 80c4954d4d..bd049f5b53 (37 commits) (cla: yes)

10295 Fix memory overrun in minikin patch (cla: yes, crash)

10296 fix CI (cla: yes)

10297 Ensure that the SingleFrameCodec stays alive until the ImageDecoder invokes its callback (cla: yes)

10298 Fix red build again (cla: yes)

10303 Make tree green for real this time, I promise. (cla: yes)

10309 [fuchsia] Kernel compiler is now ready (cla: yes)

10381 Fix empty composing range on iOS (cla: yes)

10386 Don't use DBC for hot-reload on iOS. (cla: yes)

10403 [fuchsia] Add kernel compiler target (cla: yes)

10413 Pass Android Q insets.systemGestureInsets to Window (cla: yes, platform-android)

10414 expose max depth on Window (cla: yes)

10419 Make kernel compiler use host toolchain (cla: yes)

10423 Fix mac gen_snapshot uploader (cla: yes)

10424 Fix deprecation warnings in the Android embedding (cla: yes)

10430 Add copy_gen_snapshots.py tool (cla: yes)

10434 Reland Skia Caching improvements (cla: yes)

10437 Roll src/third_party/dart bd049f5b53...622ec5099f (cla: yes)

10440 Revert "Remove one last final call to AddPart()" (cla: yes)

10475 Roll src/third_party/dart 622ec5099f...9bb446aae1 (14 commits) (cla: yes)

10477 Add #else, #endif condition comments (cla: yes)

10478 Migrate Fuchsia runners to SDK tracing API (cla: yes)

10479 Delete unused create_macos_gen_snapshot.py script (cla: yes)

10481 Android embedding refactor pr40 add static engine cache (cla: yes)

10484 Roll src/third_party/dart 9bb446aae1...4bebfebdbc (7 commits). (cla: yes)

10485 Remove semi-redundant try-jobs. (cla: yes)

10629 Fix engine platformviewscontroller leak (cla: yes)

10633 skip flaky tests (cla: yes)

10634 Use Fuchsia trace macros when targeting Fuchsia SDK (cla: yes)

10635 [fuchsia] CloneChannelFromFD fix for system.cc (cla: yes)

10636 Fix threading and re-enable resource cache shell unit-tests. (cla: yes)

10637 Document the thread test fixture. (cla: yes)

10642 Roll src/third_party/dart 4bebfebdbc..8cd01287b4 (30 commits) (cla: yes)

10644 [flutter_runner] Port: Add connectToService, wrapping fdio_ns_connect. (cla: yes)

10645 Don't use DBC for hot-reload on iOS. (cla: yes)

10652 Allow embedders to control Dart VM lifecycle on engine shutdown. (cla: yes)

10656 fix iOS keyboard crash : -[__NSCFString substringWithRange:], range o... (cla: yes)

10662 bump local podspec's ios deployment target version from 7.0 to 8.0 (cla: yes)

10663 Roll src/third_party/dart 8cd01287b4..574c4a51c6 (35 commits) (cla: yes)

10667 Roll buildroot for ANGLE support (cla: yes)

10671 Roll src/third_party/dart 574c4a51c6..c262cbd414 (11 commits) (cla: yes)

10674 When setting up AOT snapshots from symbol references, make buffer sizes optional. (cla: yes)

10675 Improvements to the flutter GDB script (cla: yes)

10679 Roll buildroot to pick up EGL library name fix (cla: yes)

10681 Roll buildroot back to an earlier version (cla: yes)

10682 Roll src/third_party/dart c262cbd414..8740bb5c68 (18 commits) (cla: yes)

10687 Roll src/third_party/dart 8740bb5c68..f3139f57b4 (7 commits) (cla: yes)

10692 Rolls engine to Android SDK 29 and its corresponding tools (cla: yes)

10693 Roll src/third_party/dart f3139f57b4..f29f41f1a5 (3 commits) (cla: yes)

10694 Roll buildroot (cla: yes)

10699 Roll swiftshader (cla: yes)

10700 [fuchsia] Migrate from custom FuchsiaFontManager to SkFontMgr_fuchsia (cla: yes)

10703 Test perf overlay gold on Linux (cla: yes)

10705 Revert "Remove semi-redundant try-jobs. (#10485)" (cla: yes)

[10717](#) Specify which android variant for tests (cla: yes, waiting for tree to go green)

[10719](#) Include Maven dependency in files.json (cla: yes)

[10771](#) Don't use gradle daemon for building (cla: yes, waiting for tree to go green)

[10773](#) Remove use of the deprecated AccessibilityNodeInfo boundsInParent API (cla: yes)

[10774](#) Manual roll of Fuchsia clang/linux-amd64 toolchain (cla: yes)

[10776](#) rename stub_ui to web_ui (cla: yes)

[10777](#) Manually roll Skia to pull in iOS armv7 build failure fix. (cla: yes)

[10778](#) Build JARs containing the Android embedding sources and the engine native library (cla: yes)

[10780](#) [flutter_runner] Improve frame scheduling (cla: yes)

[10781](#) [flutter] Create the compositor context on the GPU task runner. (cla: yes)

[10782](#) Update license script to handle ANGLE (cla: yes)

[10783](#) Make firebase test more LUCI friendly (cla: yes)

[10784](#) Roll buildroot for ANGLE support (cla: yes)

[10786](#) Remove 3 semi-redundant try-jobs (cla: yes)

[10787](#) Change call to |AddPart| to |AddChild| (cla: yes)

[10788](#) Wire up a concurrent message loop backed SkExecutor for Skia. (cla: yes)

[10789](#) Revert "Forwards iOS dark mode trait to the Flutter framework.". (cla: yes)

[10791](#) Re-lands platform brightness support on iOS (cla: yes)

[10797](#) Rename artifacts so they match the Maven convention (cla: yes)

[10799](#) Add a test for creating images from bytes. (cla: yes)

[10802](#) Roll src/third_party/dart f29f41f1a5..3d9a356f6e (65 commits) (cla: yes)

[10805](#) Roll src/third_party/dart 3d9a356f6e..78ce916d82 (7 commits) (cla: yes)

[10808](#) Remove flutter_kernel_sdk dart script (cla: yes)

[10809](#) [dart:zircon] Porting Cache re-usable handle wait objects (cla: yes)

[10810](#) Roll Dart SDK 78ce916d82..15a3bf82cb (cla: yes)

[10811](#) Revert "Remove flutter_kernel_sdk dart script" (cla: yes)

[10815](#) Return an empty mapping for an empty file asset (cla: yes)

[10816](#) Add firstFrameDidRender to FlutterViewController (cla: yes)

[10817](#) Roll src/third_party/dart 15a3bf82cb..ffefa124a7 (11 commits) (cla: yes)

[10820](#) iOS JIT support and enhancements for scenarios app (cla: yes)

[10821](#) Roll src/third_party/dart ffefa124a7..e29d6d0ecb (4 commits) (cla: yes)

10823 Expose isolateId for engine (cla: yes)

10905 Roll src/third_party/dart e29d6d0ecb..261fd6266b (2 commits) (cla: yes)

10925 Roll src/third_party/dart 261fd6266b..9adf3c119e (2 commits) (cla: yes)

10934 Roll src/third_party/dart 9adf3c119e..32b70ce2a5 (3 commits) (cla: yes)

10941 Report test failures in run_tests.py (cla: yes)

10946 Roll src/third_party/dart 32b70ce2a5..896c053803 (1 commits) (cla: yes)

10949 Fix iOS references to PostPrerollResult (cla: yes)

10952 Change SemanticsNode#children lists to be non-null (cla: yes)

10955 Fix format (cla: yes)

10956 Increase the license block scan from 5k to 6k (cla: yes)

10962 Roll src/third_party/dart 896c053803..b31df28d72 (10 commits) (cla: yes)

10966 Roll src/third_party/dart b31df28d72..baebba06af (5 commits) (cla: yes)

10968 include zx::clock from new location to fix Fuchsia autoroll. (cla: yes)

10973 Roll src/third_party/dart baebba06af..06509e333d (7 commits) (cla: yes)

10975 Roll src/third_party/dart 06509e333d..9aea1f3489 (8 commits) (cla: yes)

10977 Roll src/third_party/dart 9aea1f3489..b9217efc77 (7 commits) (cla: yes)

10981 Roll src/third_party/dart b9217efc77..20407e28db (6 commits) (cla: yes)

10982 Revert "Track detailed LibTxt metrics" (cla: yes)

10983 Roll src/third_party/dart 20407e28db..45f892df68 (2 commits) (cla: yes)

10987 Roll src/third_party/dart 45f892df68..88c43bbcc4 (7 commits) (cla: yes)

10990 Roll src/third_party/dart 88c43bbcc4..b173229baa (14 commits) (cla: yes)

10993 Roll src/third_party/dart b173229baa..76c99bcd01 (5 commits) (cla: yes)

10997 Roll src/third_party/dart 76c99bcd01..c4727fddf4 (10 commits) (cla: yes)

10999 Add script for running ios Tests on simulator (cla: yes)

11001 Avoid dynamic lookups of the engine library's symbols on Android (cla: yes)

11002 Remove a tracing macro with a dangling pointer (cla: yes)

11003 Roll src/third_party/dart c4727fddf4..e35e8833ee (1 commits) (cla: yes)

11004 Trace RasterCacheResult::Draw (cla: yes)

11005 Drop firebase test from Cirrus (cla: yes)

11006 On iOS report the preferred frames per second to tools via service protocol. (cla: yes)

11007 Update README.md (cla: yes)

11009 Revert "Update README.md" (cla: yes)

11010 Rename macOS FLE* classes to Flutter* (affects: desktop, cla: yes, platform-macos, waiting for tree to go green)

11011 Initialize the engine in the running state to match the animator's default state (cla: yes)

11012 Remove the ParagraphImpl class from the text API (cla: yes)

11013 Remove ability to override mac_sdk_path in flutter/tools/gn (cla: yes)

11015 Remove the output directory prefix from the Android engine JAR filename (cla: yes)

11016 Fix gn breakage on Fuchsia macOS host builds (cla: yes)

11017 Roll src/third_party/dart e35e8833ee..e35e8833ee (0 commits) (cla: yes)

11019 Fix gn breakage on non-Fuchsia macOS host builds (cla: yes)

11023 Roll src/third_party/dart e35e8833ee..cae08c6813 (28 commits) (cla: yes)

11024 Add _glfw versions of the GLFW desktop libraries (cla: yes)

11026 Roll src/third_party/dart cae08c6813..9552646dc4 (3 commits) (cla: yes)

11027 Fix first frame logic (cla: yes)

11029 Disable a deprecation warning for use of a TaskDescription constructor for older platforms (cla: yes)

11030 Roll src/third_party/dart 9552646dc4..cd16fba718 (5 commits) (cla: yes)

11033 remove OS version (cla: yes)

11036 [fuchsia] Add required trace so files for fuchsia fars (cla: yes)

11037 Roll buildroot to pick up recent macOS changes (cla: yes)

11038 Make JIT work on iPhone armv7 (cla: yes)

11039 Roll src/third_party/dart cd16fba718..306f8e04bb (10 commits) (cla: yes)

11040 Hide verbose dart snapshot during run_test.py (cla: yes)

11043 Roll Dart back to e35e8833 (cla: yes)

11044 Roll src/third_party/dart 306f8e04bb..fecc4c8f2d (4 commits) (cla: yes)

11046 Add ccls config files to .gitignore (cla: yes)

11048 Roll src/third_party/dart e35e8833ee..2023f09b56 (67 commits) (cla: yes)

11052 Remove unused dstColorSpace argument to MakeCrossContextFromPixmap (cla: yes)

11055 Roll src/third_party/dart 2023f09b56..a3b579d5c3 (8 commits) (cla: yes)

11056 Sort the Skia typefaces in a font style set into a consistent order (cla: yes)

11060 Roll src/third_party/dart a3b579d5c3..2a3b844b41 (5 commits) (cla: yes)

11061 Roll buildroot to 5a33d6ab to pickup changes to toolchain version tracking. (cla: yes)

11066 Roll src/third_party/dart 2a3b844b41..8ab978b6d4 (7 commits) (cla: yes)

[11067](url) Minor update to the Robolectric test harness (cla: yes)

[11068](url) More updates to the Robolectric test harness (cla: yes)

[11071](url) Roll src/third_party/dart 8ab978b6d4..beee442625 (17 commits) (cla: yes)

[11072](url) Roll src/third_party/dart beee442625..79e6c74337 (8 commits) (cla: yes)

[11075](url) [dynamic_thread_merging] Resubmit only on the frame where the merge (cla: yes)

858 PRs were closed in flutter/engine. We omitted 436 PRs in this report because they were automated PRs, such as autoroller commits.