

Changelog

Airflow 2.0.1, 2021-02-08

Bug Fixes

- Bugfix: Return XCom Value in the XCom Endpoint API (#13684)
- Bugfix: Import error when using custom backend and `sql_alchemy_conn_secret` (#13260)
- Allow PID file path to be relative when daemonize a process (scheduler, kerberos, etc) (#13232)
- Bugfix: no generic `DROP CONSTRAINT` in MySQL during `airflow db upgrade` (#13239)
- Bugfix: Sync Access Control defined in DAGs when running `sync-perm` (#13377)
- Stop sending Callback Requests if no callbacks are defined on DAG (#13163)
- BugFix: Dag-level Callback Requests were not run (#13651)
- Stop creating duplicate Dag File Processors (#13662)
- Filter DagRuns with Task Instances in removed State while Scheduling (#13165)
- Bump `datatables.net` from 1.10.21 to 1.10.22 in `/airflow/www` (#13143)
- Bump `datatables.net` JS to 1.10.23 (#13253)
- Bump `dimpurify` from 2.0.12 to 2.2.6 in `/airflow/www` (#13164)
- Update minimum `cattr` version (#13223)
- Remove inapplicable arg 'output' for CLI pools import/export (#13071)
- Webserver: Fix the behavior to deactivate the authentication option and add docs (#13191)
- Fix: add support for no-menu plugin views (#11742)
- Add `python-daemon` limit for python 3.8+ to fix daemon crash (#13540)
- Change the default celery `worker_concurrency` to 16 (#13612)
- Audit Log records View should not contain link if `dag_id` is None (#13619)
- Fix invalid `continue_token` for cleanup list pods (#13563)
- Switches to latest version of snowflake connector (#13654)
- Fix backfill crash on task retry or reschedule (#13712)
- Setting `max_tis_per_query` to `0` now correctly removes the limit (#13512)
- Fix race conditions in task callback invocations (#10917)
- Fix webserver exiting when gunicorn master crashes (#13518)(#13780)
- Fix SQL syntax to check duplicate connections (#13783)
- `BaseBranchOperator` will push to xcom by default (#13704) (#13763)
- Fix Deprecation for `configuration.getsection` (#13804)
- Fix TaskNotFound in log endpoint (#13872)
- Fix race condition when using Dynamic DAGs (#13893)
- Fix: Linux/Chrome window bouncing in Webserver
- Fix db shell for sqlite (#13907)
- Only compare updated time when Serialized DAG exists (#13899)
- Fix dag run type enum query for mysqldb driver (#13278)
- Add authentication to lineage endpoint for experimental API (#13870)
- Do not add User role perms to custom roles. (#13856)
- Do not add `Website.can_read` access to default roles. (#13923)
- Fix invalid value error caused by long Kubernetes pod name (#13299)
- Fix DB Migration for SQLite to upgrade to 2.0 (#13921)
- Bugfix: Manual DagRun trigger should not skip scheduled runs (#13963)
- Stop loading Extra Operator links in Scheduler (#13932)
- Added missing return parameter in read function of `FileTaskHandler` (#14001)
- Bugfix: Do not try to create a duplicate Dag Run in Scheduler (#13920)
- Make `v1/config` endpoint respect webserver `expose_config` setting (#14020)
- Disable row level locking for Mariadb and MySQL <8 (#14031)
- Bugfix: Fix permissions to triggering only specific DAGs (#13922)
- Fix broken SLA Mechanism (#14056)
- Bugfix: Scheduler fails if task is removed at runtime (#14057)
- Remove permissions to read Configurations for User and Viewer roles (#14067)
- Fix DB Migration from 2.0.1rc1

Improvements

- Increase the default `min_file_process_interval` to decrease CPU Usage (#13664)
- Dispose connections when running tasks with `os.fork` & `CeleryExecutor` (#13265)
- Make function purpose clearer in `example_kubernetes_executor` example dag (#13216)
- Remove unused libraries - `flask-swagger`, `funcsigs` (#13178)
- Display alternative tooltip when a Task has yet to run (no TI) (#13162)
- User werkzeug's own type conversion for request args (#13184)
- UI: Add `queued_by_job_id` & `external_executor_id` Columns to TI View (#13266)
- Make `json-merge-patch` an optional library and unpin it (#13175)
- Adds missing LDAP "extra" dependencies to ldap provider. (#13308)
- Refactor `setup.py` to better reflect changes in providers (#13314)
- Pin `pyjwt` and Add integration tests for Apache Pinot (#13195)
- Removes provider-imposed requirements from `setup.cfg` (#13409)
- Replace deprecated decorator (#13443)
- Streamline & simplify `__eq__` methods in models Dag and BaseOperator (#13449)
- Additional properties should be allowed in provider schema (#13440)
- Remove unused dependency - `contextdecorator` (#13455)
- Remove 'typing' dependency (#13472)
- Log migrations info in consistent way (#13458)
- Unpin `mysql-connector-python` to allow `8.0.22` (#13370)
- Remove thrift as a core dependency (#13471)
- Add `NotFound` response for DELETE methods in OpenAPI YAML (#13550)
- Stop Log Spamming when `[core] lazy_load_plugins` is `False` (#13578)
- Display message and docs link when no plugins are loaded (#13599)
- Unpin restriction for `colorlog` dependency (#13176)
- Add missing Dag Tag for Example DAGs (#13665)
- Support tables in DAG docs (#13533)
- Add `python3-openid` dependency (#13714)
- Add `__repr__` for Executors (#13753)
- Add description to hint if `conn_type` is missing (#13778)
- Upgrade azure blob to v12 (#12188)
- Add extra field to `get_connection` REST endpoint (#13885)
- Make Smart Sensors DB Migration idempotent (#13892)
- Improve the error when DAG does not exist when running dag pause command (#13900)
- Update `airflow_local_settings.py` to fix an error message (#13927)
- Only allow passing JSON Serializable conf to `TriggerDagRunOperator` (#13964)
- Bugfix: Allow getting details of a DAG with null `start_date` (REST API) (#13959)
- Add params to the DAG details endpoint (#13790)
- Make the role assigned to anonymous users customizable (#14042)
- Retry critical methods in Scheduler loop in case of `OperationalError` (#14032)

Doc only changes

- Add Missing Statsd Metrics in Docs (#13708)
- Add Missing Email configs in Configuration doc (#13709)
- Add quick start for Airflow on Docker (#13660)
- Describe which Python versions are supported (#13259)
- Add note block to 2.x migration docs (#13094)
- Add documentation about `webserver_config.py` (#13155)
- Add missing version information to recently added configs (#13161)
- API: Use generic information in UpdateMask component (#13146)
- Add Airflow 2.0.0 to requirements table (#13140)
- Avoid confusion in doc for `CeleryKubernetesExecutor` (#13116)
- Update docs link in REST API spec (#13107)
- Add link to PyPI Repository to provider docs (#13064)
- Fix link to Airflow master branch documentation (#13179)
- Minor enhancements to Sensors docs (#13381)
- Use 2.0.0 in Airflow docs & Breeze (#13379)
- Improves documentation regarding providers and custom connections (#13375)(#13410)
- Fix malformed table in `production-deployment.rst` (#13395)
- Update `celery.rst` to fix broken links (#13400)
- Remove reference to scheduler `run_duration` param in docs (#13346)
- Set minimum SQLite version supported (#13412)

- Fix installation doc (#13462)
- Add docs about mocking variables and connections (#13502)
- Add docs about Flask CLI (#13500)
- Fix Upgrading to 2 guide to use `rbac` UI (#13569)
- Make docs clear that Auth can not be disabled for Stable API (#13568)
- Remove archived links from docs & add link for AIPs (#13580)
- Minor fixes in upgrading-to-2.rst (#13583)
- Fix Link in Upgrading to 2.0 guide (#13584)
- Fix heading for Mocking section in best-practices.rst (#13658)
- Add docs on how to use custom operators within plugins folder (#13186)
- Update docs to register Operator Extra Links (#13683)
- Improvements for database setup docs (#13696)
- Replace module path to Class with just Class Name (#13719)
- Update DAG Serialization docs (#13722)
- Fix link to Apache Airflow docs in webserver (#13250)
- Clarifies differences between extras and provider packages (#13810)
- Add information about all access methods to the environment (#13940)
- Docs: Fix FAQ on scheduler latency (#13969)
- Updated taskflow api doc to show dependency with sensor (#13968)
- Add deprecated config options to docs (#13883)
- Added a FAQ section to the Upgrading to 2 doc (#13979)

Airflow 1.10.14, 2020-12-10

Bug Fixes

- BugFix: Tasks with `depends_on_past` or `task_concurrency` are stuck (#12663)
- Fix issue with empty Resources in executor_config (#12633)
- Fix: Deprecated config `force_log_out_after` was not used (#12661)
- Fix empty asctime field in JSON formatted logs (#10515)
- [AIRFLOW-2809] Fix security issue regarding Flask SECRET_KEY (#3651)
- [AIRFLOW-2884] Fix Flask SECRET_KEY security issue in www_rbac (#3729)
- [AIRFLOW-2886] Generate random Flask SECRET_KEY in default config (#3738)
- Add missing comma in setup.py (#12790)
- Bugfix: Unable to import Airflow plugins on Python 3.8 (#12859)
- Fix setup.py missing comma in `setup_requires` (#12880)
- Don't emit first_task_scheduling_delay metric for only-once dags (#12835)

Improvements

- Update setup.py to get non-conflicting set of dependencies (#12636)
- Rename `[scheduler] max_threads` to `[scheduler] parsing_processes` (#12605)
- Add metric for scheduling delay between first run task & expected start time (#9544)
- Add new-style 2.0 command names for Airflow 1.10.x (#12725)
- Add Kubernetes cleanup-pods CLI command for Helm Chart (#11802)
- Don't let webserver run with dangerous config (#12747)
- Replace pkg_resources with `importlib.metadata` to avoid VersionConflict errors (#12694)

Doc only changes

- Clarified information about supported Databases

Airflow 1.10.13, 2020-11-25

New Features

- Add "already checked" to failed pods in K8sPodOperator (#11368)
- Pass SQLAlchemy engine options to FAB based UI (#11395)
- [AIRFLOW-4438] Add Gzip compression to S3_hook (#8571)
- Add permission "extra_links" for Viewer role and above (#10719)
- Add generate_yaml command to easily test KubernetesExecutor before deploying pods (#10677)
- Add Secrets backend for Microsoft Azure Key Vault (#10898)

Bug Fixes

- SkipMixin: Handle empty branches (#11120)
- [AIRFLOW-5274] dag loading duration metric name too long (#5890)
- Handle no Dagrun in DagrunIdDep (#8389) (#11343)
- Fix Kubernetes Executor logs for long dag names (#10942)
- Add on_kill support for the KubernetesPodOperator (#10666)
- KubernetesPodOperator template fix (#10963)
- Fix displaying of add serialized_dag table migration
- Fix Start Date tooltip on DAGs page (#10637)
- URL encode execution date in the Last Run link (#10595)
- Fixes issue with affinity backcompat in Airflow 1.10
- Fix KubernetesExecutor import in views.py
- Fix issues with Gantt View (#12419)
- Fix Entrypoint and _CMD config variables (#12411)
- Fix operator field update for SerializedBaseOperator (#10924)
- Limited cryptography to < 3.2 for python 2.7
- Install catr on Python 3.7 - Fix docs build on RTD (#12045)
- Limit version of marshmallow-sqlalchemy
- Pin *kubernetes* to a max version of 11.0.0 (#11974)
- Use snakebite-py3 for HDFS dependency for Python3 (#12340)
- Removes snakebite kerberos dependency (#10865)
- Fix failing dependencies for FAB and Celery (#10828)
- Fix pod_mutation_hook for 1.10.13 (#10850)
- Fix formatting of Host information
- Fix Logout Google Auth issue in Non-RBAC UI (#11890)
- Add missing imports to app.py (#10650)
- Show Generic Error for Charts & Query View in old UI (#12495)
- TimeSensor should respect the default_timezone config (#9699)
- TimeSensor should respect DAG timezone (#9882)
- Unify user session lifetime configuration (#11970)
- Handle outdated webserver session timeout gracefully. (#12332)

Improvements

- Add XCom.deserialize_value to Airflow 1.10.13 (#12328)
- Mount airflow.cfg to pod_template_file (#12311)
- All k8s object must comply with JSON Schema (#12003)
- Validate airflow chart values.yaml & values.schema.json (#11990)
- Pod template file uses custom custom env variable (#11480)
- Bump attrs and cattrs dependencies (#11969)
- Bump attrs to > 20.0 (#11799)
- [AIRFLOW-3607] Only query DB once per DAG run for TriggerRuleDep (#4751)
- Rename task with duplicate task_id
- Manage Flask AppBuilder Tables using Alembic Migrations (#12352)
- **airflow test** only works for tasks in 1.10, not whole dags (#11191)
- Improve warning messaging for duplicate task_ids in a DAG (#11126)
- Pins moto to 1.3.14 (#10986)
- DbApiHook: Support kwargs in get_pandas_df (#9730)
- Make grace_period_seconds option on K8sPodOperator (#10727)
- Fix syntax error in Dockerfile 'maintainer' Label (#10899)
- The entrypoints in Docker Image should be owned by Airflow (#10853)
- Make dockerfiles Google Shell Guide Compliant (#10734)
- clean-logs script for Dockerfile: trim logs before sleep (#10685)
- When sending tasks to celery from a sub-process, reset signal handlers (#11278)
- SkipMixin: Add missing session.commit() and test (#10421)
- Webserver: Further Sanitize values passed to origin param (#12459)
- Security upgrade lodash from 4.17.19 to 4.17.20 (#11095)
- Log instead of raise an Error for unregistered OperatorLinks (#11959)
- Mask Password in Log table when using the CLI (#11468)
- [AIRFLOW-3607] Optimize dep checking when depends on past set and concurrency limit
- Execute job cancel HTTPRequest in Dataproc Hook (#10361)
- Use rst lexer to format airflow upgrade check output (#11259)

- Remove deprecation warning from contrib/kubernetes/pod.py
- adding body as templated field for CloudSqlImportOperator (#10510)
- Change log level for User's session to DEBUG (#12414)

Deprecations

- Deprecate importing Hooks from plugin-created module (#12133)
- Deprecate adding Operators and Sensors via plugins (#12069)

Doc only changes

- [Doc] Correct description for macro task_instance_key_str (#11062)
- Checks if all the libraries in setup.py are listed in installation.rst file (#12023)
- Revise "Project Focus" copy (#12011)
- Move Project focus and Principles higher in the README (#11973)
- Remove archived link from README.md (#11945)
- Update download url for Airflow Version (#11800)
- Add Project URLs for PyPI page (#11801)
- Move Backport Providers docs to our docsite (#11136)
- Refactor rebase copy (#11030)
- Add missing images for kubernetes executor docs (#11083)
- Fix indentation in executor_config example (#10467)
- Enhanced the Kubernetes Executor doc (#10433)
- Refactor content to a markdown table (#10863)
- Rename "Beyond the Horizon" section and refactor content (#10802)
- Refactor official source section to use bullets (#10801)
- Add section for official source code (#10678)
- Add redbubble link to Airflow merchandise (#10359)
- README Doc: Link to Airflow directory in ASF Directory (#11137)
- Fix the default value for VaultBackend's config_path (#12518)

Airflow 1.10.12, 2020-08-25

New Features

- Add DateTimeSensor (#9697)
- Add AirflowClusterPolicyViolation support to airflow local settings (#10282)
- Get Airflow configs with sensitive data from Secret Backends (#9645)
- [AIRFLOW-4734] Upsert functionality for PostgresHook.insert_rows() (#8625)
- Allow defining custom XCom class (#8560)

Bug Fixes

- Add pre 1.10.11 Kubernetes Paths back with Deprecation Warning (#10067)
- Fixes PodMutationHook for backwards compatibility (#9903)
- Fix bug in executor_config when defining resources (#9935)
- Respect DAG Serialization setting when running sync_perm (#10321)
- Show correct duration on graph view for running task (#8311) (#8675)
- Fix regression in SQLThresholdCheckOperator (#9312)
- [AIRFLOW-6931] Fixed migrations to find all dependencies for MSSQL (#9891)
- Avoid sharing session with RenderedTaskInstanceFields write and delete (#9993)
- Fix clear future recursive when ExternalTaskMarker is used (#9515)
- Handle IntegrityError while creating TIs (#10136)
- Fix airflow-webserver startup errors when using Kerberos Auth (#10047)
- Fixes treatment of open slots in scheduler (#9316) (#9505)
- Fix KubernetesPodOperator reattachment (#10230)
- Fix more PodMutationHook issues for backwards compatibility (#10084)
- [AIRFLOW-5391] Do not re-run skipped tasks when they are cleared (#7276)
- Fix task_instance_mutation_hook (#9910)
- Fixes failing formatting of DAG file containing {} in docstring (#9779)
- Fix is_terminal_support_colors function (#9734)
- Fix PythonVirtualenvOperator when using `provide_context=True` (#8256)

- Fix issue with mounting volumes from secrets (#10366)
- BugFix: K8s Executor Multinamespace mode is evaluated to true by default (#10410)
- Make KubernetesExecutor recognize kubernetes_labels (#10412)
- Fix broken Kubernetes PodRuntimeInfoEnv (#10478)

Improvements

- Use Hash of Serialized DAG to determine DAG is changed or not (#10227)
- Update Serialized DAGs in Webserver when DAGs are Updated (#9851)
- Do not Update Serialized DAGs in DB if DAG did not change (#9850)
- Add __repr__ to SerializedDagModel (#9862)
- Update JS packages to latest versions (#9811) (#9921)
- UI Graph View: Focus upstream / downstream task dependencies on mouseover (#9303)
- Allow `image` in `KubernetesPodOperator` to be templated (#10068)
- [AIRFLOW-6843] Add `delete_option_kwargs` to `delete_namespaced_pod` (#7523)
- Improve process terminating in `scheduler_job` (#8064)
- Replace deprecated base classes used in `bigquery_check_operator` (#10272)
- [AIRFLOW-5897] Allow setting -1 as pool slots value in webserver (#6550)
- Limit all google-cloud api to <2.0.0 (#10317)
- [AIRFLOW-6706] Lazy load operator extra links (#7327) (#10318)
- Add Snowflake support to SQL operator and sensor (#9843)
- Makes multi-namespace mode optional (#9570)
- Pin Pyarrow < 1.0
- Pin pymongo version to <3.11.0
- Pin google-cloud-container to <2 (#9901)
- Dockerfile: Remove package.json and yarn.lock from the prod image (#9814)
- Dockerfile: The group of embedded DAGs should be root to be OpenShift compatible (#9794)
- Update upper limit of flask-swagger, gunicorn & jinja2 (#9684)
- Webserver: Sanitize values passed to origin param (#10334)
- Sort connection type list in add/edit page alphabetically (#8692)

Doc only changes

- Add new committers: Ry Walker & Leah Cole to project.rst (#9892)
- Add Qingping Hou to committers list (#9725)
- Updated link to official documentation (#9629)
- Create a short-link for Airflow Slack Invites (#10034)
- Fix docstrings in `BigQueryGetDataOperator` (#10042)
- Set language on code-block on docs/howto/email-config.rst (#10238)
- Remove duplicate line from 1.10.10 CHANGELOG (#10289)
- Improve heading on Email Configuration page (#10175)
- Fix link for the Jinja Project in docs/tutorial.rst (#10245)
- Create separate section for Cron Presets (#10247)
- Add Syntax Highlights to code-blocks in docs/best-practices.rst (#10258)
- Fix docstrings in `BigQueryGetDataOperator` (#10042)
- Fix typo in Task Lifecycle section (#9867)
- Make Secret Backend docs clearer about Variable & Connection View (#8913)

Airflow 1.10.11, 2020-07-10

New Features

- Add task instance mutation hook (#8852)
- Allow changing Task States Colors (#9520)
- Add support for AWS Secrets Manager as Secrets Backend (#8186)
- Add airflow info command to the CLI (#8704)
- Add Local Filesystem Secret Backend (#8596)
- Add Airflow config CLI command (#8694)
- Add Support for Python 3.8 (#8836) (#8823)
- Allow K8S worker pod to be configured from JSON/YAML file (#6230)
- Add quarterly to crontab presets (#6873)
- Add support for ephemeral storage on `KubernetesPodOperator` (#6337)
- Add `AirflowFailException` to fail without any retry (#7133)

- Add SQL Branch Operator (#8942)

Bug Fixes

- Use NULL as dag.description default value (#7593)
- BugFix: DAG trigger via UI error in RBAC UI (#8411)
- Fix logging issue when running tasks (#9363)
- Fix JSON encoding error in DockerOperator (#8287)
- Fix alembic crash due to typing import (#6547)
- Correctly restore upstream_task_ids when deserializing Operators (#8775)
- Correctly store non-default Nones in serialized tasks/dags (#8772)
- Correctly deserialize dagrun_timeout field on DAGs (#8735)
- Fix tree view if config contains " (#9250)
- Fix Dag Run UI execution date with timezone cannot be saved issue (#8902)
- Fix Migration for MSSQL (#8385)
- RBAC ui: Fix missing Y-axis labels with units in plots (#8252)
- RBAC ui: Fix missing task runs being rendered as circles instead (#8253)
- Fix: DagRuns page renders the state column with artifacts in old UI (#9612)
- Fix task and dag stats on home page (#8865)
- Fix the trigger_dag api in the case of nested subdags (#8081)
- UX Fix: Prevent undesired text selection with DAG title selection in Chrome (#8912)
- Fix connection add/edit for spark (#8685)
- Fix retries causing constraint violation on MySQL with DAG Serialization (#9336)
- [AIRFLOW-4472] Use json.dumps/loads for templating lineage data (#5253)
- Restrict google-cloud-texttospeech to <v2 (#9137)
- Fix pickling failure when spawning processes (#8671)
- Pin Version of Azure Cosmos to <4 (#8956)
- Azure storage 0.37.0 is not installable any more (#8833)
- Fix modal_backdrop z-index in the UI (#7313)
- Fix Extra Links in Gantt View (#8308)
- Bug fix for EmrAddStepOperator init with cluster_name error (#9235)
- Fix KubernetesPodOperator pod name length validation (#8829)
- Fix non updating DAG code by checking against last modification time (#8266)
- BugFix: Unpausing a DAG with catchup=False creates an extra DAG run (#8776)

Improvements

- Improve add_dag_code_table migration (#8176)
- Persistent display/filtering of DAG status (#8106)
- Set unique logger names (#7330)
- Update the version of cattr from 0.9 to 1.0 to support Python 3.8 (#7100)
- Reduce response payload size of /dag_stats and /task_stats (#8655)
- Add authenticator parameter to snowflake_hook (#8642)
- Show "Task Reschedule" table in Airflow Webserver (#9521)
- Change worker_refresh_interval fallback to default of 30 (#9588)
- Use pformat instead of str to render arguments in WebUI (#9587)
- Simplify DagFileProcessorManager (#7521)
- Reload gunicorn when plugins has been changed (#8997)
- Fix the default value for store_dag_code (#9554)
- Add support for fetching logs from running pods (#8626)
- Persist start/end date and duration for DummyOperator Task Instance (#8663)
- Ensure "started"/"ended" in tooltips are not shown if job not started (#8667)
- Add context to execution_date_fn in ExternalTaskSensor (#8702)
- Avoid color info in response of /dag_stats & /task_stats (#8742)
- Make loading plugins from entrypoint fault-tolerant (#8732)
- Refactor Kubernetes worker config (#7114)
- Add default conf parameter to Spark JDBC Hook (#8787)
- Allow passing backend_kwargs to AWS SSM client (#8802)
- Filter dags by clicking on tag (#8897)
- Support k8s auth method in Vault Secrets provider (#8640)
- Monitor pods by labels instead of names (#6377)
- Optimize count query on /home (#8729)
- Fix json string escape in tree view (#8551)
- Add TaskInstance state to TI Tooltip to be colour-blind friendlier (#8910)

- Add a tip to trigger DAG screen (#9049)
- Use Markup for htmlcontent for landing_times (#9242)
- Pinning max pandas version to 2.0 (lesser than) to allow pandas 1.0 (#7954)
- Update example webserver_config.py to show correct CSRF config (#8944)
- Fix displaying Executor Class Name in "Base Job" table (#8679)
- Use existing DagBag for 'dag_details' & 'trigger' Endpoints (#8501)
- Flush pending Sentry exceptions before exiting (#7232)
- Display DAG run conf in the list view (#6794)
- Fix performance degradation when updating dagrun state (#8435)
- Don't use the `|safe` filter in code, it's risky (#9180)
- Validate only task commands are run by executors (#9178)
- Show Deprecation warning on duplicate Task ids (#8728)
- Move DAG._schedule_interval logic out of DAG.__init__ (#8225)
- Make retrieving Paused Dag ids a separate method (#7587)
- Bulk fetch paused_dag_ids (#7476)
- Add a configurable DAGs volume mount path for Kubernetes (#8147)
- Add schedulername option for KubernetesPodOperator (#6088)
- Support running git sync container as root (#6312)
- Add extra options for Slack Webhook operator and Slack hook (#9409)
- Monkey patch greenlet celery pools (#8559)
- Decrypt secrets from SystemsManagerParameterStoreBackend (#9214)
- Prevent clickable sorting on non sortable columns in TI view (#8681)
- Make hive macros py3 compatible (#8598)
- Fix SVG tooltip positioning with custom scripting (#8269)
- Avoid unnecessary sleep to maintain local task job heart rate (#6553)
- Include some missing RBAC roles on User and Viewer roles (#9133)
- Show Dag's Markdown docs on Tree View (#9448)
- Improved compatibility with Python 3.5+ - Convert signal.SIGTERM to int (#9207)
- Add 'main' param to template_fields in DataprocSubmitPySparkJobOperator (#9154)
- Make it possible to silence warnings from Airflow (#9208)
- Remove redundant count query in BaseOperator.clear() (#9362)
- Fix DB migration message (#8988)
- Fix awkward log info in dbapi_hook (#8482)
- Fix Celery default to no longer allow pickle (#7205)
- Further validation that only task commands are run by executors (#9240)
- Remove vendored nvd3 and slugify libraries (#9136)
- Enable configurable git sync depth (#9094)
- Reduce the required resources for the Kubernetes's sidecar (#6062)
- Refactor K8S codebase with k8s API models (#5481)
- Move k8s executor out of contrib to closer match master (#8904)
- Allow filtering using "event" and "owner" in "Log" view (#4881)
- Add Yandex.Cloud custom connection to 1.10 (#8791)
- Add table-hover css class to DAGs table (#5033)
- Show un/pause errors in dags view. (#7669)
- Restructure database queries on /home (#4872)
- Add Cross Site Scripting defense (#6913)
- Make Gantt tooltip the same as Tree and Graph view (#8220)
- Add config to only delete worker pod on task failure (#7507)(#8312)
- Remove duplicate error message on chart connection failure (#8476)
- Remove default value spark_binary (#8508)
- Expose Airflow Webserver Port in Production Docker Image (#8228)
- Commit after each alembic migration (#4797)
- KubernetesPodOperator fixes and test (#6524)
- Docker Image: Add ADDITIONAL_AIRFLOW_EXTRAS (#9032)
- Docker Image: Add ADDITIONAL_PYTHON_DEPS (#9031)
- Remove httplib2 from Google requirements (#9194)
- Merging multiple sql operators (#9124)
- Adds hive as extra in pyhive dependency (#9075)
- Change default auth for experimental backend to deny_all (#9611)
- Restrict changing XCom values from the Webserver (#9614)
- Add __repr__ for DagTag so tags display properly in /dagmodel/show (#8719)
- Functionality to shuffle HMS connections used by HiveMetastoreHook facilitating load balancing (#9280)
- Expose SQLAlchemy's connect_args and make it configurable (#6478)

Doc only changes

- Add docs on using DAGRun.conf (#9578)
- Enforce code-block directives in doc (#9443)
- Carefully parse warning messages when building documentation (#8693)
- Make KubernetesPodOperator clear in docs (#8444)
- Improve language in Pod Mutation Hook docs (#8445)
- Fix formatting of Pool docs in concepts.rst (#8443)
- Make doc clearer about Airflow Variables using Environment Variables (#8427)
- Fix pools doc for LocalExecutor (#7643)
- Add Local and Sequential Executors to Doc (#8084)
- Add documentation for CLI command airflow dags test (#8251)
- Fix typo in DAG Serialization documentation (#8317)
- Add scheduler in production section (#7351)
- Add a structural dag validation example (#6727)
- Adding Task re-run documentation (#6295)
- Fix outdated doc on settings.policy (#7532)
- Add docs about reload_on_plugin_change option (#9575)
- Add copy button to Code Blocks in Airflow Docs (#9450)
- Update commands in docs for v1.10+ (#9585)
- Add more info on dry-run CLI option (#9582)
- Document default timeout value for SSHOperator (#8744)
- Fix docs on creating CustomOperator (#8678)
- Enhanced documentation around Cluster Policy (#8661)
- Use sphinx syntax in concepts.rst (#7729)
- Update README to remove Py 3.8 limitation for Master (#9451)
- Add note about using dag_run.conf in BashOperator (#9143)
- Improve tutorial - Include all imports statements (#8670)
- Added more precise Python requirements to README.md (#8455)
- Fix Airflow Stable version in README.md (#9360)
- Update AWS connection example to show how to set from env var (#9191)
- Fix list formatting of plugins doc. (#8873)
- Add 'Version Added' on Secrets Backend docs (#8264)
- Simplify language re roll-your-own secrets backend (#8257)
- Add installation description for repeatable PyPi installation (#8513)
- Add note extra links only render on when using RBAC webserver (#8788)
- Remove unused airflow import from docs (#9274)
- Add PR/issue note in Contribution Workflow Example (#9177)
- Don't use the term "whitelist" - language matters (#9174)
- Add docs to change Colors on the Webserver (#9607)
- Change 'initiate' to 'initialize' in installation.rst (#9619)
- Replace old Variables View Screenshot with new (#9620)
- Replace old SubDag zoom screenshot with new (#9621)
- Update docs about the change to default auth for experimental API (#9617)

Airflow 1.10.10, 2020-04-09

New Features

- [AIRFLOW-7048] Allow user to chose timezone to use in UI (#8046)
- Add Production Docker image support (#7832)
- Get Airflow Variables from Environment Variables (#7923)
- Get Airflow Variables from Hashicorp Vault (#7944)
- Get Airflow Variables from AWS Systems Manager Parameter Store (#7945)
- Get Airflow Variables from GCP Secrets Manager (#7946)
- [AIRFLOW-5705] Add secrets backend and support for AWS SSM / Get Airflow Connections from AWS Parameter Store(#6376)
- [AIRFLOW-7104] Add Secret backend for GCP Secrets Manager / Get Airflow Connections from GCP Secrets Manager (#7795)
- [AIRFLOW-7076] Add support for HashiCorp Vault as Secrets Backend / Get Airflow Connections from Hashicorp Vault (#7741)
- [AIRFLOW-6685] Add ThresholdCheckOperator (#7353)
- [AIRFLOW-7080] Add API endpoint to return a DAG's paused state (#7737)

Bug Fixes

- BugFix: Show task_id in the Graph View tooltip (#7859)
- [AIRFLOW-6730] Use total_seconds instead of seconds (#7363)
- [AIRFLOW-6167] Escape column name in create table in hive (#6741)
- [AIRFLOW-6628] DAG auto-complete now suggests from all accessible DAGs (#7251)
- [AIRFLOW-7113] Fix gantt render error (#7913)
- [AIRFLOW-6399] Add _access control to validate deserialized DAGs (#7896)
- [AIRFLOW-6399] Serialization: DAG access_control field should be decorated field in DAG serialization (#7879)
- [AIRFLOW-4453] Make behavior of *none_failed* consistent with documentation (#7464)
- [AIRFLOW-4363] Fix JSON encoding error (#7628)
- [AIRFLOW-6683] Run REST API tests when DAGs are serialized (#7352)
- [AIRFLOW-6704] Copy common TaskInstance attributes from Task (#7324)
- [AIRFLOW-6734] Use configured base_template instead of hard-coding (#7367)
- [AIRFLOW-7098] Simple salesforce release 1.0.0 breaks the build (#7775)
- [AIRFLOW-6062] Executor would only delete workers in its own namespace (#7123)
- [AIRFLOW-7074] Add Permissions to view SubDAGs (#7752)
- [AIRFLOW-7025] Fix SparkSqlHook.run_query to handle its parameter properly (#7677)
- [AIRFLOW-6855] Escape project_dataset_table in SQL query in gcs to bq operator (#7475)
- [AIRFLOW-6949] Respect explicit conf to SparkSubmitOperator (#7575)
- [AIRFLOW-6588] write_stdout and json_format are boolean (#7199)
- [AIRFLOW-3439] Decode logs with 'utf-8' (#4474)
- [AIRFLOW-6878] Fix misconfigured default value for kube_client_request_args
- [AIRFLOW-5167] Update dependencies for GCP packages (#7116)
- [AIRFLOW-6821] Success callback not called when task marked as success from UI (#7447)
- [AIRFLOW-6740] Remove Undocumented, deprecated, dysfunctional PROXY_FIX_NUM_PROXIES (#7359)
- [AIRFLOW-6728] Change various DAG info methods to POST (#7364)
- [AIRFLOW-6997] Make sure worker pods initcontainers obtain env vars from config (#7663)
- [AIRFLOW-7062] Fix pydruide release breaking the build (#7720)
- [AIRFLOW-6040] ReadTimeoutError in KubernetesExecutor should not raise exception (#7616)
- [AIRFLOW-6943] Fix utf-8 encoded description in DAG in Python 2 (#7567)
- [AIRFLOW-6892] Fix broken non-wheel releases (#7514)
- [AIRFLOW-6789] BugFix: Fix Default Worker concurrency (#7494)
- [AIRFLOW-6840] Bump up version of future (#7471)
- [AIRFLOW-5705] Fix bugs in AWS SSM Secrets Backend (#7745)
- [AIRFLOW-5705] Fix bug in Secrets Backend (#7742)
- Fix CloudSecretsManagerBackend invalid connections_prefix (#7861)
- [AIRFLOW-7045] BugFix: DebugExecutor fails to change task state. (#8073)
- BugFix: Datetimepicker is stuck on the UI (#8092)
- [AIRFLOW-5277] Gantt chart respects per-user the Timezone UI setting (#8096)
- Fix timezones displayed in Task Instance tooltip (#8103)
- BugFix: Fix writing & deleting Dag Code for Serialized DAGs (#8151)
- Make the default TI pool slots '1' (#8153)
- Fix 500 error in Security screens (#8165)
- Fix Viewing Dag Code for Stateless Webserver (#8159)
- Fix issue with SQLAlchemy 1.3.16 (#8230)

Improvements

- Use same tooltip for Graph and Tree views for TaskInstances (#8043)
- Allow DateTimePicker in Webserver to actually pick times too (#8034)
- [AIRFLOW-5590] Add run_id to trigger DAG run API response (#6256)
- [AIRFLOW-6695] Can now pass dagrun conf when triggering dags via UI (#7312)
- [AIRFLOW-5336] Add ability to make updating FAB perms on webserver in it optional (#5940)
- [AIRFLOW-1467] Allow tasks to use more than one pool slot (#7160)
- [AIRFLOW-6987] Avoid creating default connections (#7629)
- [AIRFLOW-4175] S3Hook load_file should support ACL policy parameter (#7733)
- [AIRFLOW-4438] Add Gzip compression to S3_hook (#7680)
- Allow setting Airflow Variable values to empty string (#8021)
- Dont schedule dummy tasks (#7880)
- Prevent sequential scan of task instance table (#8014)
- [AIRFLOW-7017] Respect default dag view in trigger dag origin (#7667)
- [AIRFLOW-6837] Limit description length of a Dag on HomePage (#7457)
- [AIRFLOW-6989] Display Rendered template_fields without accessing Dag files (#7633)
- [AIRFLOW-5944] Rendering templated_fields without accessing DAG files (#6788)
- [AIRFLOW-5946] DAG Serialization: Store source code in db (#7217)

- [AIRFLOW-7079] Remove redundant code for storing template_fields (#7750)
- [AIRFLOW-7024] Add the verbose parameter support to SparkSqlOperator (#7676)
- [AIRFLOW-6733] Extend not replace template (#7366)
- [AIRFLOW-7001] Further fix for the MySQL 5.7 UtcDateTime (#7655)
- [AIRFLOW-6014] Handle pods which are preempted & deleted by kubernetes but not restarted (#6606)
- [AIRFLOW-6950] Remove refresh_executor_config from ti.refresh_from_db (#7577)
- [AIRFLOW-7016] Sort dag tags in the UI (#7661)
- [AIRFLOW-6762] Fix link to “Suggest changes on this page” (#7387)
- [AIRFLOW-6948] Remove ASCII Airflow from version command (#7572)
- [AIRFLOW-6767] Correct name for default Athena workgroup (#7394)
- [AIRFLOW-6905] Update pin.svg with new pinwheel (#7524)
- [AIRFLOW-6801] Make use of ImportError.timestamp (#7425)
- [AIRFLOW-6830] Add Subject/MessageAttributes to SNS hook and operator (#7451)
- [AIRFLOW-6630] Resolve handlebars advisory (#7284)
- [AIRFLOW-6945] MySQL 5.7 is used in v1-10-test as an option
- [AIRFLOW-6871] Optimize tree view for large DAGs (#7492)
- [AIRFLOW-7063] Fix dag.clear() slowness caused by count (#7723)
- [AIRFLOW-7023] Remove duplicated package definitions in setup.py (#7675)
- [AIRFLOW-7001] Time zone removed from MySQL TIMESTAMP field inserts
- [AIRFLOW-7105] Unify Secrets Backend method interfaces (#7830)
- Make BaseSecretsBackend.build_path generic (#7948)
- Allow hvac package installation using 'hashicorp' extra (#7915)
- Standardize SecretBackend class names (#7846)
- [AIRFLOW-5705] Make AwsSsmSecretsBackend consistent with VaultBackend (#7753)
- [AIRFLOW-7045] Update SQL query to delete RenderedTaskInstanceFields (#8051)
- Handle DST better in Task Instance tool tips (#8104)

Misc/Internal

- Fix Flaky TriggerDAG UI test (#8022)
- Remove unnecessary messages in CI (#7951)
- Fixes too high parallelism in CI (#7947)
- Install version is not persistent in breeze (#7914)
- Fixed automated check for image rebuild (#7912)
- Move Dockerfile to Dockerfile.ci (#7829)
- Generate requirements are now sorted (#8040)
- Change name of the common environment initialization function (#7805)
- Requirements now depend on python version (#7841)
- Bring back reset db explicitly called at CI entry (#7798)
- Fixes unclean installation of Airflow 1.10 (#7796)
- [AIRFLOW-7029] Use separate docker image for running license check (#7678)
- [AIRFLOW-5842] Switch to Debian buster image as a base (#7647)
- [AIRFLOW-5828] Move build logic out from hooks/build (#7618)
- [AIRFLOW-6839] Even more mypy speed improvements (#7460)
- [AIRFLOW-6820] split breeze into functions (#7433)
- [AIRFLOW-7097] Install gcloud beta components in CI image (#7772)
- [AIRFLOW-7018] fixing travis's job name escaping problem (#7668)
- [AIRFLOW-7054] Breeze has an option now to reset db at entry (#7710)
- [AIRFLOW-7005] Added exec command to Breeze (#7649)
- [AIRFLOW-7015] Detect Dockerhub repo/user when building on Dockerhub (#7673)
- [AIRFLOW-6727] Fix minor bugs in Release Management scripts (#7355)
- [AIRFLOW-7013] Automated check if Breeze image needs to be pulled (#7656)
- [AIRFLOW-7010] Skip in-container checks for Dockerhub builds (#7652)
- [AIRFLOW-7011] Pin JPype release to allow to build 1.10 images
- [AIRFLOW-7006] Fix missing +e in Breeze script (#7648)
- [AIRFLOW-6979] Fix breeze test-target specific test param issue (#7614)
- [AIRFLOW-6932] Add restart-environment command to Breeze
- [AIRFLOW-6919] Make Breeze DAG-test friendly (#7539)
- [AIRFLOW-6838] Introduce real subcommands for Breeze (#7515)
- [AIRFLOW-6763] Make systems tests ready for backport tests (#7389)
- [AIRFLOW-6866] Fix wrong export for Mac on Breeze (#7485)
- [AIRFLOW-6842] Skip fixing ownership on Mac (#7469)
- [AIRFLOW-6841] Fixed unbounded variable on Mac (#7465)
- [AIRFLOW-7067] Pinned version of Apache Airflow (#7730)

- [AIRFLOW-7058] Add support for different DB versions (#7717)
- [AIRFLOW-7002] Get rid of yaml "parser" in bash (#7646)
- [AIRFLOW-6972] Shorter frequently used commands in Breeze (#7608)

Doc only changes

- Fix typo for store_serialized_dags config (#7952)
- Fix broken link in README.md (#7893)
- Separate supported Postgres versions with comma (#7892)
- Fix grammar in setup.py (#7877)
- Add Jiajie Zhong to committers list (#8047)
- Update Security doc for 1.10.* for auth backends (#8072)
- Fix Example in config_templates for Secrets Backend (#8074)
- Add backticks in IMAGES.rst command description (#8075)
- Change version_added for store_dag_code config (#8076)
- [AIRFLOW-XXXX] Remove duplicate docs
- [AIRFLOW-XXXX] Remove the defunct limitation of Dag Serialization (#7716)
- [AIRFLOW-XXXX] Add prerequisite tasks for all GCP operators guide (#6049)
- [AIRFLOW-XXXX] Simplify AWS/Azure/Databricks operators listing (#6047)
- [AIRFLOW-XXXX] Add external reference to all GCP operator guide (#6048)
- [AIRFLOW-XXXX] Simplify GCP operators listing
- [AIRFLOW-XXXX] Simplify Qubole operators listing
- [AIRFLOW-XXXX] Add autogenerated TOC (#6038)
- [AIRFLOW-XXXX] Create "Using the CLI" page (#5823)
- [AIRFLOW-XXXX] Group references in one section (#5776)
- [AIRFLOW-XXXX] Fix analytics doc (#5885)
- [AIRFLOW-XXXX] Add S3 Logging section (#6039)
- [AIRFLOW-XXXX] Move Azure Logging section above operators (#6040)
- [AIRFLOW-XXXX] Update temp link to a fixed link (#7715)
- [AIRFLOW-XXXX] Add Updating.md section for 1.10.9 (#7385)
- [AIRFLOW-XXXX] Remove duplication in BaseOperator docstring (#7321)
- [AIRFLOW-XXXX] Update tests info in CONTRIBUTING.rst (#7466)
- [AIRFLOW-XXXX] Small BREEZE.rst update (#7487)
- [AIRFLOW-XXXX] Add instructions for logging to localstack S3 (#7461)
- [AIRFLOW-XXXX] Remove travis config warnings (#7467)
- [AIRFLOW-XXXX] Add communication chapter to contributing (#7204)
- [AIRFLOW-XXXX] Add known issue - example_dags/__init__.py (#7444)
- [AIRFLOW-XXXX] Fix breeze build-docs (#7445)
- [AIRFLOW-XXXX] Less verbose docker builds
- [AIRFLOW-XXXX] Speed up mypy runs (#7421)
- [AIRFLOW-XXXX] Fix location of kubernetes tests (#7373)
- [AIRFLOW-XXXX] Remove quotes from domains in Google Oauth (#4226)
- [AIRFLOW-XXXX] Add explicit info about JIRAs for code-related PRs (#7318)
- [AIRFLOW-XXXX] Fix typo in the word committer (#7392)
- [AIRFLOW-XXXX] Remove duplicated paragraph in docs (#7662)
- Fix reference to KubernetesPodOperator (#8100)

Airflow 1.10.9, 2020-02-07

Bug Fixes

- [AIRFLOW-6751] Pin Werkzeug (dependency of a number of our dependencies) to < 1.0.0 (#7377)

Airflow 1.10.8, 2020-02-07

New Features

- [AIRFLOW-4026] Add filter by DAG tags (#6489)
- [AIRFLOW-6613] Center dag on graph view load (#7238)
- [AIRFLOW-5843] Add conf option to Add DAG Run view (#7281)
- [AIRFLOW-4495] Allow externally triggered dags to run for future exec dates (#7038)

Improvements

- [AIRFLOW-6438] Filter DAGs returned by blocked (#7019)
- [AIRFLOW-6666] Resolve js-yaml advisory (#7283)
- [AIRFLOW-6632] Bump dagre-d3 to resolve lodash CVE advisory (#7280)
- [AIRFLOW-6667] Resolve serialize-javascript advisory (#7282)
- [AIRFLOW-6451] self._print_stat() in dag_processing.py should be skipable (#7134)
- [AIRFLOW-6495] Load DAG only once when running a task using StandardTaskRunner (#7090)
- [AIRFLOW-6319] Add support for AWS Athena workgroups (#6871)
- [AIRFLOW-6677] Remove deprecation warning from SQLAlchemyChmeyer (#7289)
- [AIRFLOW-6428] Fix import path for airflow.utils.dates.days_ago in Example DAGs (#7007)
- [AIRFLOW-6595] Use TaskNotFound exception instead of AirflowException (#7210)
- [AIRFLOW-6620] Mock celery in worker cli test (#7243)
- [AIRFLOW-6608] Change logging level for Bash & PyOperator Env exports
- [AIRFLOW-2279] Clear tasks across DAGs if marked by ExternalTaskMarker (#6633)
- [AIRFLOW-6359] Make Spark status_poll_interval explicit (#6978)
- [AIRFLOW-6359] spark_submit_hook.py status polling interval config (#6909)
- [AIRFLOW-6316] Use exampleinclude directives in tutorial.rst (#6868)
- [AIRFLOW-6519] Make T1 logs constants in Webserver configurable (#7113)
- [AIRFLOW-6327] http_hook: Accept json= parameter for payload (#6886)
- [AIRFLOW-6261] flower_basic_auth eligible to _cmd (#6825)
- [AIRFLOW-6238] Filter dags returned by dag_stats
- [AIRFLOW-5616] Switch PrestoHook from pyhive to presto-python-client
- [AIRFLOW-6611] Add proxy_fix configs to default_airflow.cfg (#7236)
- [AIRFLOW-6557] Add test for newly added fields in BaseOperator (#7162)
- [AIRFLOW-6584] Pin cassandra driver (#7194)
- [AIRFLOW-6537] Fix backticks in rst files (#7140)
- [AIRFLOW-4428] Error if exec_date before default_args.start_date in trigger_dag (#6948)
- [AIRFLOW-6330] Show cli help when param blank or typo (#6883)
- [AIRFLOW-4113] Unpin boto3 (#6884)
- [AIRFLOW-6181] Add DebugExecutor (#6740)
- [AIRFLOW-6504] Allow specifying configmap for Airflow Local Setting (#7097)
- [AIRFLOW-6436] Cleanup for Airflow configs doc generator code (#7036)
- [AIRFLOW-6436] Add x_frame_enabled config in config.yml (#7024)
- [AIRFLOW-6436] Create & Automate docs on Airflow Configs (#7015)
- [AIRFLOW-6527] Make send_task_to_executor timeout configurable (#7143)
- [AIRFLOW-6272] Switch from npm to yarnpkg for managing front-end dependencies (#6844)
- [AIRFLOW-6350] Security - spark submit operator logging+exceptions should mask passwords
- [AIRFLOW-6358] Log details of failed task (#6908)
- [AIRFLOW-5149] Skip SLA checks config (#6923)
- [AIRFLOW-6057] Update template_fields of the PythonSensor (#6656)
- [AIRFLOW-4445] Mushroom cloud errors too verbose (#6952)
- [AIRFLOW-6394] Simplify github PR template (#6955)
- [AIRFLOW-5385] spark hook does not work on spark 2.3/2.4 (#6976)

Bug Fixes

- [AIRFLOW-6345] Ensure arguments to ProxyFix are integers (#6901)
- [AIRFLOW-6576] Fix scheduler crash caused by deleted task with sla misses (#7187)
- [AIRFLOW-6686] Fix syntax error constructing list of process ids (#7298)
- [AIRFLOW-6683] REST API respects store_serialized_dag setting (#7296)
- [AIRFLOW-6553] Add upstream_failed in instance state filter to WebUI (#7159)
- [AIRFLOW-6357] Highlight nodes in Graph UI if task id contains dots (#6904)
- [AIRFLOW-3349] Use None instead of False as value for encoding in StreamLogWriter (#7329)
- [AIRFLOW-6627] Email with incorrect DAG not delivered (#7250)
- [AIRFLOW-6637] Fix airflow test command in 1.10.x
- [AIRFLOW-6636] Avoid exceptions when printing task instance
- [AIRFLOW-6522] Clear task log file before starting to fix duplication in S3TaskHandler (#7120)
- [AIRFLOW-5501] Make default in_cluster value in KubernetesPodOperator respect config (#6124)
- [AIRFLOW-6514] Use RUNNING_DEPS to check run from UI (#6367)
- [AIRFLOW-6381] Remove styling based on DAG id from DAGs page (#6985)
- [AIRFLOW-6434] Add return statement back to DockerOperator.execute (#7013)
- [AIRFLOW-2516] Fix mysql deadlocks (#6988)
- [AIRFLOW-6528] Disable flake8 W503 line break before binary operator (#7124)

- [AIRFLOW-6517] Make merge_dicts function recursive (#7111)
- [AIRFLOW-5621] Failure callback is not triggered when marked Failed on UI (#7025)
- [AIRFLOW-6353] Security - ui - add click jacking defense (#6995)
- [AIRFLOW-6348] Security - cli.py is currently printing logs with password (#6915)
- [AIRFLOW-6323] Remove non-ascii letters from default config (#6878)
- [AIRFLOW-6506] Fix do_xcom_push defaulting to True in KubernetesPodOperator (#7122)
- [AIRFLOW-6516] BugFix: airflow.cfg does not exist in Volume Mounts (#7109)
- [AIRFLOW-6427] Fix broken example_qubole_operator dag (#7005)
- [AIRFLOW-6385] BugFix: SlackAPIPostOperator fails when blocks not set (#7022)
- [AIRFLOW-6347] BugFix: Can't get task logs when serialization is enabled (#7092)
- [AIRFLOW-XXXX] Fix downgrade of db migration 0e2a74e0fc9f (#6859)
- [AIRFLOW-6366] Fix migrations for MS SQL Server (#6920)
- [AIRFLOW-5406] Allow spark without kubernetes (#6921)
- [AIRFLOW-6229] SparkSubmitOperator polls forever if status json can't... (#6918)
- [AIRFLOW-6352] Security - ui - add login timeout (#6912)
- [AIRFLOW-6397] Ensure sub_process attribute exists before trying to kill it (#6958)
- [AIRFLOW-6400] Fix pytest not working on Windows (#6964)
- [AIRFLOW-6418] Remove SystemTest.skip decorator (#6991)
- [AIRFLOW-6425] Serialization: Add missing DAG parameters to Json Schema (#7002)

Misc/Internal

- [AIRFLOW-6467] Use self.dag i/o creating a new one (#7067)
- [AIRFLOW-6490] Improve time delta comparison in local task job tests (#7083)
- [AIRFLOW-5814] Implementing Presto hook tests (#6491)
- [AIRFLOW-5704] Improve Kind Kubernetes scripts for local testing (#6516)
- [AIRFLOW-XXXX] Move airflow-config.yaml pre-commit before pylint (#7108)
- [AIRFLOW-XXXX] Improve clarity of confirm message (#7110)
- [AIRFLOW-6662] install dumb init (#7300)
- [AIRFLOW-6705] One less chatty message at breeze initialisation (#7326)
- [AIRFLOW-6705] Less chatty integration/backend checks (#7325)
- [AIRFLOW-6662] Switch to --init docker flag for signal propagation (#7278)
- [AIRFLOW-6661] Fail after 50 failing tests (#7277)
- [AIRFLOW-6607] Get rid of old local scripts for Breeze (#7225)
- [AIRFLOW-6589] BAT tests run in pre-commit on bash script changes (#7203)
- [AIRFLOW-6592] Doc build is moved to test phase (#7208)
- [AIRFLOW-6641] Better diagnostics for kubernetes flaky tests (#7261)
- [AIRFLOW-6642] Make local task job test less flaky (#7262)
- [AIRFLOW-6643] Fix flakiness of kerberos tests
- [AIRFLOW-6638] Remove flakiness test from test_serialized_db remove
- [AIRFLOW-6701] Rat is downloaded from stable backup/mirrors (#7323)
- [AIRFLOW-6702] Dumping kind logs to file.io. (#7319)
- [AIRFLOW-6491] Improve handling of Breeze parameters (#7084)
- [AIRFLOW-6470] Avoid pipe to file when do curl (#7063)
- [AIRFLOW-6471] Add pytest-instafail plugin (#7064)
- [AIRFLOW-6462] Limit exported variables in Dockerfile/Breeze (#7057)
- [AIRFLOW-6465] Add bash autocomplete for airflow in Breeze (#7060)
- [AIRFLOW-6464] Add cloud providers CLI tools in Breeze (#7059)
- [AIRFLOW-6461] Remove silent flags in Dockerfile (#7052)
- [AIRFLOW-6459] Increase verbosity of pytest (#7049)
- [AIRFLOW-6370] Skip Cassandra tests if cluster is not up (#6926)
- [AIRFLOW-6511] Remove BATS docker containers (#7103)
- [AIRFLOW-6475] Remove duplication of volume mount specs in Breeze.. (#7065)
- [AIRFLOW-6489] Add BATS support for Bash unit testing (#7081)
- [AIRFLOW-6387] print details of success/skipped task (#6956)
- [AIRFLOW-6568] Add Emacs related files to .gitignore (#7175)
- [AIRFLOW-6575] Entropy source for CI tests is changed to unblocking (#7185)
- [AIRFLOW-6496] Separate integrations in tests (#7091)
- [AIRFLOW-6634] Set PYTHONPATH in interactive Breeze
- [AIRFLOW-6564] Additional diagnostics information on CI check failure (#7172)
- [AIRFLOW-6383] Add no trailing-whitespace pre-commit hook (#6941)

Doc only changes

- [AIRFLOW-XXXX] Consistency fixes in new documentation (#7207)
- [AIRFLOW-XXXX] Improve grammar and structure in FAQ doc (#7291)
- [AIRFLOW-XXXX] Fix email configuration link in CONTRIBUTING.rst (#7311)
- [AIRFLOW-XXXX] Update docs with new BranchPythonOperator behaviour (#4682)
- [AIRFLOW-XXXX] Fix Typo in scripts/ci/ci_run_airflow_testing.sh (#7235)
- [AIRFLOW-XXXX] Screenshot showing disk space configuration for OSX (#7226)
- [AIRFLOW-XXXX] Add mentoring information to contributing docs (#7202)
- [AIRFLOW-XXXX] Add rebase info to contributing (#7201)
- [AIRFLOW-XXXX] Increase verbosity of static checks in CI (#7200)
- [AIRFLOW-XXXX] Adds branching strategy to documentation (#7193)
- [AIRFLOW-XXXX] Move email configuration from the concept page (#7189)
- [AIRFLOW-XXXX] Update task lifecycle diagram (#7161)
- [AIRFLOW-XXXX] Fix reference in concepts doc (#7135)
- [AIRFLOW-XXXX] Clear debug docs (#7104)
- [AIRFLOW-XXXX] Fix typos and broken links in development docs (#7086)
- [AIRFLOW-XXXX] Clarify wait_for_downstream and execution_date (#6999)
- [AIRFLOW-XXXX] Add *airflow dags show* command guide (#7014)
- [AIRFLOW-XXXX] Update operation chaining documentation (#7018)
- [AIRFLOW-XXXX] Add *.autoenv_leave.zsh* to *.gitignore* (#6986)
- [AIRFLOW-XXXX] Fix development packages installation instructions (#6942)
- [AIRFLOW-XXXX] Update committers list (#7212)
- [AIRFLOW-XXXX] Move UPDATING changes into correct versions (#7166)
- [AIRFLOW-XXXX] Add Documentation for check_slas flag (#6974)
- [AIRFLOW-XXXX] Fix gcp keyfile_dict typo (#6962)
- [AIRFLOW-XXXX] Add tips for writing a note in UPDATIND.md (#6960)
- [AIRFLOW-XXXX] Add note warning that bash>4.0 is required for docs build script (#6947)
- [AIRFLOW-XXXX] Add autoenv to gitignore (#6946)
- [AIRFLOW-XXXX] Fix GCSTaskHandler Comment Typo (#6928)
- [AIRFLOW-XXXX] Fix broken DAG Serialization Link (#6891)
- [AIRFLOW-XXXX] Add versions_added field to configs

Airflow 1.10.7, 2019-12-24

New Features

- [AIRFLOW-5088] [AIP-24] Persisting serialized DAG in DB for webserver scalability (#5992)
- [AIRFLOW-6083] Adding ability to pass custom configuration to AWS Lambda client. (#6678)
- [AIRFLOW-5117] Automatically refresh EKS API tokens when needed (#5731)
- [AIRFLOW-5118] Add ability to specify optional components in DataprocClusterCreateOperator (#5821)
- [AIRFLOW-5681] Allow specification of a tag or hash for the git_sync init container (#6350)
- [AIRFLOW-6025] Add label to uniquely identify creator of Pod (#6621)
- [AIRFLOW-4843] Allow orchestration via Docker Swarm (SwarmOperator) (#5489)
- [AIRFLOW-5751] add get_uri method to Connection (#6426)
- [AIRFLOW-6056] Allow EmrAddStepsOperator to accept job_flow_name as alternative to job_flow_id (#6655)
- [AIRFLOW-2694] Declare permissions in DAG definition (#4642)
- [AIRFLOW-4940] Add DynamoDB to S3 operator (#5663)
- [AIRFLOW-4161] BigQuery to Mysql Operator (#5711)
- [AIRFLOW-6041] Add user agent to the Discovery API client (#6636)
- [AIRFLOW-6089] Reorder setup.py dependencies and add ci (#6681)
- [AIRFLOW-5921] Add bulk_load_custom to MySqlHook (#6575)
- [AIRFLOW-5854] Add support for tty parameter in Docker related operators (#6542)
- [AIRFLOW-4758] Add GcsToGDriveOperator operator (#5822)

Improvements

- [AIRFLOW-3656] Show doc link for the current installed version (#6690)
- [AIRFLOW-5665] Add path_exists method to SFTPHook (#6344)
- [AIRFLOW-5729] Make InputDataConfig optional in Sagemaker's training config (#6398)
- [AIRFLOW-5045] Add ability to create Google Dataproc cluster with custom image from a different project (#5752)
- [AIRFLOW-6132] Allow to pass in tags for the AzureContainerInstancesOperator (#6694)
- [AIRFLOW-5945] Make inbuilt OperatorLinks work when using Serialization (#6715)
- [AIRFLOW-5947] Make the json backend pluggable for DAG Serialization (#6630)
- [AIRFLOW-6239] Filter dags return by last_dagruns (to only select visible dags, not all dags) (#6804)

- [AIRFLOW-6095] Filter dags returned by task_stats (to only select visible dags, not all dags) (#6684)
- [AIRFLOW-4482] Add execution_date to “trigger DagRun” API response (#5260)
- [AIRFLOW-1076] Add get method for template variable accessor (#6793)
- [AIRFLOW-5194] Add error handler to action log (#5883)
- [AIRFLOW-5936] Allow explicit get_pty in SSHOperator (#6586)
- [AIRFLOW-5474] Add Basic auth to Druid hook (#6095)
- [AIRFLOW-5726] Allow custom filename in RedshiftToS3Transfer (#6396)
- [AIRFLOW-5834] Option to skip serve_logs process with `airflow worker` (#6709)
- [AIRFLOW-5583] Extend the ‘DAG Details’ page to display the start_date / end_date (#6235)
- [AIRFLOW-6250] Ensure on_failure_callback always has a populated context (#6812)
- [AIRFLOW-6222] http hook logs response body for any failure (#6779)
- [AIRFLOW-6260] Drive _cmd config option by env var (`AIRFLOW__CORE__SQL_ALCHEMY_CONN_CMD` for example) (#6801)
- [AIRFLOW-6168] Allow proxy_fix middleware of webserver to be configurable (#6723)
- [AIRFLOW-5931] Use os.fork when appropriate to speed up task execution. (#6627)
- [AIRFLOW-4145] Allow RBAC roles permissions, ViewMenu to be over-rideable (#4960)
- [AIRFLOW-5928] Hive hooks load_file short circuit (#6582)
- [AIRFLOW-5313] Add params support for awsbatch_operator (#5900)
- [AIRFLOW-2227] Add delete method to Variable class (#4963)
- [AIRFLOW-5082] Add subject in AwsSnsHook (#5694)
- [AIRFLOW-5715] Make email, owner context available (#6385)
- [AIRFLOW-5345] Allow SqlSensor’s hook to be customized by subclasses (#5946)
- [AIRFLOW-5417] Fix DB disconnects during webserver startup (#6023)
- [AIRFLOW-5730] Enable get_pandas_df on PinotDbApiHook (#6399)
- [AIRFLOW-3235] Add list function in AzureDataLakeHook (#4070)
- [AIRFLOW-5442] implementing get_pandas_df method for druid broker hook (#6057)
- [AIRFLOW-5883] Improve count() queries in a few places (#6532)
- [AIRFLOW-5811] Add metric for externally killed task count (#6466)
- [AIRFLOW-5758] Support the custom cursor classes for the PostgreSQL hook (#6432)
- [AIRFLOW-5766] Use httpbin.org in http_default (#6438)
- [AIRFLOW-5798] Set default ExternalTaskSensor.external_task_id (#6431)
- [AIRFLOW-5643] Reduce duplicated logic in S3Hook (#6313)
- [AIRFLOW-5562] Skip grant single DAG permissions for Admin role. (#6199)
- [AIRFLOW-6192] Stop creating Hook from SFTPSensor.__init__ (#6748)
- [AIRFLOW-5749][AIRFLOW-4162] Support the “blocks” component for the Slack operators (#6418)
- [AIRFLOW-5693] Support the “blocks” component for the Slack messages (#6364)
- [AIRFLOW-5714] Collect SLA miss emails only from tasks missed SLA (#6384)
- [AIRFLOW-5049] Add validation for src_fmt_configs in bigquery hook (#5671)
- [AIRFLOW-6177] Log DAG processors timeout event at error level, not info (#6731)
- [AIRFLOW-6180] Improve kerberos init in pytest confest (#6735)
- [AIRFLOW-6159] Change logging level of the heartbeat message to DEBUG (#6716)
- [AIRFLOW-6144] Improve the log message of airflow scheduler (#6710)
- [AIRFLOW-6099] Add host name to task runner log (#6688)
- [AIRFLOW-6045] Error on failed execution of compile_assets (#6640)
- [AIRFLOW-5144] Add confirmation on delete button click (#6745)
- [AIRFLOW-6099] Add host name to task runner log (#6688)
- [AIRFLOW-5915] Add support for the new documentation theme (#6563)
- [AIRFLOW-5897] Allow setting -1 as pool slots value in webserver (#6550)
- [AIRFLOW-5888] Use psycopg2-binary for postgres operations (#6533)
- [AIRFLOW-5870] Allow -1 for pool size and optimise pool query (#6520)

Bug Fixes

- [AIRFLOW-XXX] Bump Jira version to fix issue with async
- [AIRFLOW-XXX] Add encoding to fix Cyrillic output when reading back task logs (#6631)
- [AIRFLOW-5304] Fix extra links in BigQueryOperator with multiple queries (#5906)
- [AIRFLOW-6268] Prevent (expensive) ajax calls on home page when no dags visible (#6839)
- [AIRFLOW-6259] Reset page to 1 with each new search for dags (#6828)
- [AIRFLOW-6185] SQLAlchemy Connection model schema not aligned with Alembic schema (#6754)
- [AIRFLOW-3632] Only replace microseconds if execution_date is None in trigger_dag REST API (#6380)
- [AIRFLOW-5458] Bump Flask-AppBuilder to 2.2.0 (for Python >= 3.6) (#6607)
- [AIRFLOW-5072] gcs_hook should download files once (#5685)
- [AIRFLOW-5744] Environment variables not correctly set in Spark submit operator (#6796)
- [AIRFLOW-3189] Remove schema from DbHook.get_uri response if None (#6833)
- [AIRFLOW-6195] Fixed TaskInstance attrs not correct on UI (#6758)

- [AIRFLOW-5889] Make polling for AWS Batch job status more resilient (#6765)
- [AIRFLOW-6043] Fix bug in UI when “filtering by root” to display section of dag (#6638)
- [AIRFLOW-6033] Fix UI Crash at “Landing Times” when task_id is changed (#6635)
- [AIRFLOW-3745] Fix viewer not able to view dag details (#4569)
- [AIRFLOW-6175] Fixes bug when tasks get stuck in “scheduled” state (#6732)
- [AIRFLOW-5463] Make Variable.set when replacing an atomic operation (#6807)
- [AIRFLOW-5582] Add get_autocommit to JdbcHook (#6232)
- [AIRFLOW-5867] Fix webserver unit_test_mode data type (#6517)
- [AIRFLOW-5819] Update AWSBatchOperator default value (#6473)
- [AIRFLOW-5709] Fix regression in setting custom operator resources. (#6331)
- [AIRFLOW-5658] Fix broken navigation links (#6374)
- [AIRFLOW-5727] SqoopHook: Build –connect parameter only if port/schema are defined (#6397)
- [AIRFLOW-5695] use RUNNING_DEPS to check run from UI (#6367)
- [AIRFLOW-6254] obscure conn extra in logs (#6817)
- [AIRFLOW-4824] Add charset handling for SQLAlchemy engine for MySQLHook (#6816)
- [AIRFLOW-6091] Add flushing in execute method for BigQueryCursor (#6683)
- [AIRFLOW-6256] Ensure Jobs table is cleared when resetting DB (#6818)
- [AIRFLOW-5224] Add encoding parameter to GoogleCloudStorageToBigQuery (#6297)
- [AIRFLOW-5179] Remove top level __init__.py (#5818)
- [AIRFLOW-5660] Attempt to find the task in DB from Kubernetes pod labels (#6340)
- [AIRFLOW-6241] Fix typo in airflow/gcp/operator/dataflow.py (#6806)
- [AIRFLOW-6171] Apply .airflowignore to correct subdirectories (#6784)
- [AIRFLOW-6018] Display task instance in table during backfilling (#6612)
- [AIRFLOW-6189] Reduce the maximum test duration to 8 minutes (#6744)
- [AIRFLOW-6141] Remove ReadyToRescheduleDep if sensor mode == poke (#6704)
- [AIRFLOW-6054] Add a command that starts the database consoles (#6653)
- [AIRFLOW-6047] Simplify the logging configuration template (#6644)
- [AIRFLOW-6017] Exclude PULL_REQUEST_TEMPLATE.md from RAT check (#6611)
- [AIRFLOW-4560] Fix Tez queue parameter name in mapred_queue (#5315)
- [AIRFLOW-2143] Fix TaskTries graph counts off-by-1 (#6526)
- [AIRFLOW-5873] KubernetesPodOperator fixes and test (#6523)
- [AIRFLOW-5869] BugFix: Some Deserialized tasks have no start_date (#6519)
- [AIRFLOW-4020] Remove DAG edit permissions from Viewer role (#4845)
- [AIRFLOW-6263] Fix broken WinRM integration (#6832)
- [AIRFLOW-5836] Pin azure-storage-blob version to <12 (#6486)
- [AIRFLOW-4488] Fix typo for non-RBAC UI in max_active_runs_per_dag (#6778)
- [AIRFLOW-5942] Pin PyMSSQL to <3.0 (#6592)
- [AIRFLOW-5451] SparkSubmitHook don't set default namespace (#6072)
- [AIRFLOW-6271] Printing log files read during load_test_config (#6842)
- [AIRFLOW-6308] Unpin Kombu for Python 3

Misc/Internal

- [AIRFLOW-6009] Switch off travis_wait for regular tests (#6600)
- [AIRFLOW-6226] Always reset warnings in tests
- [AIRFLOW-XXX] Remove cyclic imports and pylint hacks in Serialization (#6601)
- [AIRFLOW-XXX] Bump npm from 6.4.1 to 6.13.4 in /airflow/www (#6815)
- [AIRFLOW-XXX] Remove executable permission from file
- [AIRFLOW-XXX] Group AWS & Azure dependencies (old [\[emr\]](#) etc. extra still work)
- [AIRFLOW-5487] Fix unused warning var (#6111)
- [AIRFLOW-5925] Relax [funcsigns](#) and psutil version requirements (#6580)
- [AIRFLOW-5740] Fix Transient failure in Slack test (#6407)
- [AIRFLOW-6058] Running tests with pytest (#6472)
- [AIRFLOW-6066] Added pre-commit checks for accidental debug stmts (#6662)
- [AIRFLOW-6060] Improve conf_vars context manager (#6658)
- [AIRFLOW-6044] Standardize the Code Structure in kube_pod_operator.py (#6639)
- [AIRFLOW-4940] Simplify tests of DynamoDBToS3Operator (#6836)
- [AIRFLOW-XXX] Update airflow-jira release management script (#6772)
- [AIRFLOW-XXX] Add simple guidelines to unit test writing (#6846)
- [AIRFLOW-6309] Fix stable build on Travis

Doc only changes

- [AIRFLOW-6211] Doc how to use conda for local virtualenv (#6766)

- [AIRFLOW-5855] Fix broken reference in custom operator doc (#6508)
- [AIRFLOW-5875] Fix typo in example_qubole_operator.py (#6525)
- [AIRFLOW-5702] Fix common docstring issues (#6372)
- [AIRFLOW-5640] Document and test `email` parameters of BaseOperator (#6315)
- [AIRFLOW-XXX] Improve description OpenFaaS Hook (#6187)
- [AIRFLOW-XXX] GSoD: How to make DAGs production ready (#6515)
- [AIRFLOW-XXX] Use full command in examples (#5973)
- [AIRFLOW-XXX] Update docs to accurately describe the precedence of remote and local logs (#5607)
- [AIRFLOW-XXX] Fix example "extras" field in mysql connect doc (#5285)
- [AIRFLOW-XXX] Fix wrong inline code highlighting in docs (#5309)
- [AIRFLOW-XXX] Group executors in one section (#5834)
- [AIRFLOW-XXX] Add task lifecycle diagram to documentation (#6762)
- [AIRFLOW-XXX] Highlight code blocks (#6243)
- [AIRFLOW-XXX] Documents about task_concurrency and pool (#5262)
- [AIRFLOW-XXX] Fix incorrect docstring parameter (#6649)
- [AIRFLOW-XXX] Add link to XCom section in concepts.rst (#6791)
- [AIRFLOW-XXX] Update kubernetes doc with correct path (#6774)
- [AIRFLOW-XXX] Add information how to configure pytest runner (#6736)
- [AIRFLOW-XXX] more GSOD improvements (#6585)
- [AIRFLOW-XXX] Clarified a grammatically incorrect sentence (#6667)
- [AIRFLOW-XXX] Add notice for Mesos Executor deprecation in docs (#6712)
- [AIRFLOW-XXX] Update list of pre-commits (#6603)
- [AIRFLOW-XXX] Updates to Breeze documentation from GSOD (#6285)
- [AIRFLOW-XXX] Clarify daylight savings time behavior (#6324)
- [AIRFLOW-XXX] GSoD: Adding 'Create a custom operator' doc (#6348)
- [AIRFLOW-XXX] Add resources & links to CONTRIBUTING.rst (#6405)
- [AIRFLOW-XXX] Update chat channel details from gitter to slack (#4149)
- [AIRFLOW-XXX] Add logo info to readme (#6349)
- [AIRFLOW-XXX] Fixed case problem with CONTRIBUTING.rst (#6329)
- [AIRFLOW-XXX] Google Season of Docs updates to CONTRIBUTING doc (#6283)

Airflow 1.10.6, 2019-10-28

New Features

- [AIRFLOW-4908] Implement BigQuery Hooks/Operators for update_dataset, patch_dataset and get_dataset (#5546)
- [AIRFLOW-4741] Optionally report task errors to Sentry (#5407)
- [AIRFLOW-4939] Add default_task_retries config (#5570)
- [AIRFLOW-5508] Add config setting to limit which StatsD metrics are emitted (#6130)
- [AIRFLOW-4222] Add cli autocomplete for bash & zsh (#5789)
- [AIRFLOW-3871] Operators template fields can now render fields inside objects (#4743)

Improvements

- [AIRFLOW-5127] Gzip support for CassandraToGoogleCloudStorageOperator (#5738)
- [AIRFLOW-5125] Add gzip support for AdlsToGoogleCloudStorageOperator (#5737)
- [AIRFLOW-5124] Add gzip support for S3ToGoogleCloudStorageOperator (#5736)
- [AIRFLOW-5653] Log AirflowSkipException in task instance log to make it clearer why tasks might be skipped (#6330)
- [AIRFLOW-5343] Remove legacy SQLAlchemy pessimistic pool disconnect handling (#6034)
- [AIRFLOW-5561] Relax httplib2 version required for gcp extra (#6194)
- [AIRFLOW-5657] Update the upper bound for dill dependency (#6334)
- [AIRFLOW-5292] Allow ECSOperator to tag tasks (#5891)
- [AIRFLOW-4939] Simplify Code for Default Task Retries (#6233)
- [AIRFLOW-5126] Read `aws_session_token` in extra_config of the aws hook (#6303)
- [AIRFLOW-5636] Allow adding or overriding existing Operator Links (#6302)
- [AIRFLOW-4965] Handle quote exceptions in GCP AI operators (v1.10) (#6304)
- [AIRFLOW-3783] Speed up Redshift to S3 unload with HEADERS (#6309)
- [AIRFLOW-3388] Add support to Array Jobs for AWS Batch Operator (#6153)
- [AIRFLOW-4574] add option to provide private_key in SSHHook (#6104) (#6163)
- [AIRFLOW-5530] Fix typo in AWS SQS sensors (#6012)
- [AIRFLOW-5445] Reduce the required resources for the Kubernetes's sidecar (#6062)
- [AIRFLOW-5443] Use alpine image in Kubernetes's sidecar (#6059)
- [AIRFLOW-5344] Add `-proxy-user` parameter to SparkSubmitOperator (#5948)

- [AIRFLOW-3888] HA for Hive metastore connection (#4708)
- [AIRFLOW-5269] Reuse session in Scheduler Job from health endpoint (#5873)
- [AIRFLOW-5153] Option to force delete non-empty BQ datasets (#5768)
- [AIRFLOW-4443] Document LatestOnly behavior for external trigger (#5214)
- [AIRFLOW-2891] Make DockerOperator container_name be templateable (#5696)
- [AIRFLOW-2891] allow configurable docker_operator container name (#5689)
- [AIRFLOW-4285] Update task dependency context definition and usage (#5079)
- [AIRFLOW-5142] Fixed flaky Cassandra test (#5758)
- [AIRFLOW-5218] Less polling of AWS Batch job status (#5825)
- [AIRFLOW-4956] Fix LocalTaskJob heartbeat log spamming (#5589)
- [AIRFLOW-3160] Load latest_dagruns asynchronously on home page (#5339)
- [AIRFLOW-5560] Allow no confirmation on reset dags in *airflow backfill* command (#6195)
- [AIRFLOW-5280] conn: Remove aws_default's default region name (#5879)
- [AIRFLOW-5528] end_of_log_mark should not be a log record (#6159)
- [AIRFLOW-5526] Update docs configuration due to migration of GCP docs (#6154)
- [AIRFLOW-4835] Refactor operator render_template (#5461)

Bug Fixes

- [AIRFLOW-5459] Use a dynamic tmp location in Dataflow operator (#6078)
- [Airflow 4923] Fix Databricks hook leaks API secret in logs (#5635)
- [AIRFLOW-5133] Keep original env state in provide_gcp_credential_file (#5747)
- [AIRFLOW-5497] Update docstring in [airflow/utils/dag_processing.py](#) (#6314)
- Revert/and then rework "[AIRFLOW-4797] Improve performance and behaviour of zombie detection (#5511)" to improve performance (#5908)
- [AIRFLOW-5634] Don't allow editing of DagModelView (#6308)
- [AIRFLOW-4309] Remove Broken Dag error after Dag is deleted (#6102)
- [AIRFLOW-5387] Fix "show paused" pagination bug (#6100)
- [AIRFLOW-5489] Remove unneeded assignment of variable (#6106)
- [AIRFLOW-5491] mark_tasks pydoc is incorrect (#6108)
- [AIRFLOW-5492] added missing docstrings (#6107)
- [AIRFLOW-5503] Fix tree view layout on HDPI screen (#6125)
- [AIRFLOW-5481] Allow Deleting Renamed DAGs (#6101)
- [AIRFLOW-3857] spark_submit_hook cannot kill driver pod in Kubernetes (#4678)
- [AIRFLOW-4391] Fix tooltip for None-State Tasks in 'Recent Tasks' (#5909)
- [AIRFLOW-5554] Require statsd 3.3.0 minimum (#6185)
- [AIRFLOW-5306] Fix the display of links when they contain special characters (#5904)
- [AIRFLOW-3705] Fix PostgresHook get_conn to use conn_name_attr (#5841)
- [AIRFLOW-5581] Cleanly shutdown KubernetesJobWatcher for safe Scheduler shutdown on SIGTERM (#6237)
- [AIRFLOW-5634] Don't allow disabled fields to be edited in DagModelView (#6307)
- [AIRFLOW-4833] Allow to set Jinja env options in DAG declaration (#5943)
- [AIRFLOW-5408] Fix env variable name in Kubernetes template (#6016)
- [AIRFLOW-5102] Worker jobs should terminate themselves if they can't heartbeat (#6284)
- [AIRFLOW-5572] Clear task reschedules when clearing task instances (#6217)
- [AIRFLOW-5543] Fix tooltip disappears in tree and graph view (RBAC UI) (#6174)
- [AIRFLOW-5444] Fix action_logging so that request.form for POST is logged (#6064)
- [AIRFLOW-5484] fix PigCliHook has incorrect named parameter (#6112)
- [AIRFLOW-5342] Fix MSSQL breaking task_instance db migration (#6014)
- [AIRFLOW-5556] Add separate config for timeout from scheduler dag processing (#6186)
- [AIRFLOW-4858] Deprecate "Historical convenience functions" in airflow.configuration (#5495) (#6144)
- [AIRFLOW-774] Fix long-broken DAG parsing Statsd metrics (#6157)
- [AIRFLOW-5419] Use `sudo` to kill cleared tasks when running with impersonation (#6026) (#6176)
- [AIRFLOW-5537] Yamllint is not needed as dependency on host
- [AIRFLOW-5536] Better handling of temporary output files
- [AIRFLOW-5535] Fix name of VERBOSE parameter
- [AIRFLOW-5519] Fix sql_to_gcs operator missing multi-level default args by adding apply_defaults decorator (#6146)
- [AIRFLOW-5210] Make finding template files more efficient (#5815)
- [AIRFLOW-5447] Scheduler stalls because second watcher thread in default args (#6129)

Doc-only changes

- [AIRFLOW-5574] Fix Google Analytics script loading (#6218)
- [AIRFLOW-5588] Add Celery's architecture diagram (#6247)
- [AIRFLOW-5521] Fix link to GCP documentation (#6150)
- [AIRFLOW-5398] Update contrib example DAGs to context manager (#5998)

- [AIRFLOW-5268] Apply same DAG naming conventions as in literature (#5874)
- [AIRFLOW-5101] Fix inconsistent owner value in examples (#5712)
- [AIRFLOW-XXX] Fix typo - AWS DynamoDB Hook (#6319)
- [AIRFLOW-XXX] Fix Documentation for adding extra Operator Links (#6301)
- [AIRFLOW-XXX] Add section on task lifecycle & correct casing in docs (#4681)
- [AIRFLOW-XXX] Make it clear that 1.10.5 was not accidentally omitted from UPDATING.md (#6240)
- [AIRFLOW-XXX] Improve format in code-block directives (#6242)
- [AIRFLOW-XXX] Format Sendgrid docs (#6245)
- [AIRFLOW-XXX] Update to new logo (#6066)
- [AIRFLOW-XXX] Typo in FAQ - schedule_interval (#6291)
- [AIRFLOW-XXX] Add message about breaking change in DAG#get_task_instances in 1.10.4 (#6226)
- [AIRFLOW-XXX] Fix incorrect units in docs for metrics using Timers (#6152)
- [AIRFLOW-XXX] Fix backtick issues in .rst files & Add Precommit hook (#6162)
- [AIRFLOW-XXX] Update documentation about variables forcing answer (#6158)
- [AIRFLOW-XXX] Add a third way to configure authorization (#6134)
- [AIRFLOW-XXX] Add example of running pre-commit hooks on single file (#6143)
- [AIRFLOW-XXX] Add information about default pool to docs (#6019)
- [AIRFLOW-XXX] Make Breeze The default integration test environment (#6001)

Misc/Internal

- [AIRFLOW-5687] Upgrade pip to 19.0.2 in CI build pipeline (#6358) (#6361)
- [AIRFLOW-5533] Fixed failing CRON build (#6167)
- [AIRFLOW-5130] Use GOOGLE_APPLICATION_CREDENTIALS constant from library (#5744)
- [AIRFLOW-5369] Adds interactivity to pre-commits (#5976)
- [AIRFLOW-5531] Replace deprecated log.warn() with log.warning() (#6165)
- [AIRFLOW-4686] Make dags Pylint compatible (#5753)
- [AIRFLOW-4864] Remove calls to load_test_config (#5502)
- [AIRFLOW-XXX] Pin version of mypy so we are stable over time (#6198)
- [AIRFLOW-XXX] Add tests that got missed from #5127
- [AIRFLOW-4928] Move config parses to class properties inside DagBag (#5557)
- [AIRFLOW-5003] Making AWS Hooks pylint compatible (#5627)
- [AIRFLOW-5580] Add base class for system test (#6229)

Airflow 1.10.5, 2019-09-04

New Features

- [AIRFLOW-1498] Add feature for users to add Google Analytics to Airflow UI (#5850)
- [AIRFLOW-4074] Add option to add labels to Dataproc jobs (#5606)
- [AIRFLOW-4846] Allow specification of an existing secret containing git credentials for init containers (#5475)

Improvements

- [AIRFLOW-5335] Update GCSHook methods so they need min IAM perms (#5939)
- [AIRFLOW-2692] Allow AWS Batch Operator to use templates in job_name parameter (#3557)
- [AIRFLOW-4768] Add Timeout parameter in example_gcp_video_intelligence (#5862)
- [AIRFLOW-5165] Make Dataproc highly available (#5781)
- [AIRFLOW-5139] Allow custom ES configs (#5760)
- [AIRFLOW-5340] Fix GCP DLP example (#594)
- [AIRFLOW-5211] Add pass_value to template_fields BigQueryValueCheckOperator (#5816)
- [AIRFLOW-5113] Support icon url in slack web hook (#5724)
- [AIRFLOW-4230] bigquery schema update options should be a list (#5766)
- [AIRFLOW-1523] Clicking on Graph View should display related DAG run (#5866)
- [AIRFLOW-5027] Generalized CloudWatch log grabbing for ECS and SageMaker operators (#5645)
- [AIRFLOW-5244] Add all possible themes to default_webserver_config.py (#5849)
- [AIRFLOW-5245] Add more metrics around the scheduler (#5853)
- [AIRFLOW-5048] Improve display of Kubernetes resources (#5665)
- [AIRFLOW-5284] Replace deprecated log.warn by log.warning (#5881)
- [AIRFLOW-5276] Remove unused helpers from airflow.utils.helpers (#5878)
- [AIRFLOW-4316] Support setting kubernetes_environment_variables config section from env var (#5668)

Bug fixes

- [AIRFLOW-5168] Fix Dataproc operators that failed in 1.10.4 (#5928)
- [AIRFLOW-5136] Fix Bug with Incorrect template_fields in DataProc(*) Operators (#5751)
- [AIRFLOW-5169] Pass GCP Project ID explicitly to StorageClient in GCSHook (#5783)
- [AIRFLOW-5302] Fix bug in none_skipped Trigger Rule (#5902)
- [AIRFLOW-5350] Fix bug in the num_retries field in BigQueryHook (#5955)
- [AIRFLOW-5145] Fix rbac ui presents false choice to encrypt or not encrypt variable values (#5761)
- [AIRFLOW-5104] Set default schedule for GCP Transfer operators (#5726)
- [AIRFLOW-4462] Use datetime2 column types when using MSSQL backend (#5707)
- [AIRFLOW-5282] Add default timeout on kubeclient & catch HTTPError (#5880)
- [AIRFLOW-5315] TaskInstance not updating from DB when user changes executor_config (#5926)
- [AIRFLOW-4013] Mark success/failed is picking all execution date (#5616)
- [AIRFLOW-5152] Fix autodetect default value in GoogleCloudStorageToBigQueryOperator (#5771)
- [AIRFLOW-5100] Airflow scheduler does not respect safe mode setting (#5757)
- [AIRFLOW-4763] Allow list in DockerOperator.command (#5408)
- [AIRFLOW-5260] Allow empty uri arguments in connection strings (#5855)
- [AIRFLOW-5257] Fix ElasticSearch log handler errors when attempting to close logs (#5863)
- [AIRFLOW-1772] Google Updated Sensor doesnt work with CRON expressions (#5730)
- [AIRFLOW-5085] When you run kubernetes git-sync test from TAG, it fails (#5699)
- [AIRFLOW-5258] ElasticSearch log handler, has 2 times of hours (%H and %I) in _clean_execution_dat (#5864)
- [AIRFLOW-5348] Escape Label in deprecated chart view when set via JS (#5952)
- [AIRFLOW-5357] Fix Content-Type for exported variables.json file (#5963)
- [AIRFLOW-5109] Fix process races when killing processes (#5721)
- [AIRFLOW-5240] Latest version of Kombu is breaking airflow for py2

Misc/Internal

- [AIRFLOW-5111] Remove apt-get upgrade from the Dockerfile (#5722)
- [AIRFLOW-5209] Fix Documentation build (#5814)
- [AIRFLOW-5083] Check licence image building can be faster and moved to before-install (#5695)
- [AIRFLOW-5119] Cron job should always rebuild everything from scratch (#5733)
- [AIRFLOW-5108] In the CI local environment long-running kerberos might fail sometimes (#5719)
- [AIRFLOW-5092] Latest python image should be pulled locally in force_pull_and_build (#5705)
- [AIRFLOW-5225] Consistent licences can be added automatically for all JS files (#5827)
- [AIRFLOW-5229] Add licence to all other file types (#5831)
- [AIRFLOW-5227] Consistent licences for all .sql files (#5829)
- [AIRFLOW-5161] Add pre-commit hooks to run static checks for only changed files (#5777)
- [AIRFLOW-5159] Optimise checklicence image build (do not build if not needed) (#5774)
- [AIRFLOW-5263] Show diff on failure of pre-commit checks (#5869)
- [AIRFLOW-5204] Shell files should be checked with shellcheck and have identical licence (#5807)
- [AIRFLOW-5233] Check for consistency in whitespace (tabs/eols) and common problems (#5835)
- [AIRFLOW-5247] Getting all dependencies from NPM can be moved up in Dockerfile (#5870)
- [AIRFLOW-5143] Corrupted rat.jar became part of the Docker image (#5759)
- [AIRFLOW-5226] Consistent licences for all html JINJA templates (#5828)
- [AIRFLOW-5051] Coverage is not properly reported in the new CI system (#5732)
- [AIRFLOW-5239] Small typo and incorrect tests in CONTRIBUTING.md (#5844)
- [AIRFLOW-5287] Checklicence base image is not pulled (#5886)
- [AIRFLOW-5301] Some not-yet-available files from breeze are committed to master (#5901)
- [AIRFLOW-5285] Pre-commit pylint runs over todo files (#5884)
- [AIRFLOW-5288] Temporary container for static checks should be auto-removed (#5887)
- [AIRFLOW-5326] Fix teething problems for Airflow breeze (#5933)
- [AIRFLOW-5206] All .md files should have all common licence, TOC (where applicable) (#5809)
- [AIRFLOW-5329] Easy way to add local files to docker (#5933)
- [AIRFLOW-4027] Make experimental api tests more stateless (#4854)

Doc-only changes

- [AIRFLOW-XXX] Fixed Azkaban link (#5865)
- [AIRFLOW-XXX] Remove duplicate lines from CONTRIBUTING.md (#5830)
- [AIRFLOW-XXX] Fix incorrect docstring parameter in SchedulerJob (#5729)

Airflow 1.10.4, 2019-08-06

New Features

- [AIRFLOW-4811] Implement GCP Data Loss Prevention Hook and Operators (#5539)
- [AIRFLOW-5035] Replace multiprocessing.Manager with a golang-"channel" style (#5615)
- [AIRFLOW-4883] Kill hung file process managers (#5605)
- [AIRFLOW-4929] Pretty print JSON Variables in UI (#5573)
- [AIRFLOW-4884] Roll up import_errors in RBAC UI (#5516)
- [AIRFLOW-4871] Allow creating DagRuns via RBAC UI (#5507)
- [AIRFLOW-4591] Make default_pool a real pool (#5349)
- [AIRFLOW-4844] Add optional is_paused_upon_creation argument to DAG (#5473)
- [AIRFLOW-4456] Add sub-classable BaseBranchOperator (#5231)
- [AIRFLOW-4343] Show warning in UI if scheduler is not running (#5127)
- [AIRFLOW-4739] Add ability to arbitrarily define kubernetes worker pod labels (#5376)
- [AIRFLOW-4348] Add GCP console link in BigQueryOperator (#5195)
- [AIRFLOW-4306] Global operator extra links (#5094)
- [AIRFLOW-4812] Add batch images annotation (#5433)
- [AIRFLOW-4135] Add Google Cloud Build operator and hook (#5251)
- [AIRFLOW-4781] Add the ability to specify ports in KubernetesPodOperator (#5410)
- [AIRFLOW-4521] Pause dag also pause its subdags (#5283)
- [AIRFLOW-4738] Enforce exampleinclude for example DAGs (#5375)
- [AIRFLOW-4326] Airflow AWS SQS Operator (#5110)
- [AIRFLOW-3729] Support *DownwardAPI* in env variables for KubernetesPodOperator (#4554)
- [AIRFLOW-4585] Implement Kubernetes Pod Mutation Hook (#5359)
- [AIRFLOW-161] New redirect route and extra links (#5059)
- [AIRFLOW-4420] Backfill respects task_concurrency (#5221)
- [AIRFLOW-4147] Add Operator to publish event to Redis (#4967)
- [AIRFLOW-3359] Add option to pass customer encryption keys to Dataproc (#4200)
- [AIRFLOW-4318] Create Google Cloud Translate Speech Operator (#5102)
- [AIRFLOW-3960] Adds Google Cloud Speech operators (#4780)
- [AIRFLOW-1501] Add GoogleCloudStorageDeleteOperator (#5230)
- [AIRFLOW-3672] Add support for Mongo DB DNS Seedlist Connection Format (#4481)
- [AIRFLOW-4397] add integrations docs manually for gcs sensors (#5204)
- [AIRFLOW-4251] Instrument DagRun schedule delay (#5050)
- [AIRFLOW-4118] instrument DagRun duration (#4946)
- [AIRFLOW-4361] Fix flaky test_integration_run_dag_with_scheduler_failure (#5182)
- [AIRFLOW-4361] Fix flaky test_integration_run_dag_with_scheduler_failure (#5140)
- [AIRFLOW-4168] Create Google Cloud Video Intelligence Operators (#4985)
- [AIRFLOW-4397] Add GCSUploadSessionCompleteSensor (#5166)
- [AIRFLOW-4335] Add default num_retries to GCP connection (#5117)
- [AIRFLOW-3808] Add cluster_fields to BigQueryHook's create_empty_table (#4654)
- [AIRFLOW-4362] Fix test_execution_limited_parallelism (#5141)
- [AIRFLOW-4307] Backfill respects concurrency limit (#5128)
- [AIRFLOW-4268] Add MsSqlToGoogleCloudStorageOperator (#5077)
- [AIRFLOW-4169] Add Google Cloud Vision Detect Operators (#4986)
- [AIRFLOW-XXX] Fix WS-2019-0032 (#5384)
- [AIRFLOW-XXX] Fix CVE-2019-11358 (#5197)
- [AIRFLOW-XXX] Change allowed version of Jinja2 to fix CVE-2019-10906 (#5075)

Improvement

- [AIRFLOW-5022] Fix DockerHook for registries with port numbers (#5644)
- [AIRFLOW-4961] Insert TaskFail.duration as int match DB schema column type (#5593)
- [AIRFLOW-5038] skip pod deleted log message when pod deletion is disabled (#5656)
- [AIRFLOW-5067] Update pagination symbols (#5682)
- [AIRFLOW-4981][AIRFLOW-4788] Always use pendulum DateTimes in task instance context (#5654)
- [AIRFLOW-4880] Add success, failure and fail_on_empty params to SqlSensor (#5488)
- [AIRFLOW-3617] Add gpu limits option in configurations for Kube executor and pod (#5643)
- [AIRFLOW-4998] Run multiple queries in BigQueryOperator (#5619)
- [AIRFLOW-4929] Improve display of JSON Variables in UI (#5641)
- [AIRFLOW-4959] Add .hql support for the DataProcHiveOperator (#5591)
- [AIRFLOW-4962] Fix Werkzeug v0.15 deprecation notice for DispatcherMiddleware import (#5595)
- [AIRFLOW-4797] Improve performance and behaviour of zombie detection (#5511)
- [AIRFLOW-4911] Silence the FORBIDDEN errors from the KubernetesExecutor (#5547)
- [AIRFLOW-3495] Validate one of query and query_uri passed to DataProcSparkSqlOperator (#5510)

- [AIRFLOW-4925] Improve css style for Variables Import file field (#5552)
- [AIRFLOW-4906] Improve debugging for the SparkSubmitHook (#5542)
- [AIRFLOW-4904] unittest.cfg name and path can be overridden by setting \$AIRFLOW_TEST_CONFIG (#5540)
- [AIRFLOW-4920] Use html.escape instead of cgi.escape to fix DeprecationWarning (#5551)
- [AIRFLOW-4919] DataProcJobBaseOperator dataproc_*_properties templated (#5555)
- [AIRFLOW-4478] Lazily instantiate default resources objects. (#5259)
- [AIRFLOW-4564] AzureContainerInstance bugfixes and improvements (#5319)
- [AIRFLOW-4237] Including Try Number of Task in Gantt Chart (#5037)
- [AIRFLOW-4862] Allow directly using IP address as hostname for webserver logs (#5501)
- [AIRFLOW-4857] Add templated fields to SlackWebhookOperator (#5490)
- [AIRFLOW-3502] Add celery config option for setting "pool" (#4308)
- [AIRFLOW-3217] Button to toggle line wrapping in log and code views (#4277)
- [AIRFLOW-4491] Add a "Jump to end" button for logs (#5266)
- [AIRFLOW-4422] Pool utilization stats (#5453)
- [AIRFLOW-4805] Add py_file as templated field in DataflowPythonOperator (#5451)
- [AIRFLOW-4838] Surface Athena errors in AWSAthenaOperator (#5467)
- [AIRFLOW-4831] conf.has_option no longer throws if section is missing. (#5455)
- [AIRFLOW-4829] More descriptive exceptions for EMR sensors (#5452)
- [AIRFLOW-4414] AWSAthenaOperator: Push QueryExecutionID to XCom (#5276)
- [AIRFLOW-4791] add "schema" keyword arg to SnowflakeOperator (#5415)
- [AIRFLOW-4759] Don't error when marking successful run as failed (#5435)
- [AIRFLOW-4716] Instrument dag loading time duration (#5350)
- [AIRFLOW-3958] Support list tasks as upstream in chain (#4779)
- [AIRFLOW-4409] Prevent task duration break by null value (#5178)
- [AIRFLOW-4418] Add "failed only" option to task modal (#5193)
- [AIRFLOW-4740] Accept string `end_date` in DAG default_args (#5381)
- [AIRFLOW-4423] Improve date handling in mysql to gcs operator. (#5196)
- [AIRFLOW-4447] Display task duration as human friendly format in UI (#5218)
- [AIRFLOW-4377] Remove needless object conversion in DAG.owner() (#5144)
- [AIRFLOW-4766] Add autoscaling option for DataprocClusterCreateOperator (#5425)
- [AIRFLOW-4795] Upgrade alembic to latest release. (#5411)
- [AIRFLOW-4793] Add signature_name to mlengine operator (#5417)
- [AIRFLOW-3211] Reattach to GCP Dataproc jobs upon Airflow restart (#4083)
- [AIRFLOW-4750] Log identified zombie task instances (#5389)
- [AIRFLOW-3870] STFPOperator: Update log level and return value (#4355)
- [AIRFLOW-4759] Batch queries in set_state API. (#5403)
- [AIRFLOW-2737] Restore original license header to airflow.api.auth.backend.kerberos_auth
- [AIRFLOW-3635] Fix incorrect logic in delete_dag (introduced in PR#4406) (#4445)
- [AIRFLOW-3599] Removed Dagbag from delete dag (#4406)
- [AIRFLOW-4737] Increase and document celery queue name limit (#5383)
- [AIRFLOW-4505] Correct Tag ALL for PY3 (#5275)
- [AIRFLOW-4743] Add environment variables support to SSHOperator (#5385)
- [AIRFLOW-4725] Fix setup.py PEP440 & Sphinx-PyPI-upload dependency (#5363)
- [AIRFLOW-3370] Add stdout output options to Elasticsearch task log handler (#5048)
- [AIRFLOW-4396] Provide a link to external Elasticsearch logs in UI. (#5164)
- [AIRFLOW-1381] Allow setting host temporary directory in DockerOperator (#5369)
- [AIRFLOW-4598] Task retries are not exhausted for K8s executor (#5347)
- [AIRFLOW-4218] Support to Provide http args to K8sexecutor while calling k8 python client lib apis (#5060)
- [AIRFLOW-4159] Add support for additional static pod labels for K8sExecutor (#5134)
- [AIRFLOW-4720] Allow comments in .airflowignore files. (#5355)
- [AIRFLOW-4486] Add AWS IAM authentication in MySQLHook (#5334)
- [AIRFLOW-4417] Add AWS IAM authentication for PostgresHook (#5223)
- [AIRFLOW-3990] Compile regular expressions. (#4813)
- [AIRFLOW-4572] Rename prepare_classpath() to prepare_syspath() (#5328)
- [AIRFLOW-3869] Raise consistent exception in AirflowConfigParser.getboolean (#4692)
- [AIRFLOW-4571] Add headers to templated field for SimpleHttpOperator (#5326)
- [AIRFLOW-3867] Rename GCP's subpackage (#4690)
- [AIRFLOW-3725] Add private_key to bigquery_hook get_pandas_df (#4549)
- [AIRFLOW-4546] Upgrade google-cloud-bigtable. (#5307)
- [AIRFLOW-4519] Optimise operator classname sorting in views (#5282)
- [AIRFLOW-4503] Support fully pig options (#5271)
- [AIRFLOW-4468] add sqlalchemy_max_overflow parameter (#5249)
- [AIRFLOW-4467] Add dataproc_jars to templated fields in Dataproc oper... (#5248)
- [AIRFLOW-4381] Use get_direct_relative_ids get task relatives (#5147)
- [AIRFLOW-3624] Add masterType parameter to MLEngineTrainingOperator (#4428)

- [AIRFLOW-3143] Support Auto-Zone in DataprocClusterCreateOperator (#5169)
- [AIRFLOW-3874] Improve BigQueryHook.run_with_configuration's location support (#4695)
- [AIRFLOW-4399] Avoid duplicated os.path.isfile() check in models.dagbag (#5165)
- [AIRFLOW-4031] Allow for key pair auth in snowflake hook (#4875)
- [AIRFLOW-3901] add role as optional config parameter for SnowflakeHook (#4721)
- [AIRFLOW-3455] add region in snowflake connector (#4285)
- [AIRFLOW-4073] add template_ext for AWS Athena operator (#4907)
- [AIRFLOW-4093] AWSAthenaOperator: Throw exception if job failed/cancelled/reach max retries (#4919)
- [AIRFLOW-4356] Add extra RuntimeEnvironment keys to DataFlowHook (#5149)
- [AIRFLOW-4337] Fix docker-compose deprecation warning in CI (#5119)
- [AIRFLOW-3603] QuboleOperator: Remove SQLCommand from SparkCmd documentation (#4411)
- [AIRFLOW-4328] Fix link to task instances from Pool page (#5124)
- [AIRFLOW-4255] Make GCS Hook Backwards compatible (#5089)
- [AIRFLOW-4103] Allow uppercase letters in dataflow job names (#4925)
- [AIRFLOW-4255] Replace Discovery based api with client based for GCS (#5054)
- [AIRFLOW-4311] Remove sleep in localexecutor (#5096)
- [AIRFLOW-2836] Minor improvement-contrib.sensors.FileSensor (#3674)
- [AIRFLOW-4104] Add type annotations to common classes. (#4926)
- [AIRFLOW-3910] Raise exception explicitly in Connection.get_hook() (#4728)
- [AIRFLOW-3322] Update QuboleHook to fetch args dynamically from qds_sdk (#4165)
- [AIRFLOW-4565] instrument celery executor (#5321)
- [AIRFLOW-4573] Import airflow_local_settings after prepare_classpath (#5330)
- [AIRFLOW-4448] Don't bake ENV and _cmd into tmp config for non-sudo (#4050)
- [AIRFLOW-4295] Make `method` attribute case insensitive in HttpHook (#5313)
- [AIRFLOW-3703] Add dnsPolicy option for KubernetesPodOperator (#4520)
- [AIRFLOW-3057] add prev_*_date_success to template context (#5372)
- [AIRFLOW-4336] Stop showing entire GCS files bytes in log for gcs_download_operator (#5151)
- [AIRFLOW-4528] Cancel DataProc task on timeout (#5293)

Bug fixes

- [AIRFLOW-5089] Change version requirement on google-cloud-spanner to work around version incompatibility (#5703)
- [AIRFLOW-4289] fix spark_binary argument being ignored in SparkSubmitHook (#5564)
- [AIRFLOW-5075] Let HttpHook handle connections with empty host fields (#5686)
- [AIRFLOW-4822] Fix bug where parent-dag task instances are wrongly cleared when using subdags (#5444)
- [AIRFLOW-5050] Correctly delete FAB permission m2m objects in `airflow sync_perms` (#5679)
- [AIRFLOW-5030] fix env var expansion for config key contains `__` (#5650)
- [AIRFLOW-4590] changing log level to be proper library to suppress warning in WinRM (#5337)
- [AIRFLOW-4451] Allow named tuples to be templated (#5673)
- [AIRFLOW-XXX] Fix bug where Kube pod limits were not applied (requests were, but not limits) (#5657)
- [AIRFLOW-4775] Fix incorrect parameter order in GceHook (#5613)
- [AIRFLOW-4995] Fix DB initialisation on MySQL >=8.0.16 (#5614)
- [AIRFLOW-4934] Fix ProxyFix due to Werkzeug upgrade (#5563) (#5571)
- [AIRFLOW-4136] fix key_file of hook is overwritten by SSHHook connection (#5558)
- [AIRFLOW-4587] Replace self.conn with self.get_conn() in AWSAthenaHook (#5545)
- [AIRFLOW-1740] Fix xcom creation and update via UI (#5530) (#5531)
- [AIRFLOW-4900] Resolve incompatible version of Werkzeug (#5535)
- [AIRFLOW-4510] Don't mutate default_args during DAG initialization (#5277)
- [AIRFLOW-3360] Make the DAGs search respect other querystring parameters with url-search-params-polyfill for IE support (#5503)
- [AIRFLOW-4896] Make KubernetesExecutorConfig's default args immutable (#5534)
- [AIRFLOW-4494] Remove `shell=True` in DaskExecutor (#5273)
- [AIRFLOW-4890] Fix Log link in TaskInstance's View for Non-RBAC (#5525)
- [AIRFLOW-4892] Fix connection creation via UIs (#5527)
- [AIRFLOW-4406] Fix a method name typo: NullFernet.decrypt to decrypt (#5509)
- [AIRFLOW-4849] Add gcp_conn_id to cloudsqldatabehook class to use correctly CloudSqlProxyRunner class (#5478)
- [AIRFLOW-4769] Pass gcp_conn_id to BigtableHook (#5445)
- [AIRFLOW-4524] Fix incorrect field names in view for Mark Success/Failure (#5486)
- [AIRFLOW-3671] Remove arg `replace` of MongoToS3Operator from `kwargs` (#4480)
- [AIRFLOW-4845] Fix bug where runAsUser 0 doesn't get set in k8s security context (#5474)
- [AIRFLOW-4354] Fix exception in "between" date filter in classic UI (#5480)
- [AIRFLOW-4587] Replace self.conn with self.get_conn() in AWSAthenaHook (#5462)
- [AIRFLOW-4516] K8s runAsUser and fsGroup cannot be strings (#5429)
- [AIRFLOW-4298] Stop Scheduler repeatedly warning "connection invalidated" (#5470)
- [AIRFLOW-4559] JenkinsJobTriggerOperator bugfix (#5318)

- [AIRFLOW-4841] Pin Sphinx AutoApi to 1.0.0 (#5468)
- [AIRFLOW-4479] Include s3_overwrite kwarg in load_bytes method (#5312)
- [AIRFLOW-3746] Fix DockerOperator missing container exit (#4583)
- [AIRFLOW-4233] Remove Template Extension from Bq to GCS Operator (#5456)
- [AIRFLOW-2141][AIRFLOW-3157][AIRFLOW-4170] Serialize non-str value by JSON when importing Variables (#4991)
- [AIRFLOW-4826] Remove warning from `airflow resetdb` command (#5447)
- [AIRFLOW-4148] Fix editing DagRuns when clicking state column (#5436)
- [AIRFLOW-4455] dag_details broken for subdags in RBAC UI (#5234)
- [AIRFLOW-2955] Fix kubernetes pod operator to set requests and limits on task pods (#4551)
- [AIRFLOW-4459] Fix wrong DAG count in /home page when DAG count is zero (#5235)
- [AIRFLOW-3876] AttributeError: module `distutils` has no attribute 'util'
- [AIRFLOW-4146] Fix CgroupTaskRunner errors (#5224)
- [AIRFLOW-4524] Fix bug with "Ignore *" toggles in RBAC mode (#5378)
- [AIRFLOW-4765] Fix DataProcPigOperator execute method (#5426)
- [AIRFLOW-4798] obviate interdependencies for dagbag and TI tests (#5422)
- [AIRFLOW-4800] fix GKEClusterHook ctor calls (#5424)
- [AIRFLOW-4799] don't mutate self.env in BashOperator execute method (#5421)
- [AIRFLOW-4393] Add retry logic when fetching pod status and/or logs in KubernetesPodOperator (#5284)
- [AIRFLOW-4174] Fix HttpHook run with backoff (#5213)
- [AIRFLOW-4463] Handle divide-by-zero errors in short retry intervals (#5243)
- [AIRFLOW-2614] Speed up trigger_dag API call when lots of DAGs in system
- [AIRFLOW-4756] add ti.state to ti.start_date as criteria for gantt (#5399)
- [AIRFLOW-4760] Fix zip-packaged DAGs disappearing from DagBag when reloaded (#5404)
- [AIRFLOW-4731] Fix GCS hook with google-storage-client 1.16 (#5368)
- [AIRFLOW-3506] use match_phrase to query log_id in elasticsearch (#4342)
- [AIRFLOW-4084] fix ElasticSearch log download (#5177)
- [AIRFLOW-4501] Register pendulum datetime converter for sqla+pymysql (#5190)
- [AIRFLOW-986] HiveCliHook ignores 'proxy_user' value in a connection's extra parameter (#5305)
- [AIRFLOW-4442] fix hive_tblproperties in HiveToDruidTransfer (#5211)
- [AIRFLOW-4557] Add gcp_conn_id parameter to get_sqlproxy_runner() of CloudSqlDatabaseHook (#5314)
- [AIRFLOW-4545] Upgrade FAB to latest version (#4955)
- [AIRFLOW-4492] Change Dataproc Cluster operators to poll Operations (#5269)
- [AIRFLOW-4452] Webserver and Scheduler keep crashing because of slackclient update (#5225)
- [AIRFLOW-4450] Fix request arguments in has_dag_access (#5220)
- [AIRFLOW-4434] Support Impala with the HiveServer2Hook (#5206)
- [AIRFLOW-3449] Write local dag parsing logs when remote logging enabled. (#5175)
- [AIRFLOW-4300] Fix graph modal call when DAG has not yet run (#5185)
- [AIRFLOW-4401] Use managers for Queue synchronization (#5200)
- [AIRFLOW-3626] Fixed triggering DAGs contained within zip files (#4439)
- [AIRFLOW-3720] Fix mismatch while comparing GCS and S3 files (#4766)
- [AIRFLOW-4403] search by `dag_id` or `owners` in UI (#5184)
- [AIRFLOW-4308] Fix TZ-loop around DST on python 3.6+ (#5095)
- [AIRFLOW-4324] fix DAG fuzzy search in RBAC UI (#5131)
- [AIRFLOW-4297] Temporary hot fix on manage_slas() for 1.10.4 release (#5150)
- [AIRFLOW-4299] Upgrade to Celery 4.3.0 to fix crashing workers (#5116)
- [AIRFLOW-4291] Correctly render doc_md in DAG graph page (#5121)
- [AIRFLOW-4310] Fix incorrect link on Dag Details page (#5122)
- [AIRFLOW-4331] Correct filter for Null-state runs from Dag Detail page (#5123)
- [AIRFLOW-4294] Fix missing dag & task runs in UI dag_id contains a dot (#5111)
- [AIRFLOW-4332] Upgrade sqlalchemy to remove security Vulnerability (#5113)
- [AIRFLOW-4312] Add template_fields & template_ext to BigQueryCheckO... (#5097)
- [AIRFLOW-4293] Fix downgrade in d4ecb8fbee3_add_schedule_interval_to_dag.py (#5086)
- [AIRFLOW-4267] Fix TI duration in Graph View (#5071)
- [AIRFLOW-4163] IntervalCheckOperator supports relative diff and not ignore 0 (#4983)
- [AIRFLOW-3938] QuboleOperator Fixes and Support for SqlCommand (#4832)
- [AIRFLOW-2903] Change default owner to `airflow` (#4151)
- [AIRFLOW-4136] Fix overwrite of key_file by constructor (#5155)
- [AIRFLOW-3241] Remove Invalid template ext in GCS Sensors (#4076)

Misc/Internal

- [AIRFLOW-4338] Change k8s pod_request_factory to use yaml safe_load (#5120)
- [AIRFLOW-4869] Reorganize sql to gcs operators. (#5504)
- [AIRFLOW-5021] move gitpython into setup_requires (#5640)

- [AIRFLOW-4583] Fixes type error in GKEPodOperator (#5612)
- [AIRFLOW-4116] Dockerfile now supports CI image build on DockerHub (#4937)
- [AIRFLOW-4115] Multi-staging Airflow Docker image (#4936)
- [AIRFLOW-4963] Avoid recreating task context (#5596)
- [AIRFLOW-4865] Add context manager to set temporary config values in tests. (#5569)
- [AIRFLOW-4937] Fix Iodash security issue with version below 4.17.13 (#5572) (used only in build-pipeline, not runtime)
- [AIRFLOW-4868] Fix typo in kubernetes/docker/build.sh (#5505)
- [AIRFLOW-4211] Add tests for WebHDFSHook (#5015)
- [AIRFLOW-4320] Add tests for SegmentTrackEventOperator (#5104)
- [AIRFLOW-4319] Add tests for Bigquery related Operators (#5101)
- [AIRFLOW-4014] Change DatastoreHook and add tests (#4842)
- [AIRFLOW-4322] Add test for VerticaOperator (#5107)
- [AIRFLOW-4323] Add 2 tests for WinRMOperator (#5108)
- [AIRFLOW-3677] Improve CheckOperator test coverage (#4756)
- [AIRFLOW-4659] Fix pylint problems for api module (#5398)
- [AIRFLOW-4358] Speed up test_jobs by not running tasks (#5162)
- [AIRFLOW-4394] Don't test behaviour of BackfillJob from CLI tests (#5160)
- [AIRFLOW-3471] Move XCom out of models.py (#4629)
- [AIRFLOW-4379] Remove duplicate code & Add validation in gcs_to_gcs.py (#5145)
- [AIRFLOW-4259] Move models out of models.py (#5056)
- [AIRFLOW-XXX] Speed up building of Cassandra module on Travis (#5233)
- [AIRFLOW-4535] Break jobs.py into multiple files (#5303)
- [AIRFLOW-1464] Batch update task_instance state (#5323)
- [AIRFLOW-4554] Test for sudo command, add some other test docs (#5310)
- [AIRFLOW-4419] Refine concurrency check in scheduler (#5194)
- [AIRFLOW-4269] Minor acceleration of jobs._process_task_instances() (#5076)
- [AIRFLOW-4341] Remove `View.render()` already exists in fab.BaseView (#5125)
- [AIRFLOW-4342] Use `@cached_property` instead of re-implementing it each time (#5126)
- [AIRFLOW-4256] Remove noqa from migrations (#5055)
- [AIRFLOW-4034] Remove unnecessary string formatting with `**locals()` (#4861)
- [AIRFLOW-3944] Remove code smells (#4762)

Doc-only changes

- [AIRFLOW-XXX] Add missing doc for annotations param of KubernetesPodOperator (#5666)
- [AIRFLOW-XXX] Fix typos in CONTRIBUTING.md (#5626)
- [AIRFLOW-XXX] Correct BaseSensorOperator docs (#5562)
- [AIRFLOW-4926] Fix example dags where its start_date is datetime.utcnow() (#5553)
- [AIRFLOW-4860] Remove Redundant Information in Example Dags (#5497)
- [AIRFLOW-4767] Fix errors in the documentation of Dataproc Operator (#5487)
- [AIRFLOW-1684] Branching based on XCom variable (Docs) (#4365)
- [AIRFLOW-3341] FAQ return DAG object example (#4605)
- [AIRFLOW-4433] Add missing type in DockerOperator doc string (#5205)
- [AIRFLOW-4321] Replace incorrect info of Max Size limit of GCS Object Size (#5106)
- [AIRFLOW-XXX] Add information about user list (#5341)
- [AIRFLOW-XXX] Clarify documentation related to autodetect parameter in GCS_to_BQ Op (#5294)
- [AIRFLOW-XXX] Remove mention of pytz compatibility from timezone documentation (#5316)
- [AIRFLOW-XXX] Add missing docs for GoogleCloudStorageDeleteOperator (#5274)
- [AIRFLOW-XXX] Remove incorrect note about Scopes of GCP connection (#5242)
- [AIRFLOW-XXX] Fix mistakes in docs of Dataproc operators (#5192)
- [AIRFLOW-XXX] Link to correct class for timedelta in macros.rst (#5226)
- [AIRFLOW-XXX] Add Kamil as committer (#5216)
- [AIRFLOW-XXX] Add Joshua and Kevin as committer (#5207)
- [AIRFLOW-XXX] Reduce log spam in tests (#5174)
- [AIRFLOW-XXX] Speed up tests for PythonSensor (#5158)
- [AIRFLOW-XXX] Add Bas Harens as committer (#5157)
- [AIRFLOW-XXX] Add Jarek Potiuk to committer list (#5132)
- [AIRFLOW-XXX] Update docstring for SchedulerJob (#5105)
- [AIRFLOW-XXX] Fix docstrings for CassandraToGoogleCloudStorageOperator (#5103)
- [AIRFLOW-XXX] update SlackWebhookHook and SlackWebhookOperator docstring (#5074)
- [AIRFLOW-XXX] Ignore python files under node_modules in docs (#5063)
- [AIRFLOW-XXX] Build a universal wheel with LICNESE files (#5052)
- [AIRFLOW-XXX] Fix docstrings of SQSHook (#5099)
- [AIRFLOW-XXX] Use Py3.7 on readthedocs

- [AIRFLOW-4446] Fix typos (#5217)

Airflow 1.10.3, 2019-04-09

New Feature

- [AIRFLOW-4232] Add `none_skipped` trigger rule (#5032)
- [AIRFLOW-3971] Add Google Cloud Natural Language operators (#4980)
- [AIRFLOW-4069] Add Opsgenie Alert Hook and Operator (#4903)
- [AIRFLOW-3552] Fix encoding issue in ImapAttachmentToS3Operator (#5040)
- [AIRFLOW-3552] Add ImapAttachmentToS3Operator (#4476)
- [AIRFLOW-1526] Add dingding hook and operator (#4895)
- [AIRFLOW-3490] Add BigQueryHook's Ability to Patch Table/View (#4299)
- [AIRFLOW-3918] Add ssh private-key support to git-sync for KubernetesExecutor (#4777)
- [AIRFLOW-3659] Create Google Cloud Transfer Service Operators (#4792)
- [AIRFLOW-3939] Add Google Cloud Translate operator (#4755)
- [AIRFLOW-3541] Add Avro logical type conversion to bigquery hook (#4553)
- [AIRFLOW-4106] instrument staving tasks in pool (#4927)
- [AIRFLOW-2568] Azure Container Instances operator (#4121)
- [AIRFLOW-4107] instrument executor (#4928)
- [AIRFLOW-4033] record stats of task duration (#4858)
- [AIRFLOW-3892] Create Redis pub sub sensor (#4712)
- [AIRFLOW-4124] add `get_table` and `get_table_location` in `aws_glue_hook` and tests (#4942)
- [AIRFLOW-1262] Adds missing docs for email configuration (#4557)
- [AIRFLOW-3701] Add Google Cloud Vision Product Search operators (#4665)
- [AIRFLOW-3766] Add support for kubernetes annotations (#4589)
- [AIRFLOW-3741] Add extra config to Oracle hook (#4584)
- [AIRFLOW-1262] Allow configuration of email alert subject and body (#2338)
- [AIRFLOW-2985] Operators for S3 object copying/deleting (#3823)
- [AIRFLOW-2993] `s3_to_sftp` and `sftp_to_s3` operators (#3828)
- [AIRFLOW-3799] Add compose method to GoogleCloudStorageHook (#4641)
- [AIRFLOW-3218] add support for poking a whole DAG (#4058)
- [AIRFLOW-3315] Add ImapAttachmentSensor (#4161)
- [AIRFLOW-3556] Add cross join set dependency function (#4356)

Improvement

- [AIRFLOW-3823] Exclude branch's downstream tasks from the tasks to skip (#4666)
- [AIRFLOW-3274] Add `run_as_user` and `fs_group` options for Kubernetes (#4648)
- [AIRFLOW-4247] Template Region on the DataprocOperators (#5046)
- [AIRFLOW-4008] add `envFrom` for Kubernetes Executor (#4952)
- [AIRFLOW-3947] Flash msg for no DAG-level access error (#4767)
- [AIRFLOW-3287] Moving database clean-up code into the `CoreTest.tearDown()` (#4122)
- [AIRFLOW-4058] Name models test file to get automatically picked up (#4901)
- [AIRFLOW-3830] Remove DagBag from `/dag_details` (#4831)
- [AIRFLOW-3596] Clean up undefined template variables. (#4401)
- [AIRFLOW-3573] Remove DagStat table (#4378)
- [AIRFLOW-3623] Fix bugs in Download task logs (#5005)
- [AIRFLOW-4173] Improve `SchedulerJob.process_file()` (#4993)
- [AIRFLOW-3540] Warn if old `airflow.cfg` file is found (#5006)
- [AIRFLOW-4000] Return response when no file (#4822)
- [AIRFLOW-3383] Rotate fernet keys. (#4225)
- [AIRFLOW-3003] Pull the `krb5` image instead of building (#3844)
- [AIRFLOW-3862] Check types with `mypy`. (#4685)
- [AIRFLOW-251] Add option `SQL_ALCHEMY_SCHEMA` parameter to specify schema for metadata (#4199)
- [AIRFLOW-1814] Temple PythonOperator `{op_args,op_kwargs}` fields (#4691)
- [AIRFLOW-3730] Standarization use of logs mechanisms (#4556)
- [AIRFLOW-3770] Validation of documentation on CI (#4593)
- [AIRFLOW-3866] Run `docker-compose` pull silently in CI (#4688)
- [AIRFLOW-3685] Move licence header check (#4497)
- [AIRFLOW-3670] Add stages to Travis build (#4477)
- [AIRFLOW-3937] KubernetesPodOperator support for `envFrom` `configMapRef` and `secretRef` (#4772)
- [AIRFLOW-3408] Remove outdated info from Systemd Instructions (#4269)

- [AIRFLOW-3202] add missing documentation for AWS hooks/operator (#4048)
- [AIRFLOW-3908] Add more Google Cloud Vision operators (#4791)
- [AIRFLOW-2915] Add example DAG for GoogleCloudStorageToBigQueryOperator (#3763)
- [AIRFLOW-3062] Add Qubole in integration docs (#3946)
- [AIRFLOW-3288] Add SNS integration (#4123)
- [AIRFLOW-3148] Remove unnecessary arg "parameters" in RedshiftToS3Transfer (#3995)
- [AIRFLOW-3049] Add extra operations for Mongo hook (#3890)
- [AIRFLOW-3559] Add missing options to DatadogHook. (#4362)
- [AIRFLOW-1191] Simplify override of spark submit command. (#4360)
- [AIRFLOW-3155] Add ability to filter by a last modified time in GCS Operator (#4008)
- [AIRFLOW-2864] Fix docstrings for SubDagOperator (#3712)
- [AIRFLOW-4062] Improve docs on install extra package commands (#4966)
- [AIRFLOW-3743] Unify different methods of working out AIRFLOW_HOME (#4705)
- [AIRFLOW-4002] Option to open debugger on errors in *airflow test*. (#4828)
- [AIRFLOW-3997] Extend Variable.get so it can return None when var not found (#4819)
- [AIRFLOW-4009] Fix docstring issue in GCSToBQOperator (#4836)
- [AIRFLOW-3980] Unify logger (#4804)
- [AIRFLOW-4076] Correct port type of beeline_default in init_db (#4908)
- [AIRFLOW-4046] Add validations for poke_interval & timeout for Sensor (#4878)
- [AIRFLOW-3744] Abandon the use of obsolete aliases of methods (#4568)
- [AIRFLOW-3865] Add API endpoint to get python code of dag by id (#4687)
- [AIRFLOW-3516] Support to create k8 worker pods in batches (#4434)
- [AIRFLOW-2843] Add flag in ExternalTaskSensor to check if external DAG/task exists (#4547)
- [AIRFLOW-2224] Add support CSV files in MySQLToGoogleCloudStorageOperator (#4738)
- [AIRFLOW-3895] GoogleCloudStorageHook/Op create_bucket takes optional resource params (#4717)
- [AIRFLOW-3950] Improve AirflowSecurityManager.update_admin_perm_view (#4774)
- [AIRFLOW-4006] Make better use of Set in AirflowSecurityManager (#4833)
- [AIRFLOW-3917] Specify alternate kube config file/context when running out of cluster (#4859)
- [AIRFLOW-3911] Change Harvesting DAG parsing results to DEBUG log level (#4729)
- [AIRFLOW-3584] Use ORM DAGs for index view. (#4390)
- [AIRFLOW-2821] Refine Doc "Plugins" (#3664)
- [AIRFLOW-3561] Improve queries (#4368)
- [AIRFLOW-3600] Remove dagbag from trigger (#4407)
- [AIRFLOW-3713] Updated documentation for GCP optional project_id (#4541)
- [AIRFLOW-2767] Upgrade gunicorn to 19.5.0 to avoid moderate-severity CVE (#4795)
- [AIRFLOW-3795] provide_context param is now used (#4735)
- [AIRFLOW-4012] Upgrade tabulate to 0.8.3 (#4838)
- [AIRFLOW-3623] Support download logs by attempts from UI (#4425)
- [AIRFLOW-2715] Use region setting when launching Dataflow templates (#4139)
- [AIRFLOW-3932] Update unit tests and documentation for safe mode flag. (#4760)
- [AIRFLOW-3932] Optionally skip dag discovery heuristic. (#4746)
- [AIRFLOW-3258] K8S executor environment variables section. (#4627)
- [AIRFLOW-3931] set network, subnetwork when launching dataflow template (#4744)
- [AIRFLOW-4095] Add template_fields for S3CopyObjectOperator & S3DeleteObjectsOperator (#4920)
- [AIRFLOW-2798] Remove needless code from models.py
- [AIRFLOW-3731] Constrain mysqlclient to <1.4 (#4558)
- [AIRFLOW-3139] include parameters into log.info in SQL operators, if any (#3986)
- [AIRFLOW-3174] Refine Docstring for SQL Operators & Hooks (#4043)
- [AIRFLOW-3933] Fix various typos (#4747)
- [AIRFLOW-3905] Allow using "parameters" in SqlSensor (#4723)
- [AIRFLOW-2761] Parallelize enqueue in celery executor (#4234)
- [AIRFLOW-3540] Respect environment config when looking up config file. (#4340)
- [AIRFLOW-2156] Parallelize Celery Executor task state fetching (#3830)
- [AIRFLOW-3702] Add backfill option to run backwards (#4676)
- [AIRFLOW-3821] Add replicas logic to GCP SQL example DAG (#4662)
- [AIRFLOW-3547] Fixed Jinja templating in SparkSubmitOperator (#4347)
- [AIRFLOW-3647] Add archives config option to SparkSubmitOperator (#4467)
- [AIRFLOW-3802] Updated documentation for HiveServer2Hook (#4647)
- [AIRFLOW-3817] Corrected task ids returned by BranchPythonOperator to match the dummy operator ids (#4659)
- [AIRFLOW-3782] Clarify docs around celery worker_autoscale in default_airflow.cfg (#4609)
- [AIRFLOW-1945] Add Autoscale config for Celery workers (#3989)
- [AIRFLOW-3590] Change log message of executor exit status (#4616)
- [AIRFLOW-3591] Fix start date, end date, duration for rescheduled tasks (#4502)
- [AIRFLOW-3709] Validate *allowed_states* for ExternalTaskSensor (#4536)
- [AIRFLOW-3522] Add support for sending Slack attachments (#4332)

- [AIRFLOW-3569] Add "Trigger DAG" button in DAG page (/www only) (#4373)
- [AIRFLOW-3569] Add "Trigger DAG" button in DAG page (/www_rbac only) (#4373)
- [AIRFLOW-3044] Dataflow operators accept templated job_name param (#3887)
- [AIRFLOW-3023] Fix docstring datatypes
- [AIRFLOW-2928] Use uuid4 instead of uuid1 (#3779)
- [AIRFLOW-2988] Run specifically python2 for dataflow (#3826)
- [AIRFLOW-3697] Vendorize nvd3 and slugify (#4513)
- [AIRFLOW-3692] Remove ENV variables to avoid GPL (#4506)
- [AIRFLOW-3907] Upgrade flask and set cookie security flags. (#4725)
- [AIRFLOW-3698] Add documentation for AWS Connection (#4514)
- [AIRFLOW-3616][AIRFLOW-1215] Add aliases for schema with underscore (#4523)
- [AIRFLOW-3375] Support returning multiple tasks with BranchPythonOperator (#4215)
- [AIRFLOW-3742] Fix handling of "fallback" for AirflowConfigParsxer.getint/boolean (#4674)
- [AIRFLOW-3742] Respect the *fallback* arg in airflow.configuration.get (#4567)
- [AIRFLOW-3789] Fix flake8 3.7 errors. (#4617)
- [AIRFLOW-3602] Improve ImapHook handling of retrieving no attachments (#4475)
- [AIRFLOW-3631] Update flake8 and fix lint. (#4436)

Bug fixes

- [AIRFLOW-4248] Fix *FileExistsError* makedirs race in file_processor_handler (#5047)
- [AIRFLOW-4240] State-changing actions should be POST requests (#5039)
- [AIRFLOW-4246] Flask-Oauthlib needs downstream dependencies pinning due to breaking changes (#5045)
- [AIRFLOW-3887] Downgrade dagre-d3 to 0.4.18 (#4713)
- [AIRFLOW-3419] Fix S3Hook.select_key on Python3 (#4970)
- [AIRFLOW-4127] Correct AzureContainerInstanceHook._get_instance_view's return (#4945)
- [AIRFLOW-4172] Fix changes for driver class path option in Spark Submit (#4992)
- [AIRFLOW-3615] Preserve case of UNIX socket paths in Connections (#4591)
- [AIRFLOW-3417] ECSOperator: pass platformVersion only for FARGATE launch type (#4256)
- [AIRFLOW-3884] Fixing doc checker, no warnings allowed anymore and fixed the current... (#4702)
- [AIRFLOW-2652] implement / enhance baseOperator deepcopy
- [AIRFLOW-4001] Update docs about how to run tests (#4826)
- [AIRFLOW-3699] Speed up Flake8 (#4515)
- [AIRFLOW-4160] Fix redirecting of 'Trigger Dag' Button in DAG Page (#4982)
- [AIRFLOW-3650] Skip running on mysql for the flaky test (#4457)
- [AIRFLOW-3423] Fix mongo hook to work with anonymous access (#4258)
- [AIRFLOW-3982] Fix race condition in CI test (#4968)
- [AIRFLOW-3982] Update DagRun state based on its own tasks (#4808)
- [AIRFLOW-3737] Kubernetes executor cannot handle long dag/task names (#4636)
- [AIRFLOW-3945] Stop inserting row when permission views unchanged (#4764)
- [AIRFLOW-4123] Add Exception handling for _change_state method in K8 Executor (#4941)
- [AIRFLOW-3771] Minor refactor securityManager (#4594)
- [AIRFLOW-987] pass kerberos cli args keytab and principal to kerberos.run() (#4238)
- [AIRFLOW-3736] Allow int value in SqoopOperator.extra_import_options (#4906)
- [AIRFLOW-4063] Fix exception string in BigQueryHook [2/2] (#4902)
- [AIRFLOW-4063] Fix exception string in BigQueryHook (#4899)
- [AIRFLOW-4037] Log response in SimpleHttpOperator even if the response check fails
- [AIRFLOW-4044] The documentation of *query_params* in *BigQueryOperator* is wrong. (#4876)
- [AIRFLOW-4015] Make missing API endpoints available in classic mode
- [AIRFLOW-3153] Send DAG processing stats to statsd (#4748)
- [AIRFLOW-2966] Catch ApiException in the Kubernetes Executor (#4209)
- [AIRFLOW-4129] Escape HTML in generated tooltips (#4950)
- [AIRFLOW-4070] AirflowException -> log.warning for duplicate task dependencies (#4904)
- [AIRFLOW-4054] Fix assertEqualIgnoreMultipleSpaces util & add tests (#4886)
- [AIRFLOW-3239] Fix test recovery further (#4074)
- [AIRFLOW-4053] Fix KubePodOperator Xcom on Kube 1.13.0 (#4883)
- [AIRFLOW-2961] Refactor tests.BackfillJobTest.test_backfill_examples test (#3811)
- [AIRFLOW-3606] Fix Flake8 test & fix the Flake8 errors introduced since Flake8 test was broken (#4415)
- [AIRFLOW-3543] Fix deletion of DAG with rescheduled tasks (#4646)
- [AIRFLOW-2548] Output plugin import errors to web UI (#3930)
- [AIRFLOW-4019] Fix AWS Athena Sensor object has no attribute 'mode' (#4844)
- [AIRFLOW-3758] Fix circular import in WasbTaskHandler (#4601)
- [AIRFLOW-3706] Fix tooltip max-width by correcting ordering of CSS files (#4947)
- [AIRFLOW-4100] Correctly JSON escape data for tree/graph views (#4921)

- [AIRFLOW-3636] Fix a test introduced in #4425 (#4446)
- [AIRFLOW-3977] Add examples of trigger rules in doc (#4805)
- [AIRFLOW-2511] Fix improper failed session commit handling causing deadlocks (#4769)
- [AIRFLOW-3962] Added graceful handling for creation of dag_run of a dag which doesn't have any task (#4781)
- [AIRFLOW-3881] Correct to_csv row number (#4699)
- [AIRFLOW-3875] Simplify SlackWebhookHook code and change docstring (#4696)
- [AIRFLOW-3733] Don't raise NameError in HQL hook to_csv when no rows returned (#4560)
- [AIRFLOW-3734] Fix hql not run when partition is None (#4561)
- [AIRFLOW-3767] Correct bulk insert function (#4773)
- [AIRFLOW-4087] remove sudo in basetaskrunner on_finish (#4916)
- [AIRFLOW-3768] Escape search parameter in pagination controls (#4911)
- [AIRFLOW-4045] Fix hard-coded URLs in FAB-based UI (#4914)
- [AIRFLOW-3123] Use a stack for DAG context management (#3956)
- [AIRFLOW-3060] DAG context manager fails to exit properly in certain circumstances
- [AIRFLOW-3924] Fix try number in alert emails (#4741)
- [AIRFLOW-4083] Add tests for link generation utils (#4912)
- [AIRFLOW-2190] Send correct HTTP status for base_url not found (#4910)
- [AIRFLOW-4015] Add get_dag_runs GET endpoint to "classic" API (#4884)
- [AIRFLOW-3239] Enable existing CI tests (#4131)
- [AIRFLOW-1390] Update Alembic to 0.9 (#3935)
- [AIRFLOW-3885] Fix race condition in scheduler test (#4737)
- [AIRFLOW-3885] ~10x speed-up of SchedulerJobTest suite (#4730)
- [AIRFLOW-3780] Fix some incorrect when base_url is used (#4643)
- [AIRFLOW-3807] Fix Graph View Highlighting of Tasks (#4653)
- [AIRFLOW-3009] Import Hashable from collection.abc to fix Python 3.7 deprecation warning (#3849)
- [AIRFLOW-2231] Fix relativedelta DAG schedule_interval (#3174)
- [AIRFLOW-2641] Fix MySqlToHiveTransfer to handle MySQL DECIMAL correctly
- [AIRFLOW-3751] Option to allow malformed schemas for LDAP authentication (#4574)
- [AIRFLOW-2888] Add deprecation path for task_runner config change (#4851)
- [AIRFLOW-2930] Fix celery executor scheduler crash (#3784)
- [AIRFLOW-2888] Remove shell=True and bash from task launch (#3740)
- [AIRFLOW-3885] ~2.5x speed-up for backfill tests (#4731)
- [AIRFLOW-3885] ~20x speed-up of slowest unit test (#4726)
- [AIRFLOW-2508] Handle non string types in Operators templated fields (#4292)
- [AIRFLOW-3792] Fix validation in BQ for useLegacySQL & queryParameters (#4626)
- [AIRFLOW-3749] Fix Edit Dag Run page when using RBAC (#4613)
- [AIRFLOW-3801] Fix DagBag collect dags invocation to prevent examples to be loaded (#4677)
- [AIRFLOW-3774] Register blueprints with RBAC web app (#4598)
- [AIRFLOW-3719] Handle StopIteration in CloudWatch logs retrieval (#4516)
- [AIRFLOW-3108] Define get_autocommit method for MsSqlHook (#4525)
- [AIRFLOW-3074] Add relevant ECS options to ECS operator. (#3908)
- [AIRFLOW-3353] Upgrade Redis client (#4834)
- [AIRFLOW-3250] Fix for Redis Hook for not authorised connection calls (#4090)
- [AIRFLOW-2009] Fix dataflow hook connection-id (#4563)
- [AIRFLOW-2190] Fix TypeError when returning 404 (#4596)
- [AIRFLOW-2876] Update Tenacity to 4.12 (#3723)
- [AIRFLOW-3923] Update flask-admin dependency to 1.5.3 to resolve security vulnerabilities from safety (#4739)
- [AIRFLOW-3683] Fix formatting of error message for invalid TriggerRule (#4490)
- [AIRFLOW-2787] Allow is_backfill to handle NULL DagRun.run_id (#3629)
- [AIRFLOW-3780] Fix some incorrect when base_url is used (#4643)
- [AIRFLOW-3639] Fix request creation in Jenkins Operator (#4450)
- [AIRFLOW-3779] Don't install enum34 backport when not needed (#4620)
- [AIRFLOW-3079] Improve migration scripts to support MSSQL Server (#3964)
- [AIRFLOW-2735] Use equality, not identity, check for detecting AWS Batch failures[]
- [AIRFLOW-2706] AWS Batch Operator should use top-level job state to determine status
- [AIRFLOW-XXX] Fix typo in http_operator.py
- [AIRFLOW-XXX] Solve lodash security warning (#4820)
- [AIRFLOW-XXX] Pin version of tornado pulled in by Celery. (#4815)
- [AIRFLOW-XXX] Upgrade FAB to 1.12.3 (#4694)
- [AIRFLOW-XXX] Pin pinodb dependency (#4704)
- [AIRFLOW-XXX] Pin version of Pip in tests to work around pypa/pip#6163 (#4576)
- [AIRFLOW-XXX] Fix spark submit hook KeyError (#4578)
- [AIRFLOW-XXX] Pin psycpg2 due to breaking change (#5036)
- [AIRFLOW-XXX] Pin Sendgrid dep. (#5031)
- [AIRFLOW-XXX] Fix flaky test - test_execution_unlimited_parallelism (#4988)

Misc/Internal

- [AIRFLOW-4144] add description of is_delete_operator_pod (#4943)
- [AIRFLOW-3476][AIRFLOW-3477] Move Kube classes out of models.py (#4443)
- [AIRFLOW-3464] Move SkipMixin out of models.py (#4386)
- [AIRFLOW-3463] Move Log out of models.py (#4639)
- [AIRFLOW-3458] Move connection tests (#4680)
- [AIRFLOW-3461] Move TaskFail out of models.py (#4630)
- [AIRFLOW-3462] Move TaskReschedule out of models.py (#4618)
- [AIRFLOW-3474] Move SlaMiss out of models.py (#4608)
- [AIRFLOW-3475] Move ImportError out of models.py (#4383)
- [AIRFLOW-3459] Move DagPickle to separate file (#4374)
- [AIRFLOW-3925] Don't pull docker-images on pretest (#4740)
- [AIRFLOW-4154] Correct string formatting in jobs.py (#4972)
- [AIRFLOW-3458] Deprecation path for moving models.Connection
- [AIRFLOW-3458] Move models.Connection into separate file (#4335)
- [AIRFLOW-XXX] Remove old/non-test files that nose ignores (#4930)

Doc-only changes

- [AIRFLOW-3996] Add view source link to included fragments
- [AIRFLOW-3811] automatic generation of API Reference in docs (#4788)
- [AIRFLOW-3810] Remove duplicate autoclass directive (#4656)
- [AIRFLOW-XXX] Mention that statsd must be installed to gather metrics (#5038)
- [AIRFLOW-XXX] Add contents to cli (#4825)
- [AIRFLOW-XXX] fix check docs failure on CI (#4998)
- [AIRFLOW-XXX] Fix syntax docs errors (#4789)
- [AIRFLOW-XXX] Docs rendering improvement (#4684)
- [AIRFLOW-XXX] Automatically link Jira/GH on doc's changelog page (#4587)
- [AIRFLOW-XXX] Mention Oracle in the Extra Packages documentation (#4987)
- [AIRFLOW-XXX] Drop deprecated sudo option; use default docker compose on Travis. (#4732)
- [AIRFLOW-XXX] Update kubernetes.rst docs (#3875)
- [AIRFLOW-XXX] Improvements to formatted content in documentation (#4835)
- [AIRFLOW-XXX] Add Daniel to committer list (#4961)
- [AIRFLOW-XXX] Add Xiaodong Deng to committers list
- [AIRFLOW-XXX] Add history become ASF top level project (#4757)
- [AIRFLOW-XXX] Move out the examples from integration.rst (#4672)
- [AIRFLOW-XXX] Extract reverse proxy info to a separate file (#4657)
- [AIRFLOW-XXX] Reduction of the number of warnings in the documentation (#4585)
- [AIRFLOW-XXX] Fix GCS Operator docstrings (#4054)
- [AIRFLOW-XXX] Fix Docstrings in Hooks, Sensors & Operators (#4137)
- [AIRFLOW-XXX] Split guide for operators to multiple files (#4814)
- [AIRFLOW-XXX] Split connection guide to multiple files (#4824)
- [AIRFLOW-XXX] Remove almost all warnings from building docs (#4588)
- [AIRFLOW-XXX] Add backreference in docs between operator and integration (#4671)
- [AIRFLOW-XXX] Improve linking to classes (#4655)
- [AIRFLOW-XXX] Mock optional modules when building docs (#4586)
- [AIRFLOW-XXX] Update plugin macros documentation (#4971)
- [AIRFLOW-XXX] Add missing docstring for 'autodetect' in GCS to BQ Operator (#4979)
- [AIRFLOW-XXX] Add missing GCP operators to Docs (#4260)
- [AIRFLOW-XXX] Fixing the issue in Documentation (#3756)
- [AIRFLOW-XXX] Add Hint at user defined macros (#4885)
- [AIRFLOW-XXX] Correct schedule_interval in Scheduler docs (#4157)
- [AIRFLOW-XXX] Improve airflow-jira script to make RelManager's life easier (#4857)
- [AIRFLOW-XXX] Add missing class references to docs (#4644)
- [AIRFLOW-XXX] Fix typo (#4564)
- [AIRFLOW-XXX] Add a doc about fab security (#4595)
- [AIRFLOW-XXX] Speed up DagBagTest cases (#3974)
- [AIRFLOW-XXX] Reduction of the number of warnings in the documentation (#4585)

Airflow 1.10.2, 2019-01-19

New features

- [AIRFLOW-2658] Add GCP specific k8s pod operator (#3532)
- [AIRFLOW-2440] Google Cloud SQL import/export operator (#4251)
- [AIRFLOW-3212] Add AwsGlueCatalogPartitionSensor (#4112)
- [AIRFLOW-2750] Add subcommands to delete and list users
- [AIRFLOW-3480] Add GCP Spanner Database Operators (#4353)
- [AIRFLOW-3560] Add DayOfWeek Sensor (#4363)
- [AIRFLOW-3371] BigQueryHook's Ability to Create View (#4213)
- [AIRFLOW-3332] Add method to allow inserting rows into BQ table (#4179)
- [AIRFLOW-3055] add get_dataset and get_datasets_list to bigquery_hook (#3894)
- [AIRFLOW-2887] Added BigQueryCreateEmptyDatasetOperator and create_empty_dataset to bigquery_hook (#3876)
- [AIRFLOW-2758] Add a sensor for MongoDB
- [AIRFLOW-2640] Add Cassandra table sensor
- [AIRFLOW-3398] Google Cloud Spanner instance database query operator (#4314)
- [AIRFLOW-3310] Google Cloud Spanner deploy / delete operators (#4286)
- [AIRFLOW-3406] Implement an Azure CosmosDB operator (#4265)
- [AIRFLOW-3434] Allows creating intermediate dirs in SFTPOperator (#4270)
- [AIRFLOW-3345] Add Google Cloud Storage (GCS) operators for ACL (#4192)
- [AIRFLOW-3266] Add AWS Athena Hook and Operator (#4111)
- [AIRFLOW-3346] Add hook and operator for GCP transfer service (#4189)
- [AIRFLOW-2983] Add prev_ds_nodash and next_ds_nodash macro (#3821)
- [AIRFLOW-3403] Add AWS Athena Sensor (#4244)
- [AIRFLOW-3323] Support HTTP basic authentication for Airflow Flower (#4166)
- [AIRFLOW-3410] Add feature to allow Host Key Change for SSH Op (#4249)
- [AIRFLOW-3275] Add Google Cloud SQL Query operator (#4170)
- [AIRFLOW-2691] Manage JS dependencies via npm
- [AIRFLOW-2795] Oracle to Oracle Transfer Operator (#3639)
- [AIRFLOW-2596] Add Oracle to Azure Datalake Transfer Operator
- [AIRFLOW-3220] Add Instance Group Manager Operators for GCE (#4167)
- [AIRFLOW-2882] Add import and export for pool cli using JSON
- [AIRFLOW-2965] CLI tool to show the next execution datetime (#3834)
- [AIRFLOW-2874] Enables FAB's theme support (#3719)
- [AIRFLOW-3336] Add new TriggerRule for 0 upstream failures (#4182)

Improvements

- [AIRFLOW-3680] Consistency update in tests for All GCP-related operators (#4493)
- [AIRFLOW-3675] Use googleapiclient for google apis (#4484)
- [AIRFLOW-3205] Support multipart uploads to GCS (#4084)
- [AIRFLOW-2826] Add GoogleCloudKMSHook (#3677)
- [AIRFLOW-3676] Add required permission to CloudSQL export/import example (#4489)
- [AIRFLOW-3679] Added Google Cloud Base Hook to documentation (#4487)
- [AIRFLOW-3594] Unify different License Header
- [AIRFLOW-3197] Remove invalid parameter KeepJobFlowAliveWhenNoSteps in example DAG (#4404)
- [AIRFLOW-3504] Refine the functionality of "/health" endpoint (#4309)
- [AIRFLOW-3103][AIRFLOW-3147] Update flask-appbuilder (#3937)
- [AIRFLOW-3168] More resilient database use in CI (#4014)
- [AIRFLOW-3076] Remove preloading of MySQL testdata (#3911)
- [AIRFLOW-3035] Allow custom 'job_error_states' in dataproc ops (#3884)
- [AIRFLOW-3246] Make hmsclient optional in airflow.hooks.hive_hooks (#4080)
- [AIRFLOW-3059] Log how many rows are read from Postgres (#3905)
- [AIRFLOW-2463] Make task instance context available for hive queries
- [AIRFLOW-3190] Make flake8 compliant (#4035)
- [AIRFLOW-1998] Implemented DatabricksRunNowOperator for jobs/run-now ... (#3813)
- [AIRFLOW-2267] Airflow DAG level access (#3197)
- [AIRFLOW-2359] Add set failed for DagRun and task in tree view (#3255)
- [AIRFLOW-3008] Move Kubernetes example DAGs to contrib
- [AIRFLOW-3402] Support global k8s affinity and toleration configs (#4247)
- [AIRFLOW-3610] Add region param for EMR jobflow creation (#4418)
- [AIRFLOW-3531] Fix test for GCS to GCS Transfer Hook (#4452)
- [AIRFLOW-3531] Add gcs to gcs transfer operator. (#4331)
- [AIRFLOW-3034]: Readme updates : Add Slack & Twitter, remove Gitter
- [AIRFLOW-3028] Update Text & Images in Readme.md

- [AIRFLOW-208] Add badge to show supported Python versions (#3839)
- [AIRFLOW-2238] Update PR tool to push directly to GitHub
- [AIRFLOW-2238] Flake8 fixes on dev/airflow-pr
- [AIRFLOW-2238] Update PR tool to remove outdated info (#3978)
- [AIRFLOW-3005] Replace 'Airbnb Airflow' with 'Apache Airflow' (#3845)
- [AIRFLOW-3150] Make execution_date templated in TriggerDagRunOperator (#4359)
- [AIRFLOW-1196][AIRFLOW-2399] Add templated field in TriggerDagRunOperator (#4228)
- [AIRFLOW-3340] Placeholder support in connections form (#4185)
- [AIRFLOW-3446] Add Google Cloud BigTable operators (#4354)
- [AIRFLOW-1921] Add support for https and user auth (#2879)
- [AIRFLOW-2770] Read *days_in_image* config value as a boolean (#4319)
- [AIRFLOW-3022] Add volume mount to KubernetesExecutorConfig (#3855)
- [AIRFLOW-2917] Set AIRFLOW__CORE__SQL_ALCHEMY_CONN only when needed (#3766)
- [AIRFLOW-2712] Pass annotations to KubernetesExecutorConfig
- [AIRFLOW-461] Support autodetected schemas in BigQuery run_load (#3880)
- [AIRFLOW-2997] Support cluster fields in bigquery (#3838)
- [AIRFLOW-2916] Arg *verify* for AwsHook() & S3 sensors/operators (#3764)
- [AIRFLOW-491] Add feature to pass extra api configs to BQ Hook (#3733)
- [AIRFLOW-2889] Fix typos detected by github.com/client9/misspell (#3732)
- [AIRFLOW-850] Add a PythonSensor (#4349)
- [AIRFLOW-2747] Explicit re-schedule of sensors (#3596)
- [AIRFLOW-3392] Add index on dag_id in sla_miss table (#4235)
- [AIRFLOW-3001] Add index 'ti_dag_date' to taskinstance (#3885)
- [AIRFLOW-2861] Add index on log table (#3709)
- [AIRFLOW-3518] Performance fixes for topological_sort of Tasks (#4322)
- [AIRFLOW-3521] Fetch more than 50 items in *airflow-jira compare* script (#4300)
- [AIRFLOW-1919] Add option to query for DAG runs given a DAG ID
- [AIRFLOW-3444] Explicitly set transfer operator description. (#4279)
- [AIRFLOW-3411] Add OpenFaaS hook (#4267)
- [AIRFLOW-2785] Add context manager entry points to mongoHook
- [AIRFLOW-2524] Add SageMaker doc to AWS integration section (#4278)
- [AIRFLOW-3479] Keeps records in Log Table when DAG is deleted (#4287)
- [AIRFLOW-2948] Arg check & better doc - SSHOperator & SFTPOperator (#3793)
- [AIRFLOW-2245] Add remote_host of SSH/SFTP operator as templated field (#3765)
- [AIRFLOW-2670] Update SSH Operator's Hook to respect timeout (#3666)
- [AIRFLOW-3380] Add metrics documentation (#4219)
- [AIRFLOW-3361] Log the task_id in the PendingDeprecationWarning from BaseOperator (#4030)
- [AIRFLOW-3213] Create ADLS to GCS operator (#4134)
- [AIRFLOW-3395] added the REST API endpoints to the doc (#4236)
- [AIRFLOW-3294] Update connections form and integration docs (#4129)
- [AIRFLOW-3236] Create AzureDataLakeStorageListOperator (#4094)
- [AIRFLOW-3062] Add Qubole in integration docs (#3946)
- [AIRFLOW-3306] Disable flask-sqlalchemy modification tracking. (#4146)
- [AIRFLOW-2867] Refactor Code to conform standards (#3714)
- [AIRFLOW-2753] Add dataproc_job_id instance var holding actual DP jobld
- [AIRFLOW-3132] Enable specifying auto_remove option for DockerOperator (#3977)
- [AIRFLOW-2731] Raise psutil restriction to <6.0.0
- [AIRFLOW-3384] Allow higher versions of SQLAlchemy and Jinja2 (#4227)
- [Airflow-2760] Decouple DAG parsing loop from scheduler loop (#3873)
- [AIRFLOW-3004] Add config disabling scheduler cron (#3899)
- [AIRFLOW-3175] Fix docstring format in airflow/jobs.py (#4025)
- [AIRFLOW-3589] Visualize reschedule state in all views (#4408)
- [AIRFLOW-2698] Simplify Kerberos code (#3563)
- [AIRFLOW-2499] Dockerise CI pipeline (#3393)
- [AIRFLOW-3432] Add test for feature "Delete DAG in UI" (#4266)
- [AIRFLOW-3301] Update DockerOperator CI test for PR #3977 (#4138)
- [AIRFLOW-3478] Make sure that the session is closed
- [AIRFLOW-3687] Add missing @apply_defaults decorators (#4498)
- [AIRFLOW-3691] Update notice to 2019 (#4503)
- [AIRFLOW-3689] Update pop-up message when deleting DAG in RBAC UI (#4505)
- [AIRFLOW-2801] Skip test_mark_success_no_kill in PostgreSQL on CI (#3642)
- [AIRFLOW-3693] Replace pycpg2-binary by pycpg2 (#4508)
- [AIRFLOW-3700] Change the lowest allowed version of "requests" (#4517)
- [AIRFLOW-3704] Support SSL Protection When Redis is Used as Broker for CeleryExecutor (#4521)
- [AIRFLOW-3681] All GCP operators have now optional GCP Project ID (#4500)

- [Airflow 2782] Upgrades Dagre D3 version to latest possible
- [Airflow 2783] Implement eslint for JS code check (#3641)
- [AIRFLOW-2805] Display multiple timezones on UI (#3687)
- [AIRFLOW-3302] Small CSS fixes (#4140)
- [Airflow-2766] Respect shared datetime across tabs
- [AIRFLOW-2776] Compress tree view JSON
- [AIRFLOW-2407] Use feature detection for reload() (#3298)
- [AIRFLOW-3452] Removed an unused/dangerous display-none (#4295)
- [AIRFLOW-3348] Update run statistics on dag refresh (#4197)
- [AIRFLOW-3125] Monitor Task Instances creation rates (#3966)

Bug fixes

- [AIRFLOW-3191] Fix not being able to specify execution_date when creating dagrun (#4037)
- [AIRFLOW-3657] Fix zendesk integration (#4466)
- [AIRFLOW-3605] Load plugins from entry_points (#4412)
- [AIRFLOW-3646] Rename plugins_manager.py to test_xx to trigger tests (#4464)
- [AIRFLOW-3655] Escape links generated in model views (#4463)
- [AIRFLOW-3662] Add dependency for Enum (#4468)
- [AIRFLOW-3630] Cleanup of GCP Cloud SQL Connection (#4451)
- [AIRFLOW-1837] Respect task start_date when different from dag's (#4010)
- [AIRFLOW-2829] Brush up the CI script for minikube
- [AIRFLOW-3519] Fix example http operator (#4455)
- [AIRFLOW-2811] Fix scheduler_ops_metrics.py to work (#3653)
- [AIRFLOW-2751] add job properties update in hive to druid operator.
- [AIRFLOW-2918] Remove unused imports
- [AIRFLOW-2918] Fix Flake8 violations (#3931)
- [AIRFLOW-2771] Add except type to broad S3Hook try catch clauses
- [AIRFLOW-2918] Fix Flake8 violations (#3772)
- [AIRFLOW-2099] Handle getsource() calls gracefully
- [AIRFLOW-3397] Fix integrity error in rbac AirflowSecurityManager (#4305)
- [AIRFLOW-3281] Fix Kubernetes operator with git-sync (#3770)
- [AIRFLOW-2615] Limit DAGs parsing to once only
- [AIRFLOW-2952] Fix Kubernetes CI (#3922)
- [AIRFLOW-2933] Enable Codecov on Docker-CI Build (#3780)
- [AIRFLOW-2082] Resolve a bug in adding password_auth to api as auth method (#4343)
- [AIRFLOW-3612] Remove incubation/incubator mention (#4419)
- [AIRFLOW-3581] Fix next_ds/prev_ds semantics for manual runs (#4385)
- [AIRFLOW-3527] Update Cloud SQL Proxy to have shorter path for UNIX socket (#4350)
- [AIRFLOW-3316] For gcs_to_bq: add missing init of schema_fields var (#4430)
- [AIRFLOW-3583] Fix AirflowException import (#4389)
- [AIRFLOW-3578] Fix Type Error for BigQueryOperator (#4384)
- [AIRFLOW-2755] Added *kubernetes.worker_dags_folder* configuration (#3612)
- [AIRFLOW-2655] Fix inconsistency of default config of kubernetes worker
- [AIRFLOW-2645][AIRFLOW-2617] Add worker_container_image_pull_policy
- [AIRFLOW-2661] fix config dags_volume_subpath and logs_volume_subpath
- [AIRFLOW-3550] Standardize GKE hook (#4364)
- [AIRFLOW-2863] Fix GKEClusterHook catching wrong exception (#3711)
- [AIRFLOW-2939][AIRFLOW-3568] Fix TypeError in GCSToS3Op & S3ToGCSOp (#4371)
- [AIRFLOW-3327] Add support for location in BigQueryHook (#4324)
- [AIRFLOW-3438] Fix default values in BigQuery Hook & BigQueryOperator (...)
- [AIRFLOW-3355] Fix BigQueryCursor.execute to work with Python3 (#4198)
- [AIRFLOW-3447] Add 2 options for ts_nodash Macro (#4323)
- [AIRFLOW-1552] Airflow Filter_by_owner not working with password_auth (#4276)
- [AIRFLOW-3484] Fix Over-logging in the k8s executor (#4296)
- [AIRFLOW-3309] Add MongoDB connection (#4154)
- [AIRFLOW-3414] Fix reload_module in DagFileProcessorAgent (#4253)
- [AIRFLOW-1252] API accept JSON when invoking a trigger dag (#2334)
- [AIRFLOW-3425] Fix setting default scope in hook (#4261)
- [AIRFLOW-3416] Fixes Python 3 compatibility with CloudSqlQueryOperator (#4254)
- [AIRFLOW-3263] Ignore exception when 'run' kills already killed job (#4108)
- [AIRFLOW-3264] URL decoding when parsing URI for connection (#4109)
- [AIRFLOW-3365][AIRFLOW-3366] Allow celery_broker_transport_options to be set with environment variables (#4211)
- [AIRFLOW-2642] fix wrong value git-sync initcontainer env GIT_SYNC_ROOT (#3519)

- [AIRFLOW-3353] Pin redis version (#4195)
- [AIRFLOW-3251] KubernetesPodOperator now uses 'image_pull_secrets' argument when creating Pods (#4188)
- [AIRFLOW-2705] Move class-level moto decorator to method-level
- [AIRFLOW-3233] Fix deletion of DAGs in the UI (#4069)
- [AIRFLOW-2908] Allow retries with KubernetesExecutor. (#3758)
- [AIRFLOW-1561] Fix scheduler to pick up example DAGs without other DAGs (#2635)
- [AIRFLOW-3352] Fix expose_config not honoured on RBAC UI (#4194)
- [AIRFLOW-3592] Fix logs when task is in rescheduled state (#4492)
- [AIRFLOW-3634] Fix GCP Spanner Test (#4440)
- [AIRFLOW-XXX] Fix PythonVirtualenvOperator tests (#3968)
- [AIRFLOW-3239] Fix/refine tests for api/common/experimental/ (#4255)
- [AIRFLOW-2951] Update dag_run table end_date when state change (#3798)
- [AIRFLOW-2756] Fix bug in set DAG run state workflow (#3606)
- [AIRFLOW-3690] Fix bug to set state of a task for manually-triggered DAGs (#4504)
- [AIRFLOW-3319] KubernetesExecutor: Need in try_number in labels if getting them later (#4163)
- [AIRFLOW-3724] Fix the broken refresh button on Graph View in RBAC UI
- [AIRFLOW-3732] Fix issue when trying to edit connection in RBAC UI
- [AIRFLOW-2866] Fix missing CSRF token head when using RBAC UI (#3804)
- [AIRFLOW-3259] Fix internal server error when displaying charts (#4114)
- [AIRFLOW-3271] Fix issue with persistence of RBAC Permissions modified via UI (#4118)
- [AIRFLOW-3141] Handle duration View for missing dag (#3984)
- [AIRFLOW-2766] Respect shared datetime across tabs
- [AIRFLOW-1413] Fix FTPSensor failing on error message with unexpected (#2450)
- [AIRFLOW-3378] KubernetesPodOperator does not delete on timeout failure (#4218)
- [AIRFLOW-3245] Fix list processing in resolve_template_files (#4086)
- [AIRFLOW-2703] Catch transient DB exceptions from scheduler's heartbeat it does not crash (#3650)
- [AIRFLOW-1298] Clear UPSTREAM_FAILED using the clean cli (#3886)

Doc-only changes

- [AIRFLOW-XXX] GCP operators documentation clarifications (#4273)
- [AIRFLOW-XXX] Docs: Fix paths to GCS transfer operator (#4479)
- [AIRFLOW-XXX] Add missing GCP operators to Docs (#4260)
- [AIRFLOW-XXX] Fix Docstrings for Operators (#3820)
- [AIRFLOW-XXX] Fix inconsistent comment in example_python_operator.py (#4337)
- [AIRFLOW-XXX] Fix incorrect parameter in SFTPOperator example (#4344)
- [AIRFLOW-XXX] Add missing remote logging field (#4333)
- [AIRFLOW-XXX] Revise template variables documentation (#4172)
- [AIRFLOW-XXX] Fix typo in docstring of gcs_to_bq (#3833)
- [AIRFLOW-XXX] Fix display of SageMaker operators/hook docs (#4263)
- [AIRFLOW-XXX] Better instructions for airflow flower (#4214)
- [AIRFLOW-XXX] Make pip install commands consistent (#3752)
- [AIRFLOW-XXX] Add *BigQueryGetDataOperator* to Integration Docs (#4063)
- [AIRFLOW-XXX] Don't spam test logs with "bad cron expression" messages (#3973)
- [AIRFLOW-XXX] Update committer list based on latest TLP discussion (#4427)
- [AIRFLOW-XXX] Fix incorrect statement in contributing guide (#4104)
- [AIRFLOW-XXX] Fix Broken Link in CONTRIBUTING.md
- [AIRFLOW-XXX] Update Contributing Guide - Git Hooks (#4120)
- [AIRFLOW-3426] Correct Python Version Documentation Reference (#4259)
- [AIRFLOW-2663] Add instructions to install SSH dependencies
- [AIRFLOW-XXX] Clean up installation extra packages table (#3750)
- [AIRFLOW-XXX] Remove redundant space in Kerberos (#3866)
- [AIRFLOW-3086] Add extras group for google auth to setup.py (#3917)
- [AIRFLOW-XXX] Add Kubernetes Dependency in Extra Packages Doc (#4281)
- [AIRFLOW-3696] Add Version info to Airflow Documentation (#4512)
- [AIRFLOW-XXX] Correct Typo in sensor's exception (#4545)
- [AIRFLOW-XXX] Fix a typo of config (#4544)
- [AIRFLOW-XXX] Fix BashOperator Docstring (#4052)
- [AIRFLOW-3018] Fix Minor issues in Documentation
- [AIRFLOW-XXX] Fix Minor issues with Azure Cosmos Operator (#4289)
- [AIRFLOW-3382] Fix incorrect docstring in DatastoreHook (#4222)
- [AIRFLOW-XXX] Fix copy&paste mistake (#4212)
- [AIRFLOW-3260] Correct misleading BigQuery error (#4098)
- [AIRFLOW-XXX] Fix Typo in SFTPOperator docstring (#4016)

- [AIRFLOW-XXX] Fixing the issue in Documentation (#3998)
- [AIRFLOW-XXX] Fix undocumented params in S3_hook
- [AIRFLOW-XXX] Fix SlackWebhookOperator execute method comment (#3963)
- [AIRFLOW-3070] Refine web UI authentication-related docs (#3863)

Airflow 1.10.1, 2018-11-13

New features

- [AIRFLOW-2524] Airflow integration with AWS Sagemaker
- [AIRFLOW-2657] Add ability to delete DAG from web ui
- [AIRFLOW-2780] Adds IMAP Hook to interact with a mail server
- [AIRFLOW-2794] Add delete support for Azure blob
- [AIRFLOW-2912] Add operators for Google Cloud Functions
- [AIRFLOW-2974] Add Start/Restart/Terminate methods Databricks Hook
- [AIRFLOW-2989] No Parameter to change bootDiskType for DataprocClusterCreateOperator
- [AIRFLOW-3078] Basic operators for Google Compute Engine
- [AIRFLOW-3147] Update Flask-AppBuilder version
- [AIRFLOW-3231] Basic operators for Google Cloud SQL (deploy / patch / delete)
- [AIRFLOW-3276] Google Cloud SQL database create / patch / delete operators

Improvements

- [AIRFLOW-393] Add progress callbacks for FTP downloads
- [AIRFLOW-520] Show Airflow version on web page
- [AIRFLOW-843] Exceptions now available in context during on_failure_callback
- [AIRFLOW-2476] Update tabulate dependency to v0.8.2
- [AIRFLOW-2592] Bump Bleach dependency
- [AIRFLOW-2622] Add "confirm=False" option to SFTPOperator
- [AIRFLOW-2662] support affinity & nodeSelector policies for kubernetes executor/operator
- [AIRFLOW-2709] Improve error handling in Databricks hook
- [AIRFLOW-2723] Update lxml dependency to >= 4.0.
- [AIRFLOW-2763] No precheck mechanism in place during worker initialisation for the connection to metadata database
- [AIRFLOW-2789] Add ability to create single node cluster to DataprocClusterCreateOperator
- [AIRFLOW-2797] Add ability to create Google Dataproc cluster with custom image
- [AIRFLOW-2854] kubernetes_pod_operator add more configuration items
- [AIRFLOW-2855] Need to Check Validity of Cron Expression When Process DAG File/Zip File
- [AIRFLOW-2904] Clean an unnecessary line in airflow/executors/celery_executor.py
- [AIRFLOW-2921] A trivial incorrectness in CeleryExecutor()
- [AIRFLOW-2922] Potential deal-lock bug in CeleryExecutor()
- [AIRFLOW-2932] GoogleCloudStorageHook - allow compression of file
- [AIRFLOW-2949] Syntax Highlight for Single Quote
- [AIRFLOW-2951] dag_run end_date Null after a dag is finished
- [AIRFLOW-2956] Kubernetes tolerations for pod operator
- [AIRFLOW-2997] Support for clustered tables in Bigquery hooks/operators
- [AIRFLOW-3006] Fix error when schedule_interval="None"
- [AIRFLOW-3008] Move Kubernetes related example DAGs to contrib/example_dags
- [AIRFLOW-3025] Allow to specify dns and dns-search parameters for DockerOperator
- [AIRFLOW-3067] (www_rbac) Flask flash messages are not displayed properly (no background color)
- [AIRFLOW-3069] Decode output of S3 file transform operator
- [AIRFLOW-3072] Assign permission get_logs_with_metadata to viewer role
- [AIRFLOW-3090] INFO logs are too verbose
- [AIRFLOW-3103] Update Flask-Login
- [AIRFLOW-3112] Align SFTP hook with SSH hook
- [AIRFLOW-3119] Enable loglevel on celery worker and inherit from airflow.cfg
- [AIRFLOW-3137] Make ProxyFix middleware optional
- [AIRFLOW-3173] Add _cmd options for more password config options
- [AIRFLOW-3177] Change scheduler_heartbeat metric from gauge to counter
- [AIRFLOW-3193] Pin docker requirement version to v3
- [AIRFLOW-3195] Druid Hook: Log ingestion spec and task id
- [AIRFLOW-3197] EMR Hook is missing some parameters to valid on the AWS API
- [AIRFLOW-3232] Make documentation for GCF Functions operator more readable
- [AIRFLOW-3262] Can't get log containing Response when using SimpleHttpOperator

- [AIRFLOW-3265] Add support for “unix_socket” in connection extra for Mysql Hook

Doc-only changes

- [AIRFLOW-1441] Tutorial Inconsistencies Between Example Pipeline Definition and Recap
- [AIRFLOW-2682] Add how-to guide(s) for how to use basic operators like BashOperator and PythonOperator
- [AIRFLOW-3104] .airflowignore feature is not mentioned at all in documentation
- [AIRFLOW-3237] Refactor example DAGs
- [AIRFLOW-3187] Update airflow.gif file with a slower version
- [AIRFLOW-3159] Update Airflow documentation on GCP Logging
- [AIRFLOW-3030] Command Line docs incorrect subdir
- [AIRFLOW-2990] Docstrings for Hooks/Operators are in incorrect format
- [AIRFLOW-3127] Celery SSL Documentation is out-dated
- [AIRFLOW-2779] Add license headers to doc files
- [AIRFLOW-2779] Add project version to license

Bug fixes

- [AIRFLOW-839] docker_operator.py attempts to log status key without first checking existence
- [AIRFLOW-1104] Concurrency check in scheduler should count queued tasks as well as running
- [AIRFLOW-1163] Add support for x-forwarded-* headers to support access behind AWS ELB
- [AIRFLOW-1195] Cleared tasks in SubDagOperator do not trigger Parent dag_runs
- [AIRFLOW-1508] Skipped state not part of State.task_states
- [AIRFLOW-1762] Use key_file in SSHHook.create_tunnel()
- [AIRFLOW-1837] Differing start_dates on tasks not respected by scheduler.
- [AIRFLOW-1874] Support standard SQL in Check, ValueCheck and IntervalCheck BigQuery operators
- [AIRFLOW-1917] print() from python operators end up with extra new line
- [AIRFLOW-1970] Database cannot be initialized if an invalid fernet key is provided
- [AIRFLOW-2145] Deadlock after clearing a running task
- [AIRFLOW-2216] Cannot specify a profile for AWS Hook to load with s3 config file
- [AIRFLOW-2574] initdb fails when mysql password contains percent sign
- [AIRFLOW-2707] Error accessing log files from web UI
- [AIRFLOW-2716] Replace new Python 3.7 keywords
- [AIRFLOW-2744] RBAC app doesn't integrate plugins (blueprints etc)
- [AIRFLOW-2772] BigQuery hook does not allow specifying both the partition field name and table name at the same time
- [AIRFLOW-2778] Bad Import in collect_dag in DagBag
- [AIRFLOW-2786] Variables view fails to render if a variable has an empty key
- [AIRFLOW-2799] Filtering UI objects by datetime is broken
- [AIRFLOW-2800] Remove airflow/ low-hanging linting errors
- [AIRFLOW-2825] S3ToHiveTransfer operator may not may able to handle GZIP file with uppercase ext in S3
- [AIRFLOW-2848] dag_id is missing in metadata table “job” for LocalTaskJob
- [AIRFLOW-2860] DruidHook: time variable is not updated correctly when checking for timeout
- [AIRFLOW-2865] Race condition between on_success_callback and LocalTaskJob's cleanup
- [AIRFLOW-2893] Stuck dataflow job due to jobName mismatch.
- [AIRFLOW-2895] Prevent scheduler from spamming heartbeats/logs
- [AIRFLOW-2900] Code not visible for Packaged DAGs
- [AIRFLOW-2905] Switch to regional dataflow job service.
- [AIRFLOW-2907] Sendgrid - Attachments - ERROR - Object of type 'bytes' is not JSON serializable
- [AIRFLOW-2938] Invalid 'extra' field in connection can raise an AttributeError when attempting to edit
- [AIRFLOW-2979] Deprecated Celery Option not in Options list
- [AIRFLOW-2981] TypeError in dataflow operators when using GCS jar or py_file
- [AIRFLOW-2984] Cannot convert naive_datetime when task has a naive start_date/end_date
- [AIRFLOW-2994] flatten_results in BigQueryOperator/BigQueryHook should default to None
- [AIRFLOW-3002] ValueError in dataflow operators when using GCS jar or py_file
- [AIRFLOW-3012] Email on sla miss is send only to first address on the list
- [AIRFLOW-3046] ECS Operator mistakenly reports success when task is killed due to EC2 host termination
- [AIRFLOW-3064] No output from *airflow test* due to default logging config
- [AIRFLOW-3072] Only admin can view logs in RBAC UI
- [AIRFLOW-3079] Improve initdb to support MSSQL Server
- [AIRFLOW-3089] Google auth doesn't work under http
- [AIRFLOW-3099] Errors raised when some blocs are missing in airflow.cfg
- [AIRFLOW-3109] Default user permission should contain 'can_clear'
- [AIRFLOW-3111] Confusing comments and instructions for log templates in UPDATING.md and default_airflow.cfg
- [AIRFLOW-3124] Broken webserver debug mode (RBAC)

- [AIRFLOW-3136] Scheduler Failing the Task retries run while processing Executor Events
- [AIRFLOW-3138] Migration cc1e65623dc7 creates issues with postgres
- [AIRFLOW-3161] Log Url link does not link to task instance logs in RBAC UI
- [AIRFLOW-3162] HttpHook fails to parse URL when port is specified
- [AIRFLOW-3183] Potential Bug in utils/dag_processing/DagFileProcessorManager.max_runs_reached()
- [AIRFLOW-3203] Bugs in DockerOperator & Some operator test scripts were named incorrectly
- [AIRFLOW-3238] Dags, removed from the filesystem, are not deactivated on initdb
- [AIRFLOW-3268] Cannot pass SSL dictionary to mysql connection via URL
- [AIRFLOW-3277] Invalid timezone transition handling for cron schedules
- [AIRFLOW-3295] Require encryption in DaskExecutor when certificates are configured.
- [AIRFLOW-3297] EmrStepSensor marks cancelled step as successful

Airflow 1.10.0, 2018-08-03

- [AIRFLOW-2870] Use abstract TaskInstance for migration
- [AIRFLOW-2859] Implement own UtcDateTime (#3708)
- [AIRFLOW-2140] Don't require kubernetes for the SparkSubmit hook
- [AIRFLOW-2869] Remove smart quote from default config
- [AIRFLOW-2857] Fix Read the Docs env
- [AIRFLOW-2817] Force explicit choice on GPL dependency
- [AIRFLOW-2716] Replace async and await py3.7 keywords
- [AIRFLOW-2810] Fix typo in Xcom model timestamp
- [AIRFLOW-2710] Clarify fernet key value in documentation
- [AIRFLOW-2606] Fix DB schema and SQLAlchemy model
- [AIRFLOW-2646] Fix setup.py not to install snakebite on Python3
- [AIRFLOW-2604] Add index to task_fail
- [AIRFLOW-2650] Mark SchedulerJob as succeed when hitting Ctrl-c
- [AIRFLOW-2678] Fix db schema unit test to remove checking fab models
- [AIRFLOW-2624] Fix webserver login as anonymous
- [AIRFLOW-2654] Fix incorrect URL on refresh in Graph View of FAB UI
- [AIRFLOW-2668] Handle missing optional cryptography dependency
- [AIRFLOW-2681] Include last dag run of externally triggered DAGs in UI.
- [AIRFLOW-1840] Support back-compat on old celery config
- [AIRFLOW-2612][AIRFLOW-2534] Clean up Hive-related tests
- [AIRFLOW-2608] Implements/Standardize custom exceptions for experimental APIs
- [AIRFLOW-2607] Fix failing TestLocalClient
- [AIRFLOW-2638] dbapi_hook: support REPLACE INTO
- [AIRFLOW-2542][AIRFLOW-1790] Rename AWS Batch Operator queue to job_queue
- [AIRFLOW-2567] Extract result from the kubernetes pod as Xcom
- [AIRFLOW-XXX] Adding REA Group to readme
- [AIRFLOW-2601] Allow user to specify k8s config
- [AIRFLOW-2559] Azure Fileshare hook
- [AIRFLOW-1786] Enforce correct behavior for soft-fail sensors
- [AIRFLOW-2355] Airflow trigger tag parameters in subdag
- [AIRFLOW-2613] Fix Airflow searching .zip bug
- [AIRFLOW-2627] Add a sensor for Cassandra
- [AIRFLOW-2634][AIRFLOW-2534] Remove dependency for impyla
- [AIRFLOW-2611] Fix wrong dag volume mount path for kubernetes executor
- [AIRFLOW-2562] Add Google Kubernetes Engine Operators
- [AIRFLOW-2630] Fix classname in test_sql_sensor.py
- [AIRFLOW-2534] Fix bug in HiveServer2Hook
- [AIRFLOW-2586] Stop getting AIRFLOW_HOME value from config file in bash operator
- [AIRFLOW-2605] Fix autocommit for MySqlHook
- [AIRFLOW-2539][AIRFLOW-2359] Move remaining log config to configuration file
- [AIRFLOW-1656] Tree view dags query changed
- [AIRFLOW-2617] add imagePullPolicy config for kubernetes executor
- [AIRFLOW-2429] Fix security/task/sensors/ti_deps folders flake8 error
- [AIRFLOW-2550] Implements API endpoint to list DAG runs
- [AIRFLOW-2512][AIRFLOW-2522] Use google-auth instead of oauth2client
- [AIRFLOW-2429] Fix operators folder flake8 error
- [AIRFLOW-2585] Fix several bugs in CassandraHook and CassandraToGCSSOperator
- [AIRFLOW-2597] Restore original dbapi.run() behavior
- [AIRFLOW-2590] Fix commit in DbApiHook.run() for no-autocommit DB
- [AIRFLOW-1115] fix github oauth api URL

- [AIRFLOW-2587] Add TIMESTAMP type mapping to MySqlToHiveTransfer
- [AIRFLOW-2591][AIRFLOW-2581] Set default value of autocommit to False in DbApiHook.run()
- [AIRFLOW-59] Implement bulk_dump and bulk_load for the Postgres hook
- [AIRFLOW-2533] Fix path to DAG's on kubernetes executor workers
- [AIRFLOW-2581] [AIRFLOW-2581] Fix DbApiHook autocommit
- [AIRFLOW-2578] Add option to use proxies in JiraHook
- [AIRFLOW-2575] Make gcs to gcs operator work with large files
- [AIRFLOW-437] Send TI context in kill zombies
- [AIRFLOW-2566] Change backfill to rerun failed tasks
- [AIRFLOW-1021] Fix double login for new users with LDAP
- [AIRFLOW-XXX] Typo fix
- [AIRFLOW-2561] Fix typo in EmailOperator
- [AIRFLOW-2573] Cast BigQuery TIMESTAMP field to float
- [AIRFLOW-2560] Adding support for internalOnly to DataprocClusterCreateOperator
- [AIRFLOW-2565] templatize cluster_label
- [AIRFLOW-83] add mongo hook and operator
- [AIRFLOW-2558] Clear task/dag is clearing all executions
- [AIRFLOW-XXX] Fix doc typos
- [AIRFLOW-2513] Change *bql* to *sql* for BigQuery Hooks & Ops
- [AIRFLOW-2557] Fix pagination for s3
- [AIRFLOW-2545] Eliminate DeprecationWarning
- [AIRFLOW-2500] Fix MySqlToHiveTransfer to transfer unsigned type properly
- [AIRFLOW-2462] Change PasswordUser setter to correct syntax
- [AIRFLOW-2525] Fix a bug introduced by commit dabf1b9
- [AIRFLOW-2553] Add webserver.pid to .gitignore
- [AIRFLOW-1863][AIRFLOW-2529] Add dag run selection widgets to gantt view
- [AIRFLOW-2504] Log username correctly and add extra to search columns
- [AIRFLOW-2551] Encode binary data with base64 standard rather than base64 url
- [AIRFLOW-2537] Add reset-dagrun option to backfill command
- [AIRFLOW-2526] dag_run.conf can override params
- [AIRFLOW-2544][AIRFLOW-1967] Guard against next major release of Celery, Flower
- [AIRFLOW-XXX] Add Yieldr to who is using airflow
- [AIRFLOW-2547] Describe how to run tests using Docker
- [AIRFLOW-2538] Update faq doc on how to reduce airflow scheduler latency
- [AIRFLOW-2529] Improve graph view performance and usability
- [AIRFLOW-2517] backfill support passing key values through CLI
- [AIRFLOW-2532] Support logs_volume_subpath for KubernetesExecutor
- [AIRFLOW-2466] consider task_id in _change_state_for_tis_without_dagrun
- [AIRFLOW-2519] Fix CeleryExecutor with SQLAlchemy
- [AIRFLOW-2402] Fix RBAC task log
- [AIRFLOW-XXX] Add M4U to user list
- [AIRFLOW-2536] docs about how to deal with airflow initdb failure
- [AIRFLOW-2530] KubernetesOperator supports multiple clusters
- [AIRFLOW-1499] Eliminate duplicate and unneeded code
- [AIRFLOW-2521] backfill - make variable name and logging messages more accurate
- [AIRFLOW-2429] Fix hook, macros folder flake8 error
- [Airflow-XXX] add Prime to company list
- [AIRFLOW-2525] Fix PostgresHook.copy_expert to work with "COPY FROM"
- [AIRFLOW-2515] Add dependency on thrift_sasl to hive extra
- [AIRFLOW-2523] Add how-to for managing GCP connections
- [AIRFLOW-2510] Introduce new macros: prev_ds and next_ds
- [AIRFLOW-1730] Unpickle value of XCom queried from DB
- [AIRFLOW-2518] Fix broken ToC links in integration.rst
- [AIRFLOW-1472] Fix SLA misses triggering on skipped tasks.
- [AIRFLOW-2520] CLI - make backfill less verbose
- [AIRFLOW-2107] add time_partitioning to run_query on BigQueryBaseCursor
- [AIRFLOW-1057][AIRFLOW-1380][AIRFLOW-2362][2362] AIRFLOW Update DockerOperator to new API
- [AIRFLOW-2415] Make airflow DAG templating render numbers
- [AIRFLOW-2473] Fix wrong skip condition for TransferTests
- [AIRFLOW-2472] Implement MySqlHook.bulk_dump
- [AIRFLOW-2419] Use default view for subdag operator
- [AIRFLOW-2498] Fix Unexpected argument in SFTP Sensor
- [AIRFLOW-2509] Separate config docs into how-to guides
- [AIRFLOW-2429] Add BaseExecutor back
- [AIRFLOW-2429] Fix dag, example_dags, executors flake8 error

- [AIRFLOW-2502] Change Single triple quotes to double for docstrings
- [AIRFLOW-2503] Fix broken links in CONTRIBUTING.md
- [AIRFLOW-2501] Refer to devel instructions in docs contrib guide
- [AIRFLOW-2429] Fix contrib folder's flake8 errors
- [AIRFLOW-2471] Fix HiveCliHook.load_df to use unused parameters
- [AIRFLOW-2495] Update celery to 4.1.1
- [AIRFLOW-2429] Fix api, bin, config_templates folders flake8 error
- [AIRFLOW-2493] Mark template_fields of all Operators in the API document as "templated"
- [AIRFLOW-2489] Update FlaskAppBuilder to 1.11.1
- [AIRFLOW-2448] Enhance HiveCliHook.load_df to work with datetime
- [AIRFLOW-2487] Enhance druid ingestion hook
- [AIRFLOW-2397] Support affinity policies for Kubernetes executor/operator
- [AIRFLOW-2482] Add test for rewrite method in GCS Hook
- [AIRFLOW-2481] Fix flaky Kubernetes test
- [AIRFLOW-2479] Improve doc FAQ section
- [AIRFLOW-2485] Fix Incorrect logging for Qubole Sensor
- [AIRFLOW-2486] Remove unnecessary slash after port
- [AIRFLOW-2429] Make Airflow flake8 compliant
- [AIRFLOW-2491] Resolve flask version conflict
- [AIRFLOW-2484] Remove duplicate key in MySQL to GCS Op
- [AIRFLOW-2458] Add cassandra-to-gcs operator
- [AIRFLOW-2477] Improve time units for task duration and landing times charts for RBAC UI
- [AIRFLOW-2474] Only import snakebite if using py2
- [AIRFLOW-48] Parse connection uri querystring
- [AIRFLOW-2467][AIRFLOW-2] Update import direct warn message to use the module name
- [AIRFLOW-XXX] Fix order of companies
- [AIRFLOW-2452] Document field_dict must be OrderedDict
- [AIRFLOW-2420] Azure Data Lake Hook
- [AIRFLOW-2213] Add Qubole check operator
- [AIRFLOW-2465] Fix wrong module names in the doc
- [AIRFLOW-1929] Modifying TriggerDagRunOperator to accept execution_date
- [AIRFLOW-2460] Users can now use volume mounts and volumes
- [AIRFLOW-2110][AIRFLOW-2122] Enhance Http Hook
- [AIRFLOW-XXX] Updated contributors list
- [AIRFLOW-2435] Add launch_type to ECSOperator to allow FARGATE
- [AIRFLOW-2451] Remove extra slash (') char when using wildcard in gcs_to_gcs operator
- [AIRFLOW-2461] Add support for cluster scaling on dataproc operator
- [AIRFLOW-2376] Fix no hive section error
- [AIRFLOW-2425] Add lineage support
- [AIRFLOW-2430] Extend query batching to additional slow queries
- [AIRFLOW-2453] Add default nil value for kubernetes/git_subpath
- [AIRFLOW-2396] Add support for resources in kubernetes operator
- [AIRFLOW-2169] Encode binary data with base64 before importing to BigQuery
- [AIRFLOW-XXX] Add spotahome in user list
- [AIRFLOW-2457] Update FAB version requirement
- [AIRFLOW-2454][Airflow 2454] Support imagePullPolicy for k8s
- [AIRFLOW-2450] update supported k8s versions to 1.9 and 1.10
- [AIRFLOW-2333] Add Segment Hook and TrackEventOperator
- [AIRFLOW-2442][AIRFLOW-2] Airflow run command leaves database connections open
- [AIRFLOW-2016] assign template_fields for Dataproc Workflow Template sub-classes, not base class
- [AIRFLOW-2446] Add S3ToRedshiftTransfer into the "Integration" doc
- [AIRFLOW-2449] Fix operators.py to run all test cases
- [AIRFLOW-2424] Add dagrun status endpoint and increased k8s test coverage
- [AIRFLOW-2441] Fix bugs in HiveCliHook.load_df
- [AIRFLOW-2358][AIRFLOW-201804] Make the Kubernetes example optional
- [AIRFLOW-2436] Remove cli_logger in initdb
- [AIRFLOW-2444] Remove unused option(include_adhoc) in cli backfill command
- [AIRFLOW-2447] Fix TestHiveMetastoreHook to run all cases
- [AIRFLOW-2445] Allow templating in kubernetes operator
- [AIRFLOW-2086][AIRFLOW-2393] Customize default dagrun number in tree view
- [AIRFLOW-2437] Add PubNub to list of current airflow users
- [AIRFLOW-XXX] Add Quantopian to list of Airflow users
- [AIRFLOW-1978] Add WinRM windows operator and hook
- [AIRFLOW-2427] Add tests to named hive sensor

- [AIRFLOW-2412] Fix HiveCliHook.load_file to address HIVE-10541
- [AIRFLOW-2431] Add the navigation bar color parameter for RBAC UI
- [AIRFLOW-2407] Resolve Python undefined names
- [AIRFLOW-1952] Add the navigation bar color parameter
- [AIRFLOW-2222] Implement GoogleCloudStorageHook.rewrite
- [AIRFLOW-2426] Add Google Cloud Storage Hook tests
- [AIRFLOW-2418] Bump Flask-WTF
- [AIRFLOW-2417] Wait for pod is not running to end task
- [AIRFLOW-1914] Add other charset support to email utils
- [AIRFLOW-XXX] Update README.md with [Craig@Work](#)
- [AIRFLOW-1899] Fix Kubernetes tests
- [AIRFLOW-1812] Update logging example
- [AIRFLOW-2313] Add TTL parameters for Dataproc
- [AIRFLOW-2411] add dataproc_jars to templated_fields
- [AIRFLOW-XXX] Add Reddit to Airflow users
- [AIRFLOW-XXX] Fix wrong table header in scheduler.rst
- [AIRFLOW-2409] Supply password as a parameter
- [AIRFLOW-2410][AIRFLOW-75] Set the timezone in the RBAC Web UI
- [AIRFLOW-2394] default cmds and arguments in kubernetes operator
- [AIRFLOW-2406] Add Apache2 License Shield to Readme
- [AIRFLOW-2404] Add additional documentation for unqueued task
- [AIRFLOW-2400] Add Ability to set Environment Variables for K8s
- [AIRFLOW-XXX] Add Twine Labs as an Airflow user
- [AIRFLOW-1853] Show only the desired number of runs in tree view
- [AIRFLOW-2401] Document the use of variables in Jinja template
- [AIRFLOW-2403] Fix License Headers
- [AIRFLOW-1313] Fix license header
- [AIRFLOW-2398] Add BounceX to list of current airflow users
- [AIRFLOW-2363] Fix return type bug in TaskHandler
- [AIRFLOW-2389] Create a pinot db api hook
- [AIRFLOW-2390] Resolve FlaskWTFDeprecationWarning
- [AIRFLOW-1933] Fix some typos
- [AIRFLOW-1960] Add support for secrets in kubernetes operator
- [AIRFLOW-1313] Add vertica_to_mysql operator
- [AIRFLOW-1575] Add AWS Kinesis Firehose Hook for inserting batch records
- [AIRFLOW-2266][AIRFLOW-2343] Remove google-cloud-dataflow dependency
- [AIRFLOW-2370] Implement --use_random_password in create_user
- [AIRFLOW-2348] Strip path prefix from the destination_object when source_object contains a wildcard[]
- [AIRFLOW-2391] Fix to Flask 0.12.2
- [AIRFLOW-2381] Fix the flaky ApiPasswordTests test
- [AIRFLOW-2378] Add Groupon to list of current users
- [AIRFLOW-2382] Fix wrong description for delimiter
- [AIRFLOW-2380] Add support for environment variables in Spark submit operator.
- [AIRFLOW-2377] Improve Sendgrid sender support
- [AIRFLOW-2331] Support init action timeout on dataproc cluster create
- [AIRFLOW-1835] Update docs: Variable file is json
- [AIRFLOW-1781] Make search case-insensitive in LDAP group
- [AIRFLOW-2042] Fix browser menu appearing over the autocomplete menu
- [AIRFLOW-XXX] Remove wheelhouse files from travis not owned by travis
- [AIRFLOW-2336] Use hmsclient in hive_hook
- [AIRFLOW-2041] Correct Syntax in python examples
- [AIRFLOW-74] SubdagOperators can consume all celeryd worker processes
- [AIRFLOW-2369] Fix gcs tests
- [AIRFLOW-2365] Fix autocommit attribute check
- [AIRFLOW-2068] MesosExecutor allows optional Docker image
- [AIRFLOW-1652] Push DatabricksRunSubmitOperator metadata into XCOM
- [AIRFLOW-2234] Enable insert_rows for PrestoHook
- [AIRFLOW-2208][Airflow-22208] Link to same DagRun graph from TaskInstance view
- [AIRFLOW-1153] Allow HiveOperators to take hiveconfs
- [AIRFLOW-775] Fix autocommit settings with Jdbc hook
- [AIRFLOW-2364] Warn when setting autocommit on a connection which does not support it
- [AIRFLOW-2357] Add persistent volume for the logs
- [AIRFLOW-766] Skip conn.commit() when in Auto-commit
- [AIRFLOW-2351] Check for valid default_args start_date
- [AIRFLOW-1433] Set default rbac to initdb

- [AIRFLOW-2270] Handle removed tasks in backfill
- [AIRFLOW-2344] Fix *connections -l* to work with pipe/redirect
- [AIRFLOW-2300] Add S3 Select functionality to S3ToHiveTransfer
- [AIRFLOW-1314] Cleanup the config
- [AIRFLOW-1314] Polish some of the Kubernetes docs/config
- [AIRFLOW-1314] Improve error handling
- [AIRFLOW-1999] Add per-task GCP service account support
- [AIRFLOW-1314] Rebasing against master
- [AIRFLOW-1314] Small cleanup to address PR comments (#24)
- [AIRFLOW-1314] Add executor_config and tests
- [AIRFLOW-1314] Improve k8s support
- [AIRFLOW-1314] Use VolumeClaim for transporting DAGs
- [AIRFLOW-1314] Create integration testing environment
- [AIRFLOW-1314] Git Mode to pull in DAGs for Kubernetes Executor
- [AIRFLOW-1314] Add support for volume mounts & Secrets in Kubernetes Executor
- [AIRFLOW-1314] Basic Kubernetes Mode
- [AIRFLOW-2326][AIRFLOW-2222] remove contrib.gcs_copy_operator
- [AIRFLOW-2328] Fix empty GCS blob in S3ToGoogleCloudStorageOperator
- [AIRFLOW-2350] Fix grammar in UPDATING.md
- [AIRFLOW-2302] Fix documentation
- [AIRFLOW-2345] pip is not used in this setup.py
- [AIRFLOW-2347] Add Banco de Formaturas to Readme
- [AIRFLOW-2346] Add Investorise as official user of Airflow
- [AIRFLOW-2330] Do not append destination prefix if not given
- [AIRFLOW-2240][DASK] Added TLS/SSL support for the dask-distributed scheduler.
- [AIRFLOW-2309] Fix duration calculation on TaskFail
- [AIRFLOW-2335] fix issue with jdk8 download for ci
- [AIRFLOW-2184] Add druid_checker_operator
- [AIRFLOW-2299] Add S3 Select functionality to S3FileTransformOperator
- [AIRFLOW-2254] Put header as first row in unload
- [AIRFLOW-610] Respect _cmd option in config before defaults
- [AIRFLOW-2287] Fix incorrect ASF headers
- [AIRFLOW-XXX] Add Zego as an Apache Airflow user
- [AIRFLOW-952] fix save empty extra field in UI
- [AIRFLOW-1325] Add ElasticSearch log handler and reader
- [AIRFLOW-2301] Sync files of an S3 key with a GCS path
- [AIRFLOW-2293] Fix S3FileTransformOperator to work with boto3
- [AIRFLOW-3212][AIRFLOW-2314] Remove only leading slash in GCS path
- [AIRFLOW-1509][AIRFLOW-442] SFTP Sensor
- [AIRFLOW-2291] Add optional params to ML Engine
- [AIRFLOW-1774] Allow consistent templating of arguments in MLEngineBatchPredictionOperator
- [AIRFLOW-2302] Add missing operators and hooks
- [AIRFLOW-2312] Docs Typo Correction: Corresponding
- [AIRFLOW-1623] Trigger on_kill method in operators
- [AIRFLOW-2162] When impersonating another user, pass env variables to sudo
- [AIRFLOW-2304] Update quickstart doc to mention scheduler part
- [AIRFLOW-1633] docker_operator needs a way to set shm_size
- [AIRFLOW-1340] Add S3 to Redshift transfer operator
- [AIRFLOW-2303] Lists the keys inside an S3 bucket
- [AIRFLOW-2209] restore flask_login imports
- [AIRFLOW-2306] Add Bonnier Broadcasting to list of current users
- [AIRFLOW-2305][AIRFLOW-2027] Fix CI failure caused by []
- [AIRFLOW-2281] Add support for Sendgrid categories
- [AIRFLOW-2027] Only trigger sleep in scheduler after all files have parsed
- [AIRFLOW-2256] SparkOperator: Add Client Standalone mode and retry mechanism
- [AIRFLOW-2284] GCS to S3 operator
- [AIRFLOW-2287] Update license notices
- [AIRFLOW-2296] Add Cinimex DataLab to Readme
- [AIRFLOW-2298] Add Kalibr to who uses airflow
- [AIRFLOW-2292] Fix docstring for S3Hook.get_wildcard_key
- [AIRFLOW-XXX] Update PR template
- [AIRFLOW-XXX] Remove outdated migrations.sql
- [AIRFLOW-2287] Add license header to docs/Makefile
- [AIRFLOW-2286] Add tokopedia to the readme

- [AIRFLOW-2273] Add Discord webhook operator/hook
- [AIRFLOW-2282] Fix grammar in UPDATING.md
- [AIRFLOW-2200] Add snowflake operator with tests
- [AIRFLOW-2178] Add handling on SLA miss errors
- [AIRFLOW-2169] Fix type 'bytes' is not JSON serializable in python3
- [AIRFLOW-2215] Pass environment to subprocess.Popen in base_task_runner
- [AIRFLOW-2253] Add Airflow CLI instrumentation
- [AIRFLOW-2274] Fix Dataflow tests
- [AIRFLOW-2269] Add Custom Ink as an Airflow user
- [AIRFLOW-2259] Dataflow Hook Index out of range
- [AIRFLOW-2233] Update updating.md to include the info of hdfs_sensors renaming
- [AIRFLOW-2217] Add Slack webhook operator
- [AIRFLOW-1729] improve dagBag time
- [AIRFLOW-2264] Improve create_user cli help message
- [AIRFLOW-2260] [AIRFLOW-2260] SSHOperator add command template .sh files
- [AIRFLOW-2261] Check config/env for remote base log folder
- [AIRFLOW-2258] Allow import of Parquet-format files into BigQuery
- [AIRFLOW-1430] Include INSTALL instructions to avoid GPL
- [AIRFLOW-1430] Solve GPL dependency
- [AIRFLOW-2251] Add Thinknear as an Airflow user
- [AIRFLOW-2244] bugfix: remove legacy LongText code from models.py
- [AIRFLOW-2247] Fix RedshiftToS3Transfer not to fail with ValueError
- [AIRFLOW-2249] Add side-loading support for Zendesk Hook
- [AIRFLOW-XXX] Add Qplum to Airflow users
- [AIRFLOW-2228] Enhancements in ValueCheckOperator
- [AIRFLOW-1206] Typos
- [AIRFLOW-2060] Update pendulum version to 1.4.4
- [AIRFLOW-2248] Fix wrong param name in RedshiftToS3Transfer doc
- [AIRFLOW-1433][AIRFLOW-85] New Airflow Webserver UI with RBAC support
- [AIRFLOW-1235] Fix webserver's odd behaviour
- [AIRFLOW-1460] Allow restoration of REMOVED TI's
- [airflow-2235] Fix wrong docstrings in two operators
- [AIRFLOW-XXX] Fix chronological order for companies using Airflow
- [AIRFLOW-2124] Upload Python file to a bucket for Dataproc
- [AIRFLOW-2212] Fix ungenerated sensor API reference
- [AIRFLOW-2226] Rename google_cloud_storage_default to google_cloud_default
- [AIRFLOW-2211] Rename hdfs_sensors.py to hdfs_sensor.py for consistency
- [AIRFLOW-2225] Update document to include DruidDbApiHook
- [Airflow-2202] Add filter support in HiveMetastoreHook().max_partition()
- [AIRFLOW-2220] Remove duplicate numeric list entry in security.rst
- [AIRFLOW-XXX] Update tutorial documentation
- [AIRFLOW-2215] Update celery task to preserve environment variables and improve logging on exception
- [AIRFLOW-2185] Use state instead of query param
- [AIRFLOW-2183] Refactor DruidHook to enable sql
- [AIRFLOW-2203] Defer cycle detection
- [AIRFLOW-2203] Remove Useless Commands.
- [AIRFLOW-2203] Cache signature in apply_defaults
- [AIRFLOW-2203] Speed up Operator Resources
- [AIRFLOW-2203] Cache static rules (trigger/weight)
- [AIRFLOW-2203] Store task ids as sets not lists
- [AIRFLOW-2205] Remove unsupported args from JdbcHook doc
- [AIRFLOW-2207] Fix flaky test that uses app.cached_app()
- [AIRFLOW-2206] Remove unsupported args from JdbcOperator doc
- [AIRFLOW-2140] Add Kubernetes scheduler to SparkSubmitOperator
- [AIRFLOW-XXX] Add Xero to list of users
- [AIRFLOW-2204] Fix webserver debug mode
- [AIRFLOW-102] Fix test_complex_template always succeeds
- [AIRFLOW-442] Add SFTPHook
- [AIRFLOW-2169] Add schema to MySqlToGoogleCloudStorageOperator
- [AIRFLOW-2184][AIRFLOW-2138] Google Cloud Storage allow wildcards
- [AIRFLOW-1588] Cast Variable value to string
- [AIRFLOW-2199] Fix invalid reference to logger
- [AIRFLOW-2191] Change scheduler heartbeat logs from info to debug
- [AIRFLOW-2106] Salesforce hook sandbox option
- [AIRFLOW-2197] Silence hostname_callable config error message

- [AIRFLOW-2150] Use lighter call in HiveMetastoreHook().max_partition()
- [AIRFLOW-2186] Change the way logging is carried out in few ops
- [AIRFLOW-2181] Convert password_auth and test_password_endpoints from DOS to UNIX
- [AIRFLOW-2187] Fix Broken Travis CI due to AIRFLOW-2123
- [AIRFLOW-2175] Check that filepath is not None
- [AIRFLOW-2173] Don't check task IDs for concurrency reached check
- [AIRFLOW-2168] Remote logging for Azure Blob Storage
- [AIRFLOW-XXX] Add DocuTAP to list of users
- [AIRFLOW-2176] Change the way logging is carried out in BQ Get Data Operator
- [AIRFLOW-2177] Add mock test for GCS Download op
- [AIRFLOW-2123] Install CI dependencies from setup.py
- [AIRFLOW-2129] Presto hook calls _parse_exception_message but defines _get_pretty_exception_message
- [AIRFLOW-2174] Fix typos and wrongly rendered documents
- [AIRFLOW-2171] Store delegated credentials
- [AIRFLOW-2166] Restore BQ run_query dialect param
- [AIRFLOW-2163] Add HBC Digital to users of airflow
- [AIRFLOW-2065] Fix race-conditions when creating loggers
- [AIRFLOW-2147] Plugin manager: added 'sensors' attribute
- [AIRFLOW-2059] taskinstance query is awful, un-indexed, and does not scale
- [AIRFLOW-2159] Fix a few typos in salesforce_hook
- [AIRFLOW-2132] Add step to initialize database
- [AIRFLOW-2160] Fix bad rowid deserialization
- [AIRFLOW-2161] Add Vevo to list of companies using Airflow
- [AIRFLOW-2149] Add link to apache Beam documentation to create self executing Jar
- [AIRFLOW-2151] Allow getting the session from AwsHook
- [AIRFLOW-2097] tz referenced before assignment
- [AIRFLOW-2152] Add Multiply to list of companies using Airflow
- [AIRFLOW-1551] Add operator to trigger Jenkins job
- [AIRFLOW-2034] Fix mixup between %s and {} when using str.format Convention is to use .format for string formatting outside logging, else use lazy format See comment in related issue <https://github.com/apache/airflow/pull/2823/files> Identified problematic case using following command line `.git/COMMIT_EDITMSG:grep -r '%s'/* | grep '.format'`
- [AIRFLOW-2102] Add custom_args to Sendgrid personalizations
- [AIRFLOW-1035][AIRFLOW-1053] import unicode_literals to parse Unicode in HQL
- [AIRFLOW-2127] Keep loggers during DB migrations
- [AIRFLOW-2146] Resolve issues with BQ using DbApiHook methods
- [AIRFLOW-2087] Scheduler Report shows incorrect Total task number
- [AIRFLOW-2139] Remove unnecessary boilerplate to get DataFrame using pandas_gbq
- [AIRFLOW-2125] Using binary package pycpg2-binary
- [AIRFLOW-2142] Include message on mkdir failure
- [AIRFLOW-1615] SSHHook: use port specified by Connection
- [AIRFLOW-2122] Handle boolean values in sshHook
- [AIRFLOW-XXX] Add Tile to the list of users
- [AIRFLOW-2130] Add missing Operators to API Reference docs
- [AIRFLOW-XXX] Add timeout units (seconds)
- [AIRFLOW-2134] Add Alan to the list of companies that use Airflow
- [AIRFLOW-2133] Remove references to GitHub issues in CONTRIBUTING
- [AIRFLOW-2131] Remove confusing AirflowImport docs
- [AIRFLOW-1852] Allow hostname to be overridable.
- [AIRFLOW-2126] Add Bluecore to active users
- [AIRFLOW-1618] Add feature to create GCS bucket
- [AIRFLOW-2108] Fix log indentation in BashOperator
- [AIRFLOW-2115] Fix doc links to PythonHosted
- [AIRFLOW-XXX] Add contributor from Easy company
- [AIRFLOW-1882] Add ignoreUnknownValues option to gcs_to_bq operator
- [AIRFLOW-2089] Add on kill for SparkSubmit in Standalone Cluster
- [AIRFLOW-2113] Address missing DagRun callbacks Given that the handle_callback method belongs to the DAG object, we are able to get the list of task directly with get_task and reduce the communication with the database, making airflow more lightweight.
- [AIRFLOW-2112] Fix svg width for Recent Tasks on UI.
- [AIRFLOW-2116] Set CI Cloudant version to <2.0
- [AIRFLOW-XXX] Add PMC to list of companies using Airflow
- [AIRFLOW-2100] Fix Broken Documentation Links
- [AIRFLOW-1404] Add 'flatten_results' & 'maximum_bytes_billed' to BQ Operator
- [AIRFLOW-800] Initialize valid Google BigQuery Connection
- [AIRFLOW-1319] Fix misleading SparkSubmitOperator and SparkSubmitHook docstring

- [AIRFLOW-1983] Parse environment parameter as template
- [AIRFLOW-2095] Add operator to create External BigQuery Table
- [AIRFLOW-2085] Add SparkJdbc operator
- [AIRFLOW-1002] Add ability to clean all dependencies of removed DAG
- [AIRFLOW-2094] Jinjafied project_id, region & zone in DataProc{*} Operators
- [AIRFLOW-2092] Fixed incorrect parameter in docstring for FTPHook
- [AIRFLOW-XXX] Add SocialCops to Airflow users
- [AIRFLOW-2088] Fix duplicate keys in MySQL to GCS Helper function
- [AIRFLOW-2091] Fix incorrect docstring parameter in BigQuery Hook
- [AIRFLOW-2090] Fix typo in DataStore Hook
- [AIRFLOW-1157] Fix missing pools crashing the scheduler
- [AIRFLOW-713] Jinjafy {EmrCreateJobFlow,EmrAddSteps}Operator attributes
- [AIRFLOW-2083] Docs: Use “its” instead of “it’s” where appropriate
- [AIRFLOW-2066] Add operator to create empty BQ table
- [AIRFLOW-XXX] add Karmic to list of companies
- [AIRFLOW-2073] Make FileSensor fail when the file doesn't exist
- [AIRFLOW-2078] Improve task_stats and dag_stats performance
- [AIRFLOW-2080] Use a log-out icon instead of a power button
- [AIRFLOW-2077] Fetch all pages of list_objects_v2 response
- [AIRFLOW-XXX] Add TM to list of companies
- [AIRFLOW-1985] Impersonation fixes for using *run_as_user*
- [AIRFLOW-2018][AIRFLOW-2] Make Sensors backward compatible
- [AIRFLOW-XXX] Fix typo in concepts doc (dag_md)
- [AIRFLOW-2069] Allow Bytes to be uploaded to S3
- [AIRFLOW-2074] Fix log var name in GHE auth
- [AIRFLOW-1927] Convert naive datetimes for TaskInstances
- [AIRFLOW-1760] Password auth for experimental API
- [AIRFLOW-2038] Add missing kubernetes dependency for dev
- [AIRFLOW-2040] Escape special chars in task instance logs URL
- [AIRFLOW-1968][AIRFLOW-1520] Add role_arn and aws_account_id/aws_iam_role support back to aws hook
- [AIRFLOW-2048] Fix task instance failure string formatting
- [AIRFLOW-2046] Fix kerberos error to work with python 3.x
- [AIRFLOW-2063] Add missing docs for GCP
- [AIRFLOW-XXX] Fix typo in docs
- [AIRFLOW-1793] Use docker_url instead of invalid base_url
- [AIRFLOW-2055] Elaborate on slightly ambiguous documentation
- [AIRFLOW-2039] BigQueryOperator supports priority property
- [AIRFLOW-2053] Fix quote character bug in BQ hook
- [AIRFLOW-2057] Add Overstock to list of companies
- [AIRFLOW-XXX] Add Plaid to Airflow users
- [AIRFLOW-2044] Add SparkSubmitOperator to documentation
- [AIRFLOW-2037] Add methods to get Hash values of a GCS object
- [AIRFLOW-2050] Fix Travis permission problem
- [AIRFLOW-2043] Add Intercom to list of companies
- [AIRFLOW-2023] Add debug logging around number of queued files
- [AIRFLOW-XXX] Add Pernod-ricard as a airflow user
- [AIRFLOW-1453] Add 'steps' into template_fields in EmrAddSteps
- [AIRFLOW-2015] Add flag for interactive runs
- [AIRFLOW-1895] Fix primary key integrity for mysql
- [AIRFLOW-2030] Fix KeyError:i in DbApiHook for insert
- [AIRFLOW-1943] Add External BigQuery Table feature
- [AIRFLOW-2033] Add Google Cloud Storage List Operator
- [AIRFLOW-2006] Add local log catching to kubernetes operator
- [AIRFLOW-2031] Add missing gcp_conn_id in the example in DataFlow docstrings
- [AIRFLOW-2029] Fix AttributeError in BigQueryPandasConnector
- [AIRFLOW-2028] Add JobTeaser to official users list
- [AIRFLOW-2016] Add support for Dataproc Workflow Templates
- [AIRFLOW-2025] Reduced Logging verbosity
- [AIRFLOW-1267][AIRFLOW-1874] Add dialect parameter to BigQueryHook
- [AIRFLOW-XXX] Fixed a typo
- [AIRFLOW-XXX] Typo node to nodes
- [AIRFLOW-2019] Update DataflowHook for updating Streaming type job
- [AIRFLOW-2017][Airflow 2017] adding query output to PostgresOperator
- [AIRFLOW-1889] Split sensors into separate files
- [AIRFLOW-1950] Optionally pass xcom_pull task_ids

- [AIRFLOW-1755] Allow mount below root
- [AIRFLOW-511][Airflow 511] add success/failure callbacks on dag level
- [AIRFLOW-192] Add weight_rule param to BaseOperator
- [AIRFLOW-2008] Use callable for python column defaults
- [AIRFLOW-1984] Fix to AWS Batch operator
- [AIRFLOW-2000] Support non-main dataflow job class
- [AIRFLOW-2003] Use flask-caching instead of flask-cache
- [AIRFLOW-2002] Do not swallow exception on logging import
- [AIRFLOW-2004] Import flash from flask not flask.login
- [AIRFLOW-1997] Fix GCP operator doc strings
- [AIRFLOW-1996] Update DataflowHook wait_for_done for Streaming type job
- [AIRFLOW-1995][Airflow 1995] add on_kill method to SqoopOperator
- [AIRFLOW-1770] Allow HiveOperator to take in a file
- [AIRFLOW-1994] Change background color of Scheduled state Task Instances
- [AIRFLOW-1436][AIRFLOW-1475] EmrJobFlowSensor considers Cancelled step as Successful
- [AIRFLOW-1517] Kubernetes operator PR fixes
- [AIRFLOW-1517] addressed PR comments
- [AIRFLOW-1517] started documentation of k8s operator
- [AIRFLOW-1517] Restore authorship of resources
- [AIRFLOW-1517] Remove authorship of resources
- [AIRFLOW-1517] Add minikube for kubernetes integration tests
- [AIRFLOW-1517] Restore authorship of resources
- [AIRFLOW-1517] fixed license issues
- [AIRFLOW-1517] Created more accurate failures for kube cluster issues
- [AIRFLOW-1517] Remove authorship of resources
- [AIRFLOW-1517] Add minikube for kubernetes integration tests
- [AIRFLOW-1988] Change BG color of None state TIs
- [AIRFLOW-790] Clean up TaskInstances without DagRuns
- [AIRFLOW-1949] Fix var upload, str() produces "b'..." which is not json
- [AIRFLOW-1930] Convert func.now() to timezone.utcnow()
- [AIRFLOW-1688] Support load.time_partitioning in bigquery_hook
- [AIRFLOW-1975] Make TriggerDagRunOperator callback optional
- [AIRFLOW-1480] Render template attributes for ExternalTaskSensor fields
- [AIRFLOW-1958] Add kwargs to send_email
- [AIRFLOW-1976] Fix for missing log/logger attribute FileProcessHandler
- [AIRFLOW-1982] Fix Executor event log formatting
- [AIRFLOW-1971] Propagate hive config on impersonation
- [AIRFLOW-1969] Always use HTTPS URIs for Google OAuth2
- [AIRFLOW-1954] Add DataFlowTemplateOperator
- [AIRFLOW-1963] Add config for HiveOperator mapred_queue
- [AIRFLOW-1946][AIRFLOW-1855] Create a BigQuery Get Data Operator
- [AIRFLOW-1953] Add labels to dataflow operators
- [AIRFLOW-1967] Update Celery to 4.0.2
- [AIRFLOW-1964] Add Upsight to list of Airflow users
- [AIRFLOW-XXX] Changelog for 1.9.0
- [AIRFLOW-1470] Implement BashSensor operator
- [AIRFLOW-XXX] Pin sqlalchemy dependency
- [AIRFLOW-1955] Do not reference unassigned variable
- [AIRFLOW-1957] Add contributor to BalanceHero in Readme
- [AIRFLOW-1517] Restore authorship of secrets and init container
- [AIRFLOW-1517] Remove authorship of secrets and init container
- [AIRFLOW-1935] Add BalanceHero to readme
- [AIRFLOW-1939] add astronomer contributors
- [AIRFLOW-1517] Kubernetes Operator
- [AIRFLOW-1928] Fix @once with catchup=False
- [AIRFLOW-1937] Speed up scheduling by committing in batch
- [AIRFLOW-1821] Enhance default logging config by removing extra loggers
- [AIRFLOW-1904] Correct DAG fileloc to the right filepath
- [AIRFLOW-1909] Update docs with supported versions of MySQL server
- [AIRFLOW-1915] Relax flask-wtf dependency specification
- [AIRFLOW-1920] Update CONTRIBUTING.md to reflect enforced linting rules
- [AIRFLOW-1942] Update Sphinx docs to remove deprecated import structure
- [AIRFLOW-1846][AIRFLOW-1697] Hide Ad Hoc Query behind secure_mode config
- [AIRFLOW-1948] Include details for on_kill failure

- [AIRFLOW-1938] Clean up unused exception
- [AIRFLOW-1932] Add GCP Pub/Sub Pull and Ack
- [AIRFLOW-XXX] Purge coveralls
- [AIRFLOW-XXX] Remove unused coveralls token
- [AIRFLOW-1938] Remove tag version check in setup.py
- [AIRFLOW-1916] Don't upload logs to remote from *run -raw*
- [AIRFLOW-XXX] Fix failing PubSub tests on Python3
- [AIRFLOW-XXX] Upgrade to python 3.5 and disable dask tests
- [AIRFLOW-1913] Add new GCP PubSub operators
- [AIRFLOW-1525] Fix minor LICENSE and NOTICE issues
- [AIRFLOW-1687] fix fernet error without encryption
- [AIRFLOW-1912] airflow.processor should not propagate logging
- [AIRFLOW-1911] Rename celeryd_concurrency
- [AIRFLOW-1885] Fix IndexError in ready_prefix_on_cmdline
- [AIRFLOW-1854] Improve Spark Submit operator for standalone cluster mode
- [AIRFLOW-1908] Fix celery broker options config load
- [AIRFLOW-1907] Pass max_ingestion_time to Druid hook
- [AIRFLOW-1909] Add away to list of users
- [AIRFLOW-1893][AIRFLOW-1901] Propagate PYTHONPATH when using impersonation
- [AIRFLOW-1892] Modify BQ hook to extract data filtered by column
- [AIRFLOW-1829] Support for schema updates in query jobs
- [AIRFLOW-1840] Make celery configuration congruent with Celery 4
- [AIRFLOW-1878] Fix stderr/stdout redirection for tasks
- [AIRFLOW-1897][AIRFLOW-1873] Task Logs for running instance not visible in WebUI
- [AIRFLOW-1896] FIX bleach <> html5lib incompatibility
- [AIRFLOW-1884][AIRFLOW-1059] Reset orphaned task state for external dagruns
- [AIRFLOW-XXX] Fix typo in comment
- [AIRFLOW-1869] Do not emit spurious warning on missing logs
- [AIRFLOW-1888] Add AWS Redshift Cluster Sensor
- [AIRFLOW-1887] Renamed endpoint url variable
- [AIRFLOW-1873] Set TI.try_number to right value depending TI state
- [AIRFLOW-1891] Fix non-ascii typo in default configuration template
- [AIRFLOW-1879] Handle ti log entirely within ti
- [AIRFLOW-1869] Write more error messages into gcs and file logs
- [AIRFLOW-1876] Write subtask id to task log header
- [AIRFLOW-1554] Fix wrong DagFileProcessor termination method call
- [AIRFLOW-342] Do not use amqp, rpc as result backend
- [AIRFLOW-966] Make celery broker_transport_options configurable
- [AIRFLOW-1881] Make operator log in task log
- [AIRFLOW-XXX] Added DataReply to the list of Airflow Users
- [AIRFLOW-1883] Get File Size for objects in Google Cloud Storage
- [AIRFLOW-1872] Set context for all handlers including parents
- [AIRFLOW-1855][AIRFLOW-1866] Add GCS Copy Operator to copy multiple files
- [AIRFLOW-1870] Enable flake8 tests
- [AIRFLOW-1785] Enable Python 3 tests
- [AIRFLOW-1850] Copy cmd before masking
- [AIRFLOW-1665] Reconnect on database errors
- [AIRFLOW-1559] Dispose SQLAlchemy engines on exit
- [AIRFLOW-1559] Close file handles in subprocesses
- [AIRFLOW-1559] Make database pooling optional
- [AIRFLOW-1848][Airflow-1848] Fix DataFlowPythonOperator py_file extension doc comment
- [AIRFLOW-1843] Add Google Cloud Storage Sensor with prefix
- [AIRFLOW-1803] Time zone documentation
- [AIRFLOW-1826] Update views to use timezone aware objects
- [AIRFLOW-1827] Fix api endpoint date parsing
- [AIRFLOW-1806] Use naive datetime when using cron
- [AIRFLOW-1809] Update tests to use timezone aware objects
- [AIRFLOW-1806] Use naive datetime for cron scheduling
- [AIRFLOW-1807] Force use of time zone aware db fields
- [AIRFLOW-1808] Convert all utcnow() to time zone aware
- [AIRFLOW-1804] Add time zone configuration options
- [AIRFLOW-1802] Convert database fields to timezone aware
- [AIRFLOW-XXX] Add dask lock files to excludes
- [AIRFLOW-1790] Add support for AWS Batch operator
- [AIRFLOW-XXX] Update README.md

- [AIRFLOW-1820] Remove timestamp from metric name
- [AIRFLOW-1810] Remove unused mysql import in migrations.
- [AIRFLOW-1838] Properly log collect_dags exception
- [AIRFLOW-1842] Fixed Super class name for the gcs to gcs copy operator
- [AIRFLOW-1845] Modal background now covers long or tall pages
- [AIRFLOW-1229] Add link to Run Id, incl execution_date
- [AIRFLOW-1842] Add gcs to gcs copy operator with renaming if required
- [AIRFLOW-1841] change False to None in operator and hook
- [AIRFLOW-1839] Fix more bugs in S3Hook boto -> boto3 migration
- [AIRFLOW-1830] Support multiple domains in Google authentication backend
- [AIRFLOW-1831] Add driver-classpath spark submit
- [AIRFLOW-1795] Correctly call S3Hook after migration to boto3
- [AIRFLOW-1811] Fix render Druid operator
- [AIRFLOW-1819] Fix slack operator unittest bug
- [AIRFLOW-1805] Allow Slack token to be passed through connection
- [AIRFLOW-1816] Add region param to Dataproc operators
- [AIRFLOW-868] Add postgres_to_gcs operator and unittests
- [AIRFLOW-1613] make mysql_to_gcs_operator py3 compatible
- [AIRFLOW-1817] use boto3 for s3 dependency
- [AIRFLOW-1813] Bug SSH Operator empty buffer
- [AIRFLOW-1801][AIRFLOW-288] Url encode execution dates
- [AIRFLOW-1563] Catch OSError while symlinking the latest log directory
- [AIRFLOW-1794] Remove uses of Exception.message for Python 3
- [AIRFLOW-1799] Fix logging line which raises errors
- [AIRFLOW-1102] Upgrade Unicorn >=19.4.0
- [AIRFLOW-1756] Fix S3TaskHandler to work with Boto3-based S3Hook
- [AIRFLOW-1797] S3Hook.load_string did not work on Python3
- [AIRFLOW-646] Add docutils to setup_requires
- [AIRFLOW-1792] Missing intervals DruidOperator
- [AIRFLOW-1789][AIRFLOW-1712] Log SSHOperator stderr to log.warning
- [AIRFLOW-1787] Fix task instance batch clear and set state bugs
- [AIRFLOW-1780] Fix long output lines with unicode from hanging parent
- [AIRFLOW-387] Close SQLAlchemy sessions properly
- [AIRFLOW-1779] Add keepalive packets to ssh hook
- [AIRFLOW-1669] Fix Docker and pin Moto to 1.1.19
- [AIRFLOW-71] Add support for private Docker images
- [AIRFLOW-XXX] Give a clue what the 'ds' variable is
- [AIRFLOW-XXX] Correct typos in the faq docs page
- [AIRFLOW-1571] Add AWS Lambda Hook
- [AIRFLOW-1675] Fix docstrings for API docs
- [AIRFLOW-1712][AIRFLOW-756][AIRFLOW-751] Log SSHOperator output
- [AIRFLOW-1776] Capture stdout and stderr for logging
- [AIRFLOW-1765] Make experimental API securable without needing Kerberos.
- [AIRFLOW-1764] The web interface should not use the experimental API
- [AIRFLOW-1771] Rename heartbeat to avoid confusion
- [AIRFLOW-1769] Add support for templates in VirtualenvOperator
- [AIRFLOW-1763] Fix S3TaskHandler unit tests
- [AIRFLOW-1315] Add Qubole File & Partition Sensors
- [AIRFLOW-1018] Make processor use logging framework
- [AIRFLOW-1695] Add RedshiftHook using boto3
- [AIRFLOW-1706] Fix query error for MSSQL backend
- [AIRFLOW-1711] Use ldap3 dict for group membership
- [AIRFLOW-1723] Make sendgrid a plugin
- [AIRFLOW-1757] Add missing options to SparkSubmitOperator
- [AIRFLOW-1734][Airflow 1734] Sqoop hook/operator enhancements
- [AIRFLOW-1761] Fix type in scheduler.rst
- [AIRFLOW-1731] Set pythonpath for logging
- [AIRFLOW-1641] Handle executor events in the scheduler
- [AIRFLOW-1744] Make sure max_tries can be set
- [AIRFLOW-1732] Improve dataflow hook logging
- [AIRFLOW-1736] Add HotelQuickly to Who Uses Airflow
- [AIRFLOW-1657] Handle failing qubole operator
- [AIRFLOW-1677] Fix typo in example_qubole_operator
- [AIRFLOW-926] Fix JDBC Hook

- [AIRFLOW-1520] Boto3 S3Hook, S3Log
- [AIRFLOW-1716] Fix multiple __init__ def in SimpleDag
- [AIRFLOW-XXX] Fix DateTime in Tree View
- [AIRFLOW-1719] Fix small typo
- [AIRFLOW-1432] Charts label for Y axis not visible
- [AIRFLOW-1743] Verify ldap filters correctly
- [AIRFLOW-1745] Restore default signal disposition
- [AIRFLOW-1741] Correctly hide second chart on task duration page
- [AIRFLOW-1728] Add networkUri, subnet, tags to Dataproc operator
- [AIRFLOW-1726] Add copy_expert psychopg2 method to PostgresHook
- [AIRFLOW-1330] Add conn_type argument to CLI when adding connection
- [AIRFLOW-1698] Remove SCHEDULER_RUNS env var in systemd
- [AIRFLOW-1694] Stop using itertools.izip
- [AIRFLOW-1692] Change test_views filename to support Windows
- [AIRFLOW-1722] Fix typo in scheduler autorestart output filename
- [AIRFLOW-1723] Support sendgrid in email backend
- [AIRFLOW-1718] Set num_retries on Dataproc job request execution
- [AIRFLOW-1727] Add unit tests for DataProcHook
- [AIRFLOW-1631] Fix timing issue in unit test
- [AIRFLOW-1631] Fix local executor unbound parallelism
- [AIRFLOW-1724] Add Fundera to Who uses Airflow?
- [AIRFLOW-1683] Cancel BigQuery job on timeout.
- [AIRFLOW-1714] Fix misspelling: s/separate/separate/
- [AIRFLOW-1681] Add batch clear in task instance view
- [AIRFLOW-1696] Fix dataproc version label error
- [AIRFLOW-1613] Handle binary field in MySqlToGoogleCloudStorageOperator
- [AIRFLOW-1697] Mode to disable charts endpoint
- [AIRFLOW-1691] Add better Google cloud logging documentation
- [AIRFLOW-1690] Add detail to gcs error messages
- [AIRFLOW-1682] Make S3TaskHandler write to S3 on close
- [AIRFLOW-1634] Adds task_concurrency feature
- [AIRFLOW-1676] Make GCSTaskHandler write to GCS on close
- [AIRFLOW-1678] Fix erroneously repeated word in function docstrings
- [AIRFLOW-1323] Made Dataproc operator parameter names consistent
- [AIRFLOW-1590] fix unused module and variable
- [AIRFLOW-1671] Add @apply_defaults back to gcs download operator
- [AIRFLOW-988] Fix repeating SLA miss callbacks
- [AIRFLOW-1611] Customize logging
- [AIRFLOW-1668] Expose keepalives_idle for Postgres connections
- [AIRFLOW-1658] Kill Druid task on timeout
- [AIRFLOW-1669][AIRFLOW-1368] Fix Docker import
- [AIRFLOW-891] Make webserver clock include date
- [AIRFLOW-1560] Add AWS DynamoDB hook and operator for inserting batch items
- [AIRFLOW-1654] Show tooltips for link icons in DAGs view
- [AIRFLOW-1660] Change webpage width to full-width
- [AIRFLOW-1664] write file as binary instead of str
- [AIRFLOW-1659] Fix invalid obj attribute bug in file_task_handler.py
- [AIRFLOW-1635] Allow creating GCP connection without requiring a JSON file
- [AIRFLOW-1650] Fix custom celery config loading
- [AIRFLOW-1647] Fix Spark-sql hook
- [AIRFLOW-1587] Fix CeleryExecutor import error
- [Airflow-1640][AIRFLOW-1640] Add qubole default connection
- [AIRFLOW-1576] Added region param to Dataproc(*)Operators
- [AIRFLOW-1643] Add healthjump to officially using list
- [AIRFLOW-1626] Add Azri Solutions to Airflow users
- [AIRFLOW-1636] Add AWS and EMR connection type
- [AIRFLOW-1527] Refactor celery config
- [AIRFLOW-1639] Fix Fernet error handling
- [AIRFLOW-1637] Fix Travis CI build status link
- [AIRFLOW-1628] Fix docstring of sqlsensor
- [AIRFLOW-1331] add SparkSubmitOperator option
- [AIRFLOW-1627] Only query pool in SubDAG init when necessary
- [AIRFLOW-1629] Make extra a textarea in edit connections form
- [AIRFLOW-1368] Automatically remove Docker container on exit
- [AIRFLOW-289] Make airflow timezone independent

- [AIRFLOW-1356] Add `-celery_hostname` to *airflow worker*
- [AIRFLOW-1247] Fix `ignore_all_dependencies` argument ignored
- [AIRFLOW-1621] Add tests for server side paging
- [AIRFLOW-1591] Avoid attribute error when rendering logging filename
- [AIRFLOW-1031] Replace hard-code to `DagRun.ID_PREFIX`
- [AIRFLOW-1604] Rename logger to log
- [AIRFLOW-1512] Add `PythonVirtualenvOperator`
- [AIRFLOW-1617] Fix XSS vulnerability in Variable endpoint
- [AIRFLOW-1497] Reset hidden fields when changing connection type
- [AIRFLOW-1619] Add `poll_sleep` parameter to GCP dataflow operator
- [AIRFLOW-XXX] Remove `landscape.io` config
- [AIRFLOW-XXX] Remove non working service badges
- [AIRFLOW-1177] Fix `Variable.setdefault` w/existing JSON
- [AIRFLOW-1600] Fix exception handling in `get_fernet`
- [AIRFLOW-1614] Replace `inspect.stack()` with `sys._getframe()`
- [AIRFLOW-1519] Add server side paging in DAGs list
- [AIRFLOW-1309] Allow `hive_to_druid` to take `tblproperties`
- [AIRFLOW-1613] Make `MySQLToGoogleCloudStorageOperator` compatible with python3
- [AIRFLOW-1603] add PAYMILL to companies list
- [AIRFLOW-1609] Fix gitignore to ignore all venvs
- [AIRFLOW-1601] Add configurable task cleanup time

Airflow 1.9.0, 2018-01-02

- [AIRFLOW-1525] Fix minor LICENSE and NOTICE issues
- [AIRFLOW-XXX] Bump version to 1.9.0
- [AIRFLOW-1897][AIRFLOW-1873] Task Logs for running instance not visible in WebUI
- [AIRFLOW-XXX] Make sure session is committed
- [AIRFLOW-1896] FIX bleach <> html5lib incompatibility
- [AIRFLOW-XXX] Fix log handler test
- [AIRFLOW-1873] Set `TI.try_number` to right value depending TI state
- [AIRFLOW-1554] Fix wrong `DagFileProcessor` termination method call
- [AIRFLOW-1872] Set context for all handlers including parents
- [AIRFLOW-XXX] Add dask lock files to excludes
- [AIRFLOW-1839] Fix more bugs in S3Hook boto -> boto3 migration
- [AIRFLOW-1795] Correctly call S3Hook after migration to boto3
- [AIRFLOW-1813] Bug SSH Operator empty buffer
- [AIRFLOW-1794] Remove uses of `Exception.message` for Python 3
- [AIRFLOW-1799] Fix logging line which raises errors
- [AIRFLOW-1102] Upgrade Gunicorn >=19.4.0
- [AIRFLOW-1756] Fix S3TaskHandler to work with Boto3-based S3Hook
- [AIRFLOW-1797] S3Hook.load_string did not work on Python3
- [AIRFLOW-1792] Missing intervals DruidOperator
- [AIRFLOW-1789][AIRFLOW-1712] Log SSHOperator stderr to log.warning
- [AIRFLOW-1669] Fix Docker and pin Moto to 1.1.19
- [AIRFLOW-71] Add support for private Docker images
- [AIRFLOW-1779] Add keepalive packets to ssh hook
- [AIRFLOW-XXX] Give a clue what the 'ds' variable is
- [AIRFLOW-XXX] Correct typos in the faq docs page
- [AIRFLOW-1571] Add AWS Lambda Hook
- [AIRFLOW-1675] Fix docstrings for API docs
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- [AIRFLOW-1614] Replace inspect.stack() with sys._getframe()
- [AIRFLOW-1613] Make MySQLToGoogleCloudStorageOperator compatible with python3
- [AIRFLOW-1609] Fix gitignore to ignore all venvs
- [AIRFLOW-1601] Add configurable task cleanup time
- [AIRFLOW-XXX] Bumping Airflow 1.9.0alpha0 version
- [AIRFLOW-1608] Handle pending job state in GCP Dataflow hook
- [AIRFLOW-1606] Use non static DAG.sync_to_db
- [AIRFLOW-1606][Airflow-1606][AIRFLOW-1605][AIRFLOW-160] DAG.sync_to_db is now a normal method
- [AIRFLOW-1602] LoggingMixin in DAG class
- [AIRFLOW-1593] expose load_string in WasbHook
- [AIRFLOW-1597] Add GameWisp as Airflow user
- [AIRFLOW-1594] Don't install test packages into python root.[]

- [AIRFLOW-1582] Improve logging within Airflow
- [AIRFLOW-1476] add INSTALL instruction for source releases
- [AIRFLOW-XXX] Save username and password in airflow-pr
- [AIRFLOW-1522] Increase text size for var field in variables for MySQL
- [AIRFLOW-950] Missing AWS integrations on documentation::integrations
- [AIRFLOW-XXX] 1.8.2 release notes
- [AIRFLOW-1573] Remove *thrift* < 0.10.0 requirement
- [AIRFLOW-1584] Remove insecure /headers endpoint
- [AIRFLOW-1586] Add mapping for date type to mysql_to_gcs operator
- [AIRFLOW-1579] Adds support for jagged rows in Bigquery hook for BQ load jobs
- [AIRFLOW-1577] Add token support to DatabricksHook
- [AIRFLOW-1580] Error in string formatting
- [AIRFLOW-1567] Updated docs for Google ML Engine operators/hooks
- [AIRFLOW-1574] add 'to' attribute to templated vars of email operator
- [AIRFLOW-1572] add carbonite to company list
- [AIRFLOW-1568] Fix typo in BigQueryHook
- [AIRFLOW-1493][AIRFLOW-XXX][WIP] fixed dumb thing
- [AIRFLOW-1567][Airflow-1567] Renamed cloudml hook and operator to mlengine
- [AIRFLOW-1568] Add datastore export/import operators
- [AIRFLOW-1564] Use Jinja2 to render logging filename
- [AIRFLOW-1562] Spark-sql logging contains deadlock
- [AIRFLOW-1556][Airflow 1556] Add support for SQL parameters in BigQueryBaseCursor
- [AIRFLOW-108] Add CreditCards.com to companies list
- [AIRFLOW-1541] Add channel to template fields of slack_operator
- [AIRFLOW-1535] Add service account/scopes in dataproc
- [AIRFLOW-1384] Add to README.md CaDC/ARGO
- [AIRFLOW-1546] add Zymergen 80to org list in README
- [AIRFLOW-1545] Add Nextdoor to companies list
- [AIRFLOW-1544] Add DataFox to companies list
- [AIRFLOW-1529] Add logic supporting quoted newlines in Google BigQuery load jobs
- [AIRFLOW-1521] Fix template rendering for BigqueryTableDeleteOperator
- [AIRFLOW-1324] Generalize Druid operator and hook
- [AIRFLOW-1516] Fix error handling getting fernet
- [AIRFLOW-1420][AIRFLOW-1473] Fix deadlock check
- [AIRFLOW-1495] Fix migration on index on job_id
- [AIRFLOW-1483] Making page size consistent in list
- [AIRFLOW-1495] Add TaskInstance index on job_id
- [AIRFLOW-855] Replace PickleType with LargeBinary in XCom
- [AIRFLOW-1505] Document when Jinja substitution occurs
- [AIRFLOW-1504] Log dataproc cluster name
- [AIRFLOW-1239] Fix unicode error for logs in base_task_runner
- [AIRFLOW-1280] Fix Gantt chart height
- [AIRFLOW-1507] Template parameters in file_to_gcs operator
- [AIRFLOW-1452] workaround lock on method
- [AIRFLOW-1385] Make Airflow task logging configurable
- [AIRFLOW-940] Handle error on variable decrypt
- [AIRFLOW-1492] Add gauge for task successes/failures
- [AIRFLOW-1443] Update Airflow configuration documentation
- [AIRFLOW-1486] Unexpected S3 writing log error
- [AIRFLOW-1487] Added links to all companies officially using Airflow
- [AIRFLOW-1489] Fix typo in BigQueryCheckOperator
- [AIRFLOW-1349] Fix backfill to respect limits
- [AIRFLOW-1478] Chart owner column should be sortable
- [AIRFLOW-1397][AIRFLOW-1] No Last Run column data displayed in Airflow UI 1.8.1
- [AIRFLOW-1474] Add dag_id regex feature for *airflow clear* command
- [AIRFLOW-1445] Changing HivePartitionSensor UI color to lighter shade
- [AIRFLOW-1359] Use default_args in Cloud ML eval
- [AIRFLOW-1389] Support createDisposition in BigQueryOperator
- [AIRFLOW-1349] Refactor BackfillJob _execute
- [AIRFLOW-1459] Fixed broken integration .rst formatting
- [AIRFLOW-1448] Revert "Fix cli reading logfile in memory"
- [AIRFLOW-1398] Allow ExternalTaskSensor to wait on multiple runs of a task
- [AIRFLOW-1399] Fix cli reading logfile in memory
- [AIRFLOW-1442] Remove extra space from ignore_all_deps generated command

- [AIRFLOW-1438] Change batch size per query in scheduler
- [AIRFLOW-1439] Add max billing tier for the BQ Hook and Operator
- [AIRFLOW-1437] Modify BigQueryTableDeleteOperator
- [Airflow 1332] Split logs based on try number
- [AIRFLOW-1385] Create abstraction for Airflow task logging
- [AIRFLOW-756][AIRFLOW-751] Replace ssh hook, operator & sftp operator with paramiko based
- [AIRFLOW-1393][AIRFLOW-1393] Enable Py3 tests in contrib/spark_submit_hook[
- [AIRFLOW-1345] Dont expire Tls on each scheduler loop
- [AIRFLOW-1059] Reset orphaned tasks in batch for scheduler
- [AIRFLOW-1255] Fix SparkSubmitHook output deadlock
- [AIRFLOW-1359] Add Google CloudML utils for model evaluation
- [AIRFLOW-1247] Fix ignore all dependencies argument ignored
- [AIRFLOW-1401] Standardize cloud ml operator arguments
- [AIRFLOW-1394] Add quote_character param to GCS hook and operator
- [AIRFLOW-1402] Cleanup SafeConfigParser DeprecationWarning
- [AIRFLOW-1326][AIRFLOW-1326][AIRFLOW-1184] Don't split argument array – it's already an array.[
- [AIRFLOW-1384] Add ARGO/CaDC as a Airflow user
- [AIRFLOW-1357] Fix scheduler zip file support
- [AIRFLOW-1382] Add working dir option to DockerOperator
- [AIRFLOW-1388] Add Cloud ML Engine operators to integration doc
- [AIRFLOW-1387] Add unicode string prefix
- [AIRFLOW-1366] Add max_tries to task instance
- [AIRFLOW-1300] Enable table creation with TBLPROPERTIES
- [AIRFLOW-1271] Add Google CloudML Training Operator
- [AIRFLOW-300] Add Google Pubsub hook and operator
- [AIRFLOW-1343] Fix dataproc label format
- [AIRFLOW-1367] Pass Content-ID To reference inline images in an email, we need to be able to add to the HTML. However currently the Content-ID (cid) is not passed, so we need to add it
- [AIRFLOW-1265] Fix celery executor parsing CELERY_SSL_ACTIVE
- [AIRFLOW-1272] Google Cloud ML Batch Prediction Operator
- [AIRFLOW-1352][AIRFLOW-1335] Revert MemoryHandler change ()[]
- [AIRFLOW-1350] Add query_uri param to Hive/SparkSQL DataProc operator
- [AIRFLOW-1334] Check if tasks are backfill on scheduler in a join
- [AIRFLOW-1343] Add Airflow default label to the dataproc operator
- [AIRFLOW-1273] Add Google Cloud ML version and model operators
- [AIRFLOW-1273]AIRFLOW-1273] Add Google Cloud ML version and model operators
- [AIRFLOW-1321] Fix hidden field key to ignore case
- [AIRFLOW-1337] Make log_format key names lowercase
- [AIRFLOW-1338][AIRFLOW-782] Add GCP dataflow hook runner change to UPDATING.md
- [AIRFLOW-801] Remove outdated docstring on BaseOperator
- [AIRFLOW-1344] Fix text encoding bug when reading logs for Python 3.5
- [AIRFLOW-1338] Fix incompatible GCP dataflow hook
- [AIRFLOW-1333] Enable copy function for Google Cloud Storage Hook
- [AIRFLOW-1337] Allow log format customization via airflow.cfg
- [AIRFLOW-1320] Update LetsBonus users in README
- [AIRFLOW-1335] Use MemoryHandler for buffered logging
- [AIRFLOW-1339] Add Drivy to the list of users
- [AIRFLOW-1275] Put 'airflow pool' into API
- [AIRFLOW-1296] Propagate SKIPPED to all downstream tasks
- [AIRFLOW-1317] Fix minor issues in API reference
- [AIRFLOW-1308] Disable nanny usage for Dask
- [AIRFLOW-1172] Support nth weekday of the month cron expression
- [AIRFLOW-936] Add clear/mark success for DAG in the UI
- [AIRFLOW-1294] Backfills can loose tasks to execute
- [AIRFLOW-1299] Support imageVersion in Google Dataproc cluster
- [AIRFLOW-1291] Update NOTICE and LICENSE files to match ASF requirements
- [AIRFLOW-1301] Add New Relic to list of companies
- [AIRFLOW-1289] Removes restriction on number of scheduler threads
- [AIRFLOW-1024] Ignore celery executor errors (#49)
- [AIRFLOW-1265] Fix exception while loading celery configurations
- [AIRFLOW-1290] set docs author to 'Apache Airflow'
- [AIRFLOW-1242] Allowing project_id to have a colon in it.
- [AIRFLOW-1282] Fix known event column sorting
- [AIRFLOW-1166] Speed up _change_state_for_tis_without_dagrun
- [AIRFLOW-1208] Speed-up cli tests

- [AIRFLOW-1192] Some enhancements to qubole_operator
- [AIRFLOW-1281] Sort variables by key field by default
- [AIRFLOW-1277] Forbid KE creation with empty fields
- [AIRFLOW-1276] Forbid event creation with end_data earlier than start_date
- [AIRFLOW-1263] Dynamic height for charts
- [AIRFLOW-1266] Increase width of gantt y axis
- [AIRFLOW-1244] Forbid creation of a pool with empty name
- [AIRFLOW-1274][HTTPSensor] Rename parameter params to data
- [AIRFLOW-654] Add SSL Config Option for CeleryExecutor w/ RabbitMQ - Add BROKER_USE_SSL config to give option to send AMQP messages over SSL - Can be set using usual airflow options (e.g. airflow.cfg, env vars, etc.)
- [AIRFLOW-1256] Add United Airlines to readme
- [AIRFLOW-1251] Add eRevalue to Airflow users
- [AIRFLOW-908] Print hostname at the start of cli run
- [AIRFLOW-1237] Fix IN-predicate sqlalchemy warning
- [AIRFLOW-1243] DAGs table has no default entries to show
- [AIRFLOW-1245] Fix random failure in test_trigger_dag_for_date
- [AIRFLOW-1248] Fix wrong conf name for worker timeout
- [AIRFLOW-1197] : SparkSubmitHook on_kill error
- [AIRFLOW-1191] : SparkSubmitHook custom cmd
- [AIRFLOW-1234] Cover utils.operator_helpers with UTs
- [AIRFLOW-1217] Enable Sqoop logging
- [AIRFLOW-645] Support HTTPS connections in HttpHook
- [AIRFLOW-1231] Use flask_wtf.CSRFProtect
- [AIRFLOW-1232] Remove deprecated readfp warning
- [AIRFLOW-1233] Cover utils.json with unit tests
- [AIRFLOW-1227] Remove empty column on the Logs view
- [AIRFLOW-1226] Remove empty column on the Jobs view
- [AIRFLOW-1221] Fix templating bug with DatabricksSubmitRunOperator
- [AIRFLOW-1210] Enable DbApiHook unit tests
- [AIRFLOW-1199] Fix create modal
- [AIRFLOW-1200] Forbid creation of a variable with an empty key
- [AIRFLOW-1207] Enable utils.helpers unit tests
- [AIRFLOW-1213] Add hcatalog parameters to sqoop
- [AIRFLOW-1201] Update deprecated 'nose-parameterized'
- [AIRFLOW-1186] Sort dag.get_task_instances by execution_date
- [AIRFLOW-1203] Pin Google API client version to fix OAuth issue
- [AIRFLOW-1145] Fix closest_date_partition function with before set to True If we're looking for the closest date before, we should take the latest date in the list of date before.
- [AIRFLOW-1180] Fix flask-wtf version for test_csrf_rejection
- [AIRFLOW-993] Update date inference logic
- [AIRFLOW-1170] DbApiHook insert_rows inserts parameters separately
- [AIRFLOW-1041] Do not shadow xcom_push method[]
- [AIRFLOW-860][AIRFLOW-935] Fix plugin executor import cycle and executor selection
- [AIRFLOW-1189] Fix get a DataFrame using BigQueryHook failing
- [AIRFLOW-1184] SparkSubmitHook does not split args
- [AIRFLOW-1182] SparkSubmitOperator template field
- [AIRFLOW-823] Allow specifying execution date in task_info API
- [AIRFLOW-1175] Add Pronto Tools to Airflow user list
- [AIRFLOW-1150] Fix scripts execution in sparksql hook[]
- [AIRFLOW-1141] remove crawl_for_tasks
- [AIRFLOW-1193] Add Checkr to company using Airflow
- [AIRFLOW-1168] Add closing() to all connections and cursors
- [AIRFLOW-1188] Add max_bad_records param to GoogleCloudStorageToBigQueryOperator
- [AIRFLOW-1187][AIRFLOW-1185] Fix PyPi package names in documents
- [AIRFLOW-1185] Fix PyPi URL in templates
- [AIRFLOW-XXX] Updating CHANGELOG, README, and UPDATING after 1.8.1 release
- [AIRFLOW-1181] Add delete and list functionality to gcs_hook
- [AIRFLOW-1179] Fix Pandas 0.2x breaking Google BigQuery change
- [AIRFLOW-1167] Support microseconds in FTPHook modification time
- [AIRFLOW-1173] Add Robinhood to who uses Airflow
- [AIRFLOW-945][AIRFLOW-941] Remove pycopg2 connection workaround
- [AIRFLOW-1140] DatabricksSubmitRunOperator should template the "json" field.
- [AIRFLOW-1160] Update Spark parameters for Mesos
- [AIRFLOW 1149][AIRFLOW-1149] Allow for custom filters in Jinja2 templates

- [AIRFLOW-1036] Randomize exponential backoff
- [AIRFLOW-1155] Add Tails.com to community
- [AIRFLOW-1142] Do not reset orphaned state for backfills
- [AIRFLOW-492] Make sure stat updates cannot fail a task
- [AIRFLOW-1119] Fix unload query so headers are on first row[]
- [AIRFLOW-1089] Add Spark application arguments
- [AIRFLOW-1125] Document encrypted connections
- [AIRFLOW-1122] Increase stroke width in UI
- [AIRFLOW-1138] Add missing licenses to files in scripts directory
- (AIRFLOW-11-38) [AIRFLOW-1136] Capture invalid arguments for Sqoop
- [AIRFLOW-1127] Move license notices to LICENSE
- [AIRFLOW-1118] Add evo.company to Airflow users
- [AIRFLOW-1121][AIRFLOW-1004] Fix *airflow webserver -pid* to write out pid file
- [AIRFLOW-1124] Do not set all tasks to scheduled in backfill
- [AIRFLOW-1120] Update version view to include Apache prefix
- [AIRFLOW-1091] Add script that can compare jira target against merges
- [AIRFLOW-1107] Add support for ftps non-default port
- [AIRFLOW-1000] Rebrand distribution to Apache Airflow
- [AIRFLOW-1094] Run unit tests under contrib in Travis
- [AIRFLOW-1112] Log which pool when pool is full in scheduler
- [AIRFLOW-1106] Add Groupalia/Letsbonus to the ReadMe
- [AIRFLOW-1109] Use kill signal to kill processes and log results
- [AIRFLOW-1074] Don't count queued tasks for concurrency limits
- [AIRFLOW-1095] Make ldap_auth memberOf come from configuration
- [AIRFLOW-1090] Add HBO
- [AIRFLOW-1035] Use binary exponential backoff
- [AIRFLOW-1081] Improve performance of duration chart
- [AIRFLOW-1078] Fix latest_runs endpoint for old flask versions
- [AIRFLOW-1085] Enhance the SparkSubmitOperator
- [AIRFLOW-1050] Do not count up_for_retry as not ready
- [AIRFLOW-1028] Databricks Operator for Airflow
- [AIRFLOW-1075] Security docs cleanup
- [AIRFLOW-1033][AIRFLOW-1033] Fix ti_deps for no schedule dags
- [AIRFLOW-1016] Allow HTTP HEAD request method on HTTPSensor
- [AIRFLOW-970] Load latest_runs on homepage async
- [AIRFLOW-111] Include queued tasks in scheduler concurrency check
- [AIRFLOW-1001] Fix landing times if there is no following schedule
- [AIRFLOW-1065] Add functionality for Azure Blob Storage over wasb://
- [AIRFLOW-947] Improve exceptions for unavailable Presto cluster
- [AIRFLOW-1067] use example.com in examples
- [AIRFLOW-1064] Change default sort to job_id for TaskInstanceModelView
- [AIRFLOW-1030][AIRFLOW-1] Fix hook import for HttpSensor
- [AIRFLOW-1051] Add a test for resetdb to CliTests
- [AIRFLOW-1004][AIRFLOW-276] Fix *airflow webserver -D* to run in background
- [AIRFLOW-1062] Fix DagRun#find to return correct result
- [AIRFLOW-1011] Fix bug in BackfillJob._execute() for SubDAGs
- [AIRFLOW-1038] Specify celery serialization options explicitly
- [AIRFLOW-1054] Fix broken import in test_dag
- [AIRFLOW-1007] Use Jinja sandbox for chart_data endpoint
- [AIRFLOW-719] Fix race condition in ShortCircuit, Branch and LatestOnly
- [AIRFLOW-1043] Fix doc strings of operators
- [AIRFLOW-840] Make ticket renewer python3 compatible
- [AIRFLOW-985] Extend the sqoop operator and hook
- [AIRFLOW-1034] Make it possible to connect to S3 in sigv4 regions
- [AIRFLOW-1045] Make log level configurable via airflow.cfg
- [AIRFLOW-1047] Sanitize strings passed to Markup
- [AIRFLOW-1040] Fix some small typos in comments and docstrings
- [AIRFLOW-1017] get_task_instance should not throw exception when no TI
- [AIRFLOW-1006] Add config_templates to MANIFEST
- [AIRFLOW-999] Add support for Redis database
- [AIRFLOW-1009] Remove SQLOperator from Concepts page
- [AIRFLOW-1006] Move config templates to separate files
- [AIRFLOW-1005] Improve Airflow startup time
- [AIRFLOW-1010] Add convenience script for signing releases
- [AIRFLOW-995] Remove reference to actual Airflow issue

- [AIRFLOW-681] homepage doc link should pointing to apache repo not airbnb repo
- [AIRFLOW-705][AIRFLOW-706] Fix run_command bugs
- [AIRFLOW-990] Fix Py27 unicode logging in DockerOperator
- [AIRFLOW-963] Fix non-rendered code examples
- [AIRFLOW-969] Catch bad python_callable argument
- [AIRFLOW-984] Enable subclassing of SubDagOperator
- [AIRFLOW-997] Update setup.cfg to point to Apache
- [AIRFLOW-994] Add MinODES to the official airflow user list
- [AIRFLOW-995][AIRFLOW-1] Update GitHub PR Template
- [AIRFLOW-989] Do not mark dag run successful if unfinished tasks
- [AIRFLOW-903] New configuration setting for the default dag view
- [AIRFLOW-979] Add GovTech GDS
- [AIRFLOW-933] Replace eval with literal_eval to prevent RCE
- [AIRFLOW-974] Fix makedirs race condition
- [AIRFLOW-917] Fix formatting of error message
- [AIRFLOW-770] Refactor BaseHook so env vars are always read
- [AIRFLOW-900] Double trigger should not kill original task instance
- [AIRFLOW-900] Fixes bugs in LocalTaskJob for double run protection
- [AIRFLOW-932][AIRFLOW-932][AIRFLOW-921][AIRFLOW-910] Do not mark tasks removed when backfilling[
- [AIRFLOW-961] run onkill when SIGTERM
- [AIRFLOW-910] Use parallel task execution for backfills
- [AIRFLOW-967] Wrap strings in native for py2 ldap compatibility
- [AIRFLOW-958] Improve tooltip readability
- AIRFLOW-959 Cleanup and reorganize .gitignore
- AIRFLOW-960 Add .editorconfig file
- [AIRFLOW-931] Do not set QUEUED in TaskInstances
- [AIRFLOW-956] Get docs working on readthedocs.org
- [AIRFLOW-954] Fix configparser ImportError
- [AIRFLOW-941] Use defined parameters for psycpg2
- [AIRFLOW-943] Update Digital First Media in users list
- [AIRFLOW-942] Add mytaxi to Airflow users
- [AIRFLOW-939] add .swp to gitignore
- [AIRFLOW-719] Prevent DAGs from ending prematurely
- [AIRFLOW-938] Use test for True in task_stats queries
- [AIRFLOW-937] Improve performance of task_stats
- [AIRFLOW-933] use ast.literal_eval rather eval because ast.literal_eval does not execute input.
- [AIRFLOW-925] Revert airflow.hooks change that cherry-pick picked
- [AIRFLOW-919] Running tasks with no start date should not break a DAGs UI
- [AIRFLOW-802][AIRFLOW-1] Add spark-submit operator/hook
- [AIRFLOW-725] Use keyring to store credentials for JIRA
- [AIRFLOW-916] Remove deprecated readfp function
- [AIRFLOW-911] Add coloring and timing to tests
- [AIRFLOW-906] Update Code icon from lightning bolt to file
- [AIRFLOW-897] Prevent dagruns from failing with unfinished tasks
- [AIRFLOW-896] Remove unicode to 8-bit conversion in BigQueryOperator
- [AIRFLOW-899] Tasks in SCHEDULED state should be white in the UI instead of black
- [AIRFLOW-895] Address Apache release incompliancies
- [AIRFLOW-893][AIRFLOW-510] Fix crashing webserver when a dagrun has no start date
- [AIRFLOW-880] Make webserver serve logs in a sane way for remote logs
- [AIRFLOW-889] Fix minor error in the docstrings for BaseOperator
- [AIRFLOW-809][AIRFLOW-1] Use __eq__ ColumnOperator When Testing Booleans
- [AIRFLOW-875] Add template to HttpSensor params
- [AIRFLOW-866] Add FTPSensor
- [AIRFLOW-881] Check if SubDagOperator is in DAG context manager
- [AIRFLOW-885] Add change.org to the users list
- [AIRFLOW-836] Use POST and CSRF for state changing endpoints
- [AIRFLOW-862] Fix Unit Tests for DaskExecutor
- [AIRFLOW-887] Support future v0.16
- [AIRFLOW-886] Pass result to post_execute() hook
- [AIRFLOW-871] change logging.warn() into warning()
- [AIRFLOW-882] Remove unnecessary dag>>op assignment in docs
- [AIRFLOW-861] make pickle_info endpoint be login_required
- [AIRFLOW-869] Refactor mark success functionality
- [AIRFLOW-877] Remove .sql template extension from GCS download operator

- [AIRFLOW-826] Add Zendesk hook
- [AIRFLOW-842] do not query the DB with an empty IN clause
- [AIRFLOW-834] change raise StopIteration into return
- [AIRFLOW-832] Let debug server run without SSL
- [AIRFLOW-862] Add DaskExecutor
- [AIRFLOW-858] Configurable database name for DB operators
- [AIRFLOW-863] Example DAGs should have recent start dates
- [AIRFLOW-853] use utf8 encoding for stdout line decode
- [AIRFLOW-857] Use library assert statements instead of conditionals
- [AIRFLOW-856] Make sure execution date is set for local client
- [AIRFLOW-854] Add OKI as Airflow user
- [AIRFLOW-830][AIRFLOW-829][AIRFLOW-88] Reduce Travis log verbosity
- [AIRFLOW-814] Fix Presto*CheckOperator.__init__
- [AIRFLOW-793] Enable compressed loading in S3ToHiveTransfer
- [AIRFLOW-844] Fix cgroups directory creation
- [AIRFLOW-831] Restore import to fix broken tests
- [AIRFLOW-794] Access DAGS_FOLDER and SQL_ALCHEMY_CONN exclusively from settings
- [AIRFLOW-694] Fix config behaviour for empty envvar
- [AIRFLOW-365] Set dag.fileloc explicitly and use for Code view
- [AIRFLOW-781] Allow DataFlowOperators to accept jobs stored in GCS

Airflow 1.8.2, 2017-09-04

- [AIRFLOW-809][AIRFLOW-1] Use __eq__ ColumnOperator When Testing Booleans
- [AIRFLOW-1296] Propagate SKIPPED to all downstream tasks
- Re-enable caching for hadoop components
- Pin Hive and Hadoop to a specific version and create writable warehouse dir
- [AIRFLOW-1308] Disable nanny usage for Dask
- Updating CHANGELOG for 1.8.2rc1
- [AIRFLOW-1294] Backfills can loose tasks to execute
- [AIRFLOW-1291] Update NOTICE and LICENSE files to match ASF requirements
- [AIRFLOW-XXX] Set version to 1.8.2rc1
- [AIRFLOW-1160] Update Spark parameters for Mesos
- [AIRFLOW 1149][AIRFLOW-1149] Allow for custom filters in Jinja2 templates
- [AIRFLOW-1119] Fix unload query so headers are on first row[]
- [AIRFLOW-1089] Add Spark application arguments
- [AIRFLOW-1078] Fix latest_runs endpoint for old flask versions
- [AIRFLOW-1074] Don't count queued tasks for concurrency limits
- [AIRFLOW-1064] Change default sort to job_id for TaskInstanceModelView
- [AIRFLOW-1038] Specify celery serialization options explicitly
- [AIRFLOW-1036] Randomize exponential backoff
- [AIRFLOW-993] Update date inference logic
- [AIRFLOW-1167] Support microseconds in FTPHook modification time
- [AIRFLOW-1179] Fix Pandas 0.2x breaking Google BigQuery change
- [AIRFLOW-1263] Dynamic height for charts
- [AIRFLOW-1266] Increase width of gantt y axis
- [AIRFLOW-1290] set docs author to 'Apache Airflow'
- [AIRFLOW-1282] Fix known event column sorting
- [AIRFLOW-1166] Speed up _change_state_for_tis_without_dagrun
- [AIRFLOW-1192] Some enhancements to qubole_operator
- [AIRFLOW-1281] Sort variables by key field by default
- [AIRFLOW-1244] Forbid creation of a pool with empty name
- [AIRFLOW-1243] DAGs table has no default entries to show
- [AIRFLOW-1227] Remove empty column on the Logs view
- [AIRFLOW-1226] Remove empty column on the Jobs view
- [AIRFLOW-1199] Fix create modal
- [AIRFLOW-1200] Forbid creation of a variable with an empty key
- [AIRFLOW-1186] Sort dag.get_task_instances by execution_date
- [AIRFLOW-1145] Fix closest_date_partition function with before set to True If we're looking for the closest date before, we should take the latest date in the list of date before.
- [AIRFLOW-1180] Fix flask-wtf version for test_csrf_rejection
- [AIRFLOW-1170] DbApiHook insert_rows inserts parameters separately
- [AIRFLOW-1150] Fix scripts execution in sparksql hook[]
- [AIRFLOW-1168] Add closing() to all connections and cursors

- [AIRFLOW-XXX] Updating CHANGELOG, README, and UPDATING after 1.8.1 release

Airflow 1.8.1, 2017-05-09

- [AIRFLOW-1142] SubDAG Tasks Not Executed Even Though All Dependencies Met
- [AIRFLOW-1138] Add licenses to files in scripts directory
- [AIRFLOW-1127] Move license notices to LICENSE instead of NOTICE
- [AIRFLOW-1124] Do not set all task instances to scheduled on backfill
- [AIRFLOW-1120] Update version view to include Apache prefix
- [AIRFLOW-1062] DagRun#find returns wrong result if external_trigger=False is specified
- [AIRFLOW-1054] Fix broken import on test_dag
- [AIRFLOW-1050] Retries ignored - regression
- [AIRFLOW-1033] TypeError: can't compare datetime.datetime to None
- [AIRFLOW-1017] get_task_instance should return None instead of throw an exception for non-existent TIs
- [AIRFLOW-1011] Fix bug in BackfillJob._execute() for SubDAGs
- [AIRFLOW-1004] *airflow webserver -D* runs in foreground
- [AIRFLOW-1001] Landing Time shows "unsupported operand type(s) for -: 'datetime.datetime' and NoneType" on example_subdag_operator
- [AIRFLOW-1000] Rebrand to Apache Airflow instead of Airflow
- [AIRFLOW-989] Clear Task Regression
- [AIRFLOW-974] airflow.util.file mkdir has a race condition
- [AIRFLOW-906] Update Code icon from lightning bolt to file
- [AIRFLOW-858] Configurable database name for DB operators
- [AIRFLOW-853] ssh_execute_operator.py stdout decode default to ASCII
- [AIRFLOW-832] Fix debug server
- [AIRFLOW-817] Trigger dag fails when using CLI + API
- [AIRFLOW-816] Make sure to pull nvd3 from local resources
- [AIRFLOW-815] Add previous/next execution dates to available default variables.
- [AIRFLOW-813] Fix unterminated unit tests in tests.job (tests/job.py)
- [AIRFLOW-812] Scheduler job terminates when there is no dag file
- [AIRFLOW-806] UI should properly ignore DAG doc when it is None
- [AIRFLOW-794] Consistent access to DAGS_FOLDER and SQL_ALCHEMY_CONN
- [AIRFLOW-785] ImportError if cgroupspy is not installed
- [AIRFLOW-784] Cannot install with **funcsigs** > 1.0.0
- [AIRFLOW-780] The UI no longer shows broken DAGs
- [AIRFLOW-777] dag_is_running is initialized to True instead of False
- [AIRFLOW-719] Skipped operations make DAG finish prematurely
- [AIRFLOW-694] Empty env vars do not overwrite non-empty config values
- [AIRFLOW-492] Insert into dag_stats table results into failed task while task itself succeeded
- [AIRFLOW-139] Executing VACUUM with PostgresOperator
- [AIRFLOW-111] DAG concurrency is not honored
- [AIRFLOW-88] Improve clarity Travis CI reports

Airflow 1.8.0, 2017-03-12

- [AIRFLOW-900] Double trigger should not kill original task instance
- [AIRFLOW-900] Fixes bugs in LocalTaskJob for double run protection
- [AIRFLOW-932] Do not mark tasks removed when backfilling
- [AIRFLOW-961] run onkill when SIGTERMd
- [AIRFLOW-910] Use parallel task execution for backfills
- [AIRFLOW-967] Wrap strings in native for py2 ldap compatibility
- [AIRFLOW-941] Use defined parameters for pycpg2
- [AIRFLOW-719] Prevent DAGs from ending prematurely
- [AIRFLOW-938] Use test for True in task_stats queries
- [AIRFLOW-937] Improve performance of task_stats
- [AIRFLOW-933] use ast.literal_eval rather eval because ast.literal_eval does not execute input.
- [AIRFLOW-925] Revert airflow.hooks change that cherry-pick picked
- [AIRFLOW-919] Running tasks with no start date should not break a DAGs UI
- [AIRFLOW-802] Add spark-submit operator/hook
- [AIRFLOW-897] Prevent dagruns from failing with unfinished tasks
- [AIRFLOW-861] make pickle_info endpoint be login_required
- [AIRFLOW-853] use utf8 encoding for stdout line decode
- [AIRFLOW-856] Make sure execution date is set for local client
- [AIRFLOW-830][AIRFLOW-829][AIRFLOW-88] Reduce Travis log verbosity
- [AIRFLOW-831] Restore import to fix broken tests

- [AIRFLOW-794] Access DAGS_FOLDER and SQL_ALCHEMY_CONN exclusively from settings
- [AIRFLOW-694] Fix config behaviour for empty envvar
- [AIRFLOW-365] Set dag.fileloc explicitly and use for Code view
- [AIRFLOW-931] Do not set QUEUED in TaskInstances
- [AIRFLOW-899] Tasks in SCHEDULED state should be white in the UI instead of black
- [AIRFLOW-895] Address Apache release incomplicancies
- [AIRFLOW-893][AIRFLOW-510] Fix crashing webserver when a dagrun has no start date
- [AIRFLOW-793] Enable compressed loading in S3ToHiveTransfer
- [AIRFLOW-863] Example DAGs should have recent start dates
- [AIRFLOW-869] Refactor mark success functionality
- [AIRFLOW-856] Make sure execution date is set for local client
- [AIRFLOW-814] Fix Presto*CheckOperator.__init__
- [AIRFLOW-844] Fix cgroups directory creation
- [AIRFLOW-816] Use static nvd3 and d3
- [AIRFLOW-821] Fix py3 compatibility
- [AIRFLOW-817] Check for None value of execution_date in endpoint
- [AIRFLOW-822] Close db before exception
- [AIRFLOW-815] Add prev/next execution dates to template variables
- [AIRFLOW-813] Fix unterminated unit tests in SchedulerJobTest
- [AIRFLOW-813] Fix unterminated scheduler unit tests
- [AIRFLOW-806] UI should properly ignore DAG doc when it is None
- [AIRFLOW-812] Fix the scheduler termination bug.
- [AIRFLOW-780] Fix dag import errors no longer working
- [AIRFLOW-783] Fix py3 incompatibility in BaseTaskRunner
- [AIRFLOW-810] Correct down_revision dag_id/state index creation
- [AIRFLOW-807] Improve scheduler performance for large DAGs
- [AIRFLOW-798] Check return_code before forcing termination
- [AIRFLOW-139] Let psycogp2 handle autocommit for PostgresHook
- [AIRFLOW-776] Add missing cgroups devel dependency
- [AIRFLOW-777] Fix expression to check if a DagRun is in running state
- [AIRFLOW-785] Don't import CgroupTaskRunner at global scope
- [AIRFLOW-784] Pin `funcsigs` to 1.0.0
- [AIRFLOW-624] Fix setup.py to not import airflow.version as version
- [AIRFLOW-779] Task should fail with specific message when deleted
- [AIRFLOW-778] Fix completely broken MetastorePartitionSensor
- [AIRFLOW-739] Set pickle_info log to debug
- [AIRFLOW-771] Make S3 logs append instead of clobber
- [AIRFLOW-773] Fix flaky datetime addition in api test
- [AIRFLOW-219][AIRFLOW-398] Cgroups + impersonation
- [AIRFLOW-683] Add jira hook, operator and sensor
- [AIRFLOW-762] Add Google DataProc delete operator
- [AIRFLOW-760] Update systemd config
- [AIRFLOW-759] Use previous dag_run to verify depend_on_past
- [AIRFLOW-757] Set child_process_log_directory default more sensible
- [AIRFLOW-692] Open XCom page to super-admins only
- [AIRFLOW-737] Fix HDFS Sensor directory.
- [AIRFLOW-747] Fix retry_delay not honoured
- [AIRFLOW-558] Add Support for dag.catchup=(True|False) Option
- [AIRFLOW-489] Allow specifying execution date in trigger_dag API
- [AIRFLOW-738] Commit deleted xcom items before insert
- [AIRFLOW-729] Add Google Cloud Dataproc cluster creation operator
- [AIRFLOW-728] Add Google BigQuery table sensor
- [AIRFLOW-741] Log to debug instead of info for app.py
- [AIRFLOW-731] Fix period bug for NamedHivePartitionSensor
- [AIRFLOW-740] Pin jinja2 to < 2.9.0
- [AIRFLOW-663] Improve time units for task performance charts
- [AIRFLOW-665] Fix email attachments
- [AIRFLOW-734] Fix SMTP auth regression when not using user/pass
- [AIRFLOW-702] Fix LDAP Regex Bug
- [AIRFLOW-717] Add Cloud Storage updated sensor
- [AIRFLOW-695] Retries do not execute because dagrun is in FAILED state
- [AIRFLOW-673] Add operational metrics test for SchedulerJob
- [AIRFLOW-727] try_number is not increased
- [AIRFLOW-715] A more efficient HDFS Sensor:
- [AIRFLOW-716] Allow AVRO BigQuery load-job without schema

- [AIRFLOW-718] Allow the query URI for DataProc Pig
- Log needs to be part of try/catch block
- [AIRFLOW-721] Descendant process can disappear before termination
- [AIRFLOW-403] Bash operator's kill method leaves underlying processes running
- [AIRFLOW-657] Add AutoCommit Parameter for MSSQL
- [AIRFLOW-641] Improve pull request instructions
- [AIRFLOW-685] Add test for MySQLHook.bulk_load()
- [AIRFLOW-686] Match auth backend config section
- [AIRFLOW-691] Add SSH KeepAlive option to SSH_hook
- [AIRFLOW-709] Use same engine for migrations and reflection
- [AIRFLOW-700] Update to reference to web authentication documentation
- [AIRFLOW-649] Support non-sched DAGs in LatestOnlyOp
- [AIRFLOW-712] Fix AIRFLOW-667 to use proper HTTP error properties
- [AIRFLOW-710] Add OneFineStay as official user
- [AIRFLOW-703][AIRFLOW-1] Stop Xcom being cleared too early
- [AIRFLOW-679] Stop concurrent task instances from running
- [AIRFLOW-704][AIRFLOW-1] Fix invalid syntax in BQ hook
- [AIRFLOW-667] Handle BigQuery 503 error
- [AIRFLOW-680] Disable connection pool for commands
- [AIRFLOW-678] Prevent scheduler from double triggering TIs
- [AIRFLOW-677] Kill task if it fails to heartbeat
- [AIRFLOW-674] Ability to add descriptions for DAGs
- [AIRFLOW-682] Bump MAX_PERIODS to make mark_success work for large DAGs
- Use jdk selector to set required jdk
- [AIRFLOW-647] Restore dag.get_active_runs
- [AIRFLOW-662] Change seasons to months in project description
- [AIRFLOW-656] Add dag/task/date index to xcom table
- [AIRFLOW-658] Improve schema_update_options in GCP
- [AIRFLOW-41] Fix pool oversubscription
- [AIRFLOW-489] Add API Framework
- [AIRFLOW-653] Add some missing endpoint tests
- [AIRFLOW-652] Remove obsolete endpoint
- [AIRFLOW-345] Add contrib ECSOperator
- [AIRFLOW-650] Adding Celect to user list
- [AIRFLOW-510] Filter Paused Dags, show Last Run & Trigger Dag
- [AIRFLOW-643] Improve date handling for sf_hook
- [AIRFLOW-638] Add schema_update_options to GCP ops
- [AIRFLOW-640] Install and enable nose-ignore-docstring
- [AIRFLOW-639]AIRFLOW-639] Alphasort package names
- [AIRFLOW-375] Fix pylint errors
- [AIRFLOW-347] Show empty DAG runs in tree view
- [AIRFLOW-628] Adding SalesforceHook to contrib/hooks
- [AIRFLOW-514] hive hook loads data from pandas DataFrame into hive and infers types
- [AIRFLOW-565] Fixes DockerOperator on Python3.x
- [AIRFLOW-635] Encryption option for S3 hook
- [AIRFLOW-137] Fix max_active_runs on clearing tasks
- [AIRFLOW-343] Fix schema plumbing in HiveServer2Hook
- [AIRFLOW-130] Fix ssh operator macosx
- [AIRFLOW-633] Show TI attributes in TI view
- [AIRFLOW-626][AIRFLOW-1] HTML Content does not show up when sending email with attachment
- [AIRFLOW-533] Set autocommit via set_autocommit
- [AIRFLOW-629] stop pinning lxml
- [AIRFLOW-464] Add setdefault method to Variable
- [AIRFLOW-626][AIRFLOW-1] HTML Content does not show up when sending email with attachment
- [AIRFLOW-591] Add datadog hook & sensor
- [AIRFLOW-561] Add RedshiftToS3Transfer operator
- [AIRFLOW-570] Pass root to date form on gantt
- [AIRFLOW-504] Store fractional seconds in MySQL tables
- [AIRFLOW-623] LDAP attributes not always a list
- [AIRFLOW-611] source_format in BigQueryBaseCursor
- [AIRFLOW-619] Fix exception in Gantt chart
- [AIRFLOW-618] Cast DateTimes to avoid sqlite errors
- [AIRFLOW-422] Add JSON endpoint for task info
- [AIRFLOW-616][AIRFLOW-617] Minor fixes to PR tool UX

- [AIRFLOW-179] Fix DbApiHook with non-ASCII chars
- [AIRFLOW-566] Add timeout while fetching logs
- [AIRFLOW-615] Set graph glyphicon first
- [AIRFLOW-609] Add application_name to PostgresHook
- [AIRFLOW-604] Revert .first() to .one()
- [AIRFLOW-370] Create AirflowConfigException in exceptions.py
- [AIRFLOW-582] Fixes Tl.get_dagrun filter (removes start_date)
- [AIRFLOW-568] Fix double task_stats count if a DagRun is active
- [AIRFLOW-585] Fix race condition in backfill execution loop
- [AIRFLOW-580] Prevent landscape warning on .format
- [AIRFLOW-597] Check if content is None, not false-equivalent
- [AIRFLOW-586] test_dag_v1 fails from 0 to 3 a.m.
- [AIRFLOW-453] Add XCom Admin Page
- [AIRFLOW-588] Add Google Cloud Storage Object sensor[]
- [AIRFLOW-592] example_xcom import Error
- [AIRFLOW-587] Fix incorrect scope for Google Auth[]
- [AIRFLOW-589] Add templatable job_name[]
- [AIRFLOW-227] Show running config in config view
- [AIRFLOW-319]AIRFLOW-319] xcom push response in HTTP Operator
- [AIRFLOW-385] Add symlink to latest scheduler log directory
- [AIRFLOW-583] Fix decode error in gcs_to_bq
- [AIRFLOW-96] s3_conn_id using environment variable
- [AIRFLOW-575] Clarify tutorial and FAQ about *schedule_interval* always inheriting from DAG object
- [AIRFLOW-577] Output BigQuery job for improved debugging
- [AIRFLOW-560] Get URI & SQLA engine from Connection
- [AIRFLOW-518] Require DataProfilingMixin for Variables CRUD
- [AIRFLOW-553] Fix load path for filters.js
- [AIRFLOW-554] Add Jinja support to Spark-sql
- [AIRFLOW-550] Make ssl config check empty string safe
- [AIRFLOW-500] Use id for github allowed teams
- [AIRFLOW-556] Add UI PR guidelines
- [AIRFLOW-358][AIRFLOW-430] Add *connections* cli
- [AIRFLOW-548] Load DAGs immediately & continually
- [AIRFLOW-539] Updated BQ hook and BQ operator to support Standard SQL.
- [AIRFLOW-378] Add string casting to params of spark-sql operator
- [AIRFLOW-544] Add Pause/Resume toggle button
- [AIRFLOW-333][AIRFLOW-258] Fix non-module plugin components
- [AIRFLOW-542] Add tooltip to DAGs links icons
- [AIRFLOW-530] Update docs to reflect connection environment var has to be in uppercase
- [AIRFLOW-525] Update template_fields in Qubole Op
- [AIRFLOW-480] Support binary file download from GCS
- [AIRFLOW-198] Implement latest_only_operator
- [AIRFLOW-91] Add SSL config option for the webserver
- [AIRFLOW-191] Fix connection leak with PostgreSQL backend
- [AIRFLOW-512] Fix 'bellow' typo in docs & comments
- [AIRFLOW-509][AIRFLOW-1] Create operator to delete tables in BigQuery
- [AIRFLOW-498] Remove hard-coded gcp project id
- [AIRFLOW-505] Support unicode characters in authors' names
- [AIRFLOW-494] Add per-operator success/failure metrics
- [AIRFLOW-488] Fix test_simple fail
- [AIRFLOW-468] Update Panda requirement to 0.17.1
- [AIRFLOW-159] Add cloud integration section + GCP documentation
- [AIRFLOW-477][AIRFLOW-478] Restructure security section for clarity
- [AIRFLOW-467] Allow defining of project_id in BigQueryHook
- [AIRFLOW-483] Change print to logging statement
- [AIRFLOW-475] make the segment granularity in Druid hook configurable

Airflow 1.7.2

- [AIRFLOW-463] Link Airflow icon to landing page
- [AIRFLOW-149] Task Dependency Engine + Why Isn't My Task Running View
- [AIRFLOW-361] Add default failure handler for the Qubole Operator
- [AIRFLOW-353] Fix dag run status update failure
- [AIRFLOW-447] Store source URIs in Python 3 compatible list

- [AIRFLOW-443] Make module names unique when importing
- [AIRFLOW-444] Add Google authentication backend
- [AIRFLOW-446][AIRFLOW-445] Adds missing dataproc submit options
- [AIRFLOW-431] Add CLI for CRUD operations on pools
- [AIRFLOW-329] Update Dag Overview Page with Better Status Columns
- [AIRFLOW-360] Fix style warnings in models.py
- [AIRFLOW-425] Add white fill for null state tasks in tree view.
- [AIRFLOW-69] Use dag runs in backfill jobs
- [AIRFLOW-415] Make dag_id not found error clearer
- [AIRFLOW-416] Use ordinals in README's company list
- [AIRFLOW-369] Allow setting default DAG orientation
- [AIRFLOW-410] Add 2 Q/A to the FAQ in the docs
- [AIRFLOW-407] Add different colors for some sensors
- [AIRFLOW-414] Improve error message for missing FERNET_KEY
- [AIRFLOW-406] Sphinx/rst fixes
- [AIRFLOW-412] Fix lxml dependency
- [AIRFLOW-413] Fix unset path bug when backfilling via pickle
- [AIRFLOW-78] Airflow clear leaves dag_runs
- [AIRFLOW-402] Remove NamedHivePartitionSensor static check, add docs
- [AIRFLOW-394] Add an option to the Task Duration graph to show cumulative times
- [AIRFLOW-404] Retry download if unpacking fails for hive
- [AIRFLOW-276] Unicorn rolling restart
- [AIRFLOW-399] Remove dags/testdruidd.py
- [AIRFLOW-400] models.py/DAG.set_dag_runs_state() does not correctly set state
- [AIRFLOW-395] Fix colon/equal signs typo for resources in default config
- [AIRFLOW-397] Documentation: Fix typo in the word "instantiating"
- [AIRFLOW-395] Remove trailing commas from resources in config
- [AIRFLOW-388] Add a new chart for Task_Tries for each DAG
- [AIRFLOW-322] Fix typo in FAQ section
- [AIRFLOW-375] Pylint fixes
- limit scope to user email only AIRFLOW-386
- [AIRFLOW-383] Cleanup example qubole operator dag
- [AIRFLOW-160] Parse DAG files through child processes
- [AIRFLOW-381] Manual UI Dag Run creation: require dag_id field
- [AIRFLOW-373] Enhance CLI variables functionality
- [AIRFLOW-379] Enhance Variables page functionality: import/export variables
- [AIRFLOW-331] modify the LDAP authentication config lines in 'Security' sample codes
- [AIRFLOW-356][AIRFLOW-355][AIRFLOW-354] Replace nobr, enable DAG only exists locally message, change edit DAG icon
- [AIRFLOW-362] Import __future__ division
- [AIRFLOW-359] Pin flask-login to 0.2.11
- [AIRFLOW-261] Add bcc and cc fields to EmailOperator
- [AIRFLOW-348] Fix code style warnings
- [AIRFLOW-349] Add metric for number of zombies killed
- [AIRFLOW-340] Remove unused dependency on Babel
- [AIRFLOW-339]: Ability to pass a flower conf file
- [AIRFLOW-341][operators] Add resource requirement attributes to operators
- [AIRFLOW-335] Fix simple style errors/warnings
- [AIRFLOW-337] Add __repr__ to VariableAccessor and VariableJsonAccessor
- [AIRFLOW-334] Fix using undefined variable
- [AIRFLOW-315] Fix blank lines code style warnings
- [AIRFLOW-306] Add Spark-sql Hook and Operator
- [AIRFLOW-327] Add rename method to the FTPHook
- [AIRFLOW-321] Fix a wrong code example about tests/dags
- [AIRFLOW-316] Always check DB state for Backfill Job execution
- [AIRFLOW-264] Adding workload management for Hive
- [AIRFLOW-297] support exponential backoff option for retry delay
- [AIRFLOW-31][AIRFLOW-200] Add note to updating.md
- [AIRFLOW-307] There is no __neq__ python magic method.
- [AIRFLOW-309] Add requirements of develop dependencies to docs
- [AIRFLOW-307] Rename __neq__ to __ne__ python magic method.
- [AIRFLOW-313] Fix code style for sqoop_hook.py
- [AIRFLOW-311] Fix wrong path in CONTRIBUTING.md
- [AIRFLOW-24] DataFlow Java Operator
- [AIRFLOW-308] Add link to refresh DAG within DAG view header
- [AIRFLOW-314] Fix BigQuery cursor run_table_upsert method

- [AIRFLOW-298] fix incubator disclaimer in docs
- [AIRFLOW-284] HiveServer2Hook fix for cursor scope for get_results
- [AIRFLOW-260] More graceful exit when issues can't be closed
- [AIRFLOW-260] Handle case when no version is found
- [AIRFLOW-228] Handle empty version list in PR tool
- [AIRFLOW-302] Improve default squash commit message
- [AIRFLOW-187] Improve prompt styling
- [AIRFLOW-187] Fix typo in argument name
- [AIRFLOW-187] Move "Close XXX" message to end of squash commit
- [AIRFLOW-247] Add EMR hook, operators and sensors. Add AWS base hook
- [AIRFLOW-301] Fix broken unit test
- [AIRFLOW-100] Add execution_date_fn to ExternalTaskSensor
- [AIRFLOW-282] Remove PR Tool logic that depends on version formatting
- [AIRFLOW-291] Add index for state in TI table
- [AIRFLOW-269] Add some unit tests for PostgreSQL
- [AIRFLOW-296] template_ext is being treated as a string rather than a tuple in qubole operator
- [AIRFLOW-286] Improve FTPHook to implement context manager interface
- [AIRFLOW-243] Create NamedHivePartitionSensor
- [AIRFLOW-246] Improve dag_stats endpoint query
- [AIRFLOW-189] Highlighting of Parent/Child nodes in Graphs
- [AIRFLOW-255] Check dagrun timeout when comparing active runs
- [AIRFLOW-281] Add port to mssql_hook
- [AIRFLOW-285] Use Airflow 2.0 style imports for all remaining hooks/operators
- [AIRFLOW-40] Add LDAP group filtering feature.
- [AIRFLOW-277] Multiple deletions does not work in Task Instances view if using SQLite backend
- [AIRFLOW-200] Make hook/operator imports lazy, and print proper exceptions
- [AIRFLOW-283] Make store_to_xcom_key a templated field in GoogleCloudStorageDownloadOperator
- [AIRFLOW-278] Support utf-8 encoding for SQL
- [AIRFLOW-280] clean up tmp druid table no matter if an ingestion job succeeds or not
- [AIRFLOW-274] Add XCom functionality to GoogleCloudStorageDownloadOperator
- [AIRFLOW-273] Create an svg version of the airflow logo.
- [AIRFLOW-275] Update contributing guidelines
- [AIRFLOW-244] Modify hive operator to inject analysis data
- [AIRFLOW-162] Allow variable to be accessible into templates
- [AIRFLOW-248] Add Apache license header to all files
- [AIRFLOW-263] Remove temp backtick file
- [AIRFLOW-252] Raise Sqlite exceptions when deleting tasks instance in WebUI
- [AIRFLOW-180] Fix timeout behavior for sensors
- [AIRFLOW-262] Simplify commands in MANIFEST.in
- [AIRFLOW-31] Add zope dependency
- [AIRFLOW-6] Remove dependency on Highcharts
- [AIRFLOW-234] make task that are not *running* self-terminate
- [AIRFLOW-256] Fix test_scheduler_reschedule heartrate
- Add Python 3 compatibility fix
- [AIRFLOW-31] Use standard imports for hooks/operators
- [AIRFLOW-173] Initial implementation of FileSensor
- [AIRFLOW-224] Collect orphaned tasks and reschedule them
- [AIRFLOW-239] Fix tests indentation
- [AIRFLOW-225] Better units for task duration graph
- [AIRFLOW-241] Add testing done section to PR template
- [AIRFLOW-222] Show duration of task instances in ui
- [AIRFLOW-231] Do not eval user input in PrestoHook
- [AIRFLOW-216] Add Sqoop Hook and Operator
- [AIRFLOW-171] Add upgrade notes on email and S3 to 1.7.1.2
- [AIRFLOW-238] Make compatible with flask-admin 1.4.1
- [AIRFLOW-230] [HiveServer2Hook] adding multi statements support
- [AIRFLOW-142] setup_env.sh doesn't download hive tarball if hdp is specified as distro
- [AIRFLOW-223] Make paramettable the IP on which Flower binds to
- [AIRFLOW-218] Added option to enable webserver gunicorn access/err logs
- [AIRFLOW-213] Add "Closes #X" phrase to commit messages
- [AIRFLOW-68] Align start_date with the schedule_interval
- [AIRFLOW-9] Improving docs to meet Apache's standards
- [AIRFLOW-131] Make XCom.clear more selective
- [AIRFLOW-214] Fix occasion of detached taskinstance

- [AIRFLOW-206] Add commit to close PR
- [AIRFLOW-206] Always load local log files if they exist
- [AIRFLOW-211] Fix JIRA "resolve" vs "close" behavior
- [AIRFLOW-64] Add note about relative DAGS_FOLDER
- [AIRFLOW-114] Sort plugins dropdown
- [AIRFLOW-209] Add scheduler tests and improve lineage handling
- [AIRFLOW-207] Improve JIRA auth workflow
- [AIRFLOW-187] Improve PR tool UX
- [AIRFLOW-155] Documentation of Qubole Operator
- Optimize and refactor process_dag
- [AIRFLOW-185] Handle empty versions list
- [AIRFLOW-201] Fix for HiveMetastoreHook + kerberos
- [AIRFLOW-202]: Fixes stray print line
- [AIRFLOW-196] Fix bug that exception is not handled in HttpSensor
- [AIRFLOW-195]: Add toggle support to subdag clearing in the CLI
- [AIRFLOW-23] Support for Google Cloud DataProc
- [AIRFLOW-25] Configuration for Celery always required
- [AIRFLOW-190] Add codecov and remove download count
- [AIRFLOW-168] Correct evaluation of @once schedule
- [AIRFLOW-183] Fetch log from remote when worker returns 4xx/5xx response
- [AIRFLOW-181] Fix failing unpacking of hadoop by redownloading
- [AIRFLOW-176] remove unused formatting key
- [AIRFLOW-167]: Add dag_state option in cli
- [AIRFLOW-178] Fix bug so that zip file is detected in DAG folder
- [AIRFLOW-176] Improve PR Tool JIRA workflow
- AIRFLOW-45: Support Hidden Airflow Variables
- [AIRFLOW-175] Run git-reset before checkout in PR tool
- [AIRFLOW-157] Make PR tool Py3-compatible; add JIRA command
- [AIRFLOW-170] Add missing @apply_defaults

Airflow 1.7.1, 2016-05-19

- Fix : Don't treat premature tasks as could_not_run tasks
- AIRFLOW-92 Avoid unneeded upstream_failed session closes apache/airflow#1485
- Add logic to lock DB and avoid race condition
- Handle queued tasks from multiple jobs/executors
- AIRFLOW-52 Warn about overwriting tasks in a DAG
- Fix corner case with joining processes/queues (#1473)
- [AIRFLOW-52] Fix bottlenecks when working with many tasks
- Add columns to toggle extra detail in the connection list view.
- Log the number of errors when importing DAGs
- Log dagbag metrics duplicate messages in queue into Statsd (#1406)
- Clean up issue template (#1419)
- correct missed arg.foreground to arg.daemon in cli
- Reinstate imports for github enterprise auth
- Use os.execvp instead of subprocess.Popen for the webserver
- Revert from using "--foreground" to "--daemon"
- Implement a Cloudant hook
- Add missing args to *airflow clear*
- Fixed a bug in the scheduler: num_runs used where runs intended
- Add multiprocessing support to the scheduler
- Partial fix to make sure next_run_date cannot be None
- Support list/get/set variables in the CLI
- Properly handle BigQuery booleans in BigQuery hook.
- Added the ability to view XCom variables in webserver
- Change DAG.tasks from a list to a dict
- Add support for zipped dags
- Stop creating hook on instantiating of S3 operator
- User subquery in views to find running DAGs
- Prevent DAGs from being reloaded on every scheduler iteration
- Add a missing word to docs
- Document the parameters of *DbApiHook*
- added oracle operator with existing oracle hook
- Add PyOpenSSL to Google cloud gcp_api.

- Remove executor error unit test
- Add DAG inference, deferral, and context manager
- Don't return error when writing files to Google cloud storage.
- Fix GCS logging for gcp_api.
- Ensure attr is in scope for error message
- Fixing misnamed PULL_REQUEST_TEMPLATE
- Extract non_pooled_task_slot_count into a configuration param
- Update plugins.rst for clarity on the example (#1309)
- Fix s3 logging issue
- Add twitter feed example dag
- GitHub ISSUE_TEMPLATE & PR_TEMPLATE cleanup
- Reduce logger verbosity
- Adding a PR Template
- Add Lucid to list of users
- Fix usage of asciiart
- Use session instead of outdated main_session for are_dependencies_met
- Fix celery flower port allocation
- Fix for missing edit actions due to flask-admin upgrade
- Fix typo in comment in prioritize_queued method
- Add HipchatOperator
- Include all example dags in backfill unit test
- Make sure skipped jobs are actually skipped
- Fixing a broken example dag, example_skip_dag.py
- Add consistent and thorough signal handling and logging
- Allow Operators to specify SKIPPED status internally
- Update docstring for executor trap unit test
- Doc: explain the usage of Jinja templating for templated params
- Don't schedule runs before the DAG's start_date
- Fix infinite retries with pools, with test
- Fix handling of deadlocked jobs
- Show only Airflow's deprecation warnings
- Set DAG_FOLDER for unit tests
- Missing comma in setup.py
- Deprecate args and kwargs in BaseOperator
- Raise deep scheduler exceptions to force a process restart.
- Change inconsistent example DAG owners
- Fix module path of send_email_smtp in configuration
- added Gentner Lab to list of users
- Increase timeout time for unit test
- Fix reading strings from conf
- CHORE - Remove Trailing Spaces
- Fix SSHExecuteOperator crash when using a custom ssh port
- Add note about airflow components to template
- Rewrite BackfillJob logic for clarity
- Add unit tests
- Fix miscellaneous bugs and clean up code
- Fix logic for determining DagRun states
- Make SchedulerJob not run EVERY queued task
- Improve BackfillJob handling of queued/deadlocked tasks
- Introduce ignore_depends_on_past parameters
- Use Popen with CeleryExecutor
- Rename user table to users to avoid conflict with postgres
- Beware of negative pool slots.
- Add support for calling_format from boto to S3_Hook
- Add PyPI meta data and sync version number
- Set dags_are_paused_at_creation's default value to True
- Resurface S3Log class eaten by rebase/push -f
- Add missing session.commit() at end of initdb
- Validate that subdag tasks have pool slots available, and test
- Use urlparse for remote GCS logs, and add unit tests
- Make webserver worker timeout configurable
- Fixed scheduling for @once interval
- Use psycopg2's API for serializing postgres cell values
- Make the provide_session decorator more robust
- update link to Lyft's website

- use num_shards instead of partitions to be consistent with batch ingestion
- Add documentation links to README
- Update docs with separate configuration section
- Fix airflow.utils deprecation warning code being Python 3 incompatible
- Extract dbapi cell serialization into its own method
- Set Postgres autocommit as supported only if server version is < 7.4
- Use refactored utils module in unit test imports
- Add changelog for 1.7.0
- Use LocalExecutor on Travis if possible
- remove unused logging, ermo, MiniHiveCluster imports
- remove extra import of logging lib
- Fix required gcloud version
- Refactoring utils into smaller submodules
- Properly measure number of task retry attempts
- Add function to get configuration as dict, plus unit tests
- Merge branch 'master' into hivemeta_sasl
- Add wiki link to README.md
- [hotfix] make email.Utils > email.utils for py3
- Add the missing "Date" header to the warning e-mails
- Add the missing "Date" header to the warning e-mails
- Check name of SubDag class instead of class itself
- [hotfix] removing repo_token from .coveralls.yml
- Set the service_name in coveralls.yml
- Fixes #1223
- Update Airflow docs for remote logging
- Add unit tests for trapping Executor errors
- Make sure Executors properly trap errors
- Fix HttpOpSensorTest to use fake request session
- Linting
- Add an example on pool usage in the documentation
- Add two methods to bigquery hook's base cursor: run_table_upsert, which adds a table or updates an existing table; and run_grant_dataset_view_access, which grants view access to a given dataset for a given table.
- Tasks references upstream and downstream tasks using strings instead of references
- Fix typos in models.py
- Fix broken links in documentation
- [hotfix] fixing the Scheduler CLI to make dag_id optional
- Update link to Common Pitfalls wiki page in README
- Allow disabling periodic committing when inserting rows with DbApiHook
- added Glassdoor to "who uses airflow"
- Fix typo preventing from launching webserver
- Documentation badge
- Fixing ISSUE_TEMPLATE name to include .md suffix
- Adding an ISSUE_TEMPLATE to ensure that issues are adequately defined
- Linting & debugging
- Refactoring the CLI to be data-driven
- Updating the Bug Reporting protocol in the Contributing.md file
- Fixing the docs
- clean up references to old session
- remove session reference
- resolve conflict
- clear xcom data when task instance starts
- replace main_session with @provide_session
- Add extras to installation.rst
- Changes to Contributing to reflect more closely the current state of development.
- Modifying README to link to the wiki committer list
- docs: fixes a spelling mistake in default config
- Set killMode to 'control-group' for webservice.service
- Set KillMode to 'control-group' for worker.service
- Linting
- Fix WebHdfsSensor
- Adding more licenses to pass checks
- fixing landscape's config
- [hotfix] typo that made it in master
- [hotfix] fixing landscape requirement detection

- Make testing on hive conditional
- Merge remote-tracking branch 'upstream/master' into minicluster
- Update README.md
- Throwing in a few license to pass the build
- Adding a reqs.txt for landscape.io
- Pointing to a reqs file
- Some linting
- Adding a .landscape.yml file
- badge for PyPI version
- Add license and ignore for sql and csv
- Use correct connection id
- Use correct table name
- Provide data for ci tests
- new badge for showing staleness of reqs
- removing requirements.txt as it is uni-dimensional
- Make it work on py3
- Remove decode for logging
- Also keep py2 compatible
- More py3 fixes
- Convert to bytes for py3 compat
- Make sure to be py3 compatible
- Use unicodcsv to make it py3 compatible
- Replace tab with spaces Remove unused import
- Merge remote-tracking branch 'upstream/master'
- Support decimal types in MySQL to GCS
- Make sure to write binary as string can be unicode
- Ignore metastore
- More impyla fixes
- Test HivemetaStore if python 2
- Allow users to set hdfs_namenode_principal in HDFSHook config
- Add tests for Hiveserver2 and fix some issues from impyla
- Merge branch 'impyla' into minicluster
- This patch allows for testing of hive operators and hooks. Sasl is used (NoSasl in connection string is not possible). Tests have been adjusted.
- Treat SKIPPED and SUCCESS the same way when evaluating depends_on_past=True
- fix bigquery hook
- version cap for gcp_api
- Fix typo when returning VerticaHook
- Adding fernet key to use it as part of stdout commands
- Adding support for ssl parameters. (picking up from jthomas123)
- more detail in error message.
- make sure paths don't conflict bc of trailing /
- change gcs_hook to self.hook
- refactor remote log read/write and add GCS support
- Only use multipart upload in S3Hook if file is large enough
- Merge branch 'airbnb/master'
- Add GSSAPI SASL to HiveMetaStoreHook.
- Add warning for deprecated setting
- Use kerberos_service_name = 'hive' as standard instead of 'impala'.
- Use GSSAPI instead of KERBEROS and provide backwards compatibility
- ISSUE-1123 Use impyla instead of pyhs2
- set celery_executor to use queue name as exchange

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