decisionengine modules

Release 2.0.0

Fermi Research Alliance, LLC.

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CONTENTS

The decisionengine_modules package contains provider specific implementations of base classes provided by the decision engine framework.

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RELEASE NOTES

1.1 Release 2.0.4

This release brings a new packaging with RPM packages for dependencies and system files, and a Python wheel for the Python code. There are also new Prometheus metrics and a few bug fixes like the superfacility API and AWS and GCE billing.

1.1.1 Issues fixed in this release

-DEM 444: Add CodeQL workflow for GitHub code scanning (@lgtm-com) -DEM 445: Added CPU Metrics. (@Redjacket45) -DEM 456: Upgrading isort version to fix pre-config install error w/ poetry (@mambelli) -DEM 461: Eliminate escaping of double quotation marks to conform with NEWT API's changed behavior (@namrathaurs) -DEM 459: Disabling Python 3.6 and Fixing 3.9 Unit Tests in CI Workflow (@namrathaurs) -DEM 462: Feature/vito pandas2 updates (@vitodb) -DEM 463: Fixed Google dependency to work fine in Python 3.9 (@mambelli) -DEM 457: Making CONTINUE_IF_NO_PROXY attribute configurable (@namrathaurs) -DEM 465: Update tests (@vitodb) -DEM 472: Adding DE modules EL9 CI container based on AlmaLinux9 (@vitodb) -DEM 468: New Nersc Source Module using SuperFacilityApi (@hyunwoo18) -DEM 474: fix test_refresh_entry_token unit test (@vitodb) -DEM 473: Adding Jenkinsfile for EL9 (@vitodb) -DEM 477: Adding one line (@hyunwoo18) -DEM 481: Refactor DEConfigSource and configure_gwms_frontend (@BrunoCoimbra) -DEM 482: Components of decisionengine dashboards (@skylerfoster67) -DEM 484: Change glideclient advertisement logic (@BrunoCoimbra) -DEM 485: Fix a typo in glideids_to_advertise (@BrunoCoimbra) -DEM 487: Fix configure_gwms_frontend tests (@BrunoCoimbra) -DEM 486: Re-enable flak8 linter (@vitodb) -DEM 492: Do not test external dependencies with flake8 (@vitodb) -DEM 489: Added new metrics to job_q and source (@IlyaBaburashvili) -DEM 493: Add dem_htcondor_cores_count and dem_htcondor_cores_histogram metrics to source.py (@IlyaBaburashvili) -DEM 498: Added unit tests for dem_htcondor_slots_status_count, dem_htcondor_cores_count, dem_htcondor_memory_count. Fixed issues in source.py. (@IlyaBaburashvili) -DEM 496: New Figure of Merit Metric (@skylerfoster67) -DEM 499: Two dashboards for cores, slots, and runtimes (@IlyaBaburashvili) -DEM 503: In Jenkins pipeline config use podman instead of docker (@vitodb) -DEM 502: add new method of determining token expiration instead of relying on jwt.decode error code (@StevenCTimm) -DEM 507: Refactor time_left in security module (@BrunoCoimbra) -DEM 505: Migrating GCE Billing to BigQuery based Bill Calculations (@namrathaurs) -DEM 506: DEConfigSource converts nested dicts to OrderedDicts (@BrunoCoimbra) -DEM 510: Add retry functionality to NerscSFApi (@vitodb) -DEM 511: Packaging with uv and pyproject.toml (@mambelli) -DEM 512: Added codespell in pre-commit and fixed files to compliance (@mambelli)

1.1.2 Full list of commits since version 2.0.2

c481f85: Added codespell in pre-commit and fixed files to compliance

3bf56ab: Packaging with uv and pyproject.toml

5577e9e: [pre-commit.ci] auto fixes from pre-commit.com hooks

230627f: Add retry functionality to NerscSFApi

b820998: DEConfigSource converts nested dicts to OrderedDicts

8e78900: [pre-commit.ci] auto fixes from pre-commit.com hooks

a85edeb: migrating to using bigquery for GCE billing

c4d0bc1: Refactor time_left in security module

a42d3bd: [pre-commit.ci] auto fixes from pre-commit.com hooks

5305f59: remove the extraneous print statements

b57507b: changing the way that the NERSC SFApi access token expiration is calculated to not rely on jwt.decode() exit value

c500a73: In Jenkins pipeline config use podman instead of docker

aa975b8: Added dashboards for cores, slots, and runtimes

af1003b: New Figure of Merit Metric (#496)

fb4c3f9: Remove extra line from dep5

63adb86: Add unit tests for metrics, fix issue in source.py

4f590a6: Fixed commit history

21ac8c4: Remove include Histogram

aae8638: Remove debugging statements

b673c4a: Fix PR 489

7601451: For flake8 skip build folder

9980e3a: Make the test flake8 compliant

85e6487: Do not test external dependencies

8a07b0e: Add licence info to flake8 config file

97f6f63: Re-enable flak8 linter

a28c97d: Update test_configure_gwms_frontend.py

01c9c40: Fix configure_gwms_frontend tests

5eb2f2b: Fix a typo in glideids_to_advertise

cb19a5b: Fix glideclient advertisement logic

9c1f8e5: Added json files on Channel and Source Data dashboards with specific naming

ea00e39: Adding license information for dashboard files because JSON does not allow comments

c11a7e2: [pre-commit.ci] auto fixes from pre-commit.com hooks

92b72b6: Refactor config source for configure_gwms_frontend

02ab367: Adding one line

32d6114: Added directory for Grafana dashboards

5a5fb8b: Adding Jenkinsfile for EL9

aa59c49: required jwt functionalities are provided by PyJWT

2df1fc5: Updated documentation for 1.7.5 release

cf81d56: Last update to setup.py

8bc6d24: Last update to add KeyError

85604ef: Removed remaining hardcoded strings from the code

8117652: Implementing Marco requests in the review

1d59d49: Fixed pre-commit issues and jwt package

b107c06: New Nersc Source Module using SuperFacilityApi

e917838: Adding DE modules EL9 CI container based on AlmaLinux9

a5a2bae: Update GH actions

bdb70b0: Enable some GH actions only on DE 1.7 branch

6a22f44: Update runtime and devel python module versions in setup.py

842fdc9: CONTINUE_IF_NO_PROXY True by default

8906538: added changes to make CONTINUE_IF_NO_PROXY configurable

5a7bc0d: Fixed Google dependency to work fine in Python 3.9. Install via PIP succeeds

d315736: With pandas 2.x DataFrame.append() has been deprecated, use pandas.concat() instead

0484401: Address a pandas deprecation warning: FutureWarning: Calling float on a single element Series is deprecated and will raise a TypeError in the future. Use float(set.iloc[0]) instead. The warning is due to glidein_cpus that is a single element series.

07292a4: updated as per second round of review comments

947e9b8: updated as per PR review comments

e3608a0: fixes for python 3.6 and 3.9 unit tests failing in the CI workflow

d8de2da: updated as per PR#461 comment

e6044f7: removed escaping of quotes to conform with new API behavior

4a59acc: Upgrading isort version to fix install error w/ poetry

7b96d46: Started to add startd_manifests (glidein) metrics (TotalCpus, TotalSlotCpus, TotalSlots)

2ab707f: Started moving metrics into global dict

58e62a4: Added Number_of_jobs metric.

5a8a641: Added license info

1.2 Release 2.0.3

Release tag skipped

1.3 Release 2.0.2

This is mainly a bug fix release.

Some features were added: - Monotoring of the glideinwms module via Prometheus - Initial version of a Rigetti source - More flexible LogicEngine: Fsctory Entries categories are now configurable

1.3.1 Issues fixed in this release

- 428 : Decision engine 1.7.3 bug too many open file descriptors in glide_frontend_element.py
- 427 : Set CONTINUE_IF_NO_PROXY to False to allow hybrid configuration

1.3.2 Full list of commits since version 2.0.0

16e1751: update GWMS transforms This update improves handling of factory-entries data product.

0296667: Add initial Rigetti source

9d199a5: Update refresh_entry_token to use context managers

d45b799: [pre-commit.ci] auto fixes from pre-commit.com hooks

7b37e83: Renamed Variables (REQ_IDLE_GLIDEINS & REQ_MAX_GLIDEINS) and stored them into a global dictionary.

d7d0849: Started moving metrics into global dict

b1e56f0: added req_idle_glidens & req_max_glidens metrics

cee9652: Started to add NUMBER_OF_JOBS, NAME_OF_GROUPS, STATUS_OF_JOB METRICS

893137c: Added Number_of_jobs metric.

e530c10: Docker container and test setup for EL8

ea02fc8: Test case with no glideins.

4ae0bab: One monolithic factory-entries data product.

cc6b01a: Merge pull request #436 from vitodb/vito_fix_de_client_call

a6744f1: Fix de_client call This is required to allow de_client to get its output returned as text string rather then using a logger.

f2057d1: Merge pull request #433 from jcpunk/coverage

4f6dffd: Merge branch 'master' into coverage

0922c6d: No longer need to pin coverage version

57a5599: Set upper limit version for flake8. This is needed to have pytest-flake8 and flake8 versions working together.

6bf9b48: Set default glidein params on GlideFrontendElement

3ce646a: Set CONTINUE_IF_NO_PROXY to False

2290fb4: Updated release notes for 2.0.1 and porting of 1.7.3

1.4 Release 2.0.1

Patch level (bug fix) release.

1.4.1 Issues fixed in this release

1.4.2 Full list of commits since version 2.0.0

6f2db85: Fix coverage reporting.

a764562: Silence warnings that are beyond our control or are irrelevant.

cc481e9: Test that duplicate column names and empty dataframes are properly handled.

76e1085: Fix NERSC FOM test.

f67df9d: Cleanup tests.

51c6e75: Work around pylint bug.

3eb1e92: Ensure setuptools is up-to-date in GitHub actions; also update actions.

bfe45e5: in dataframe_for_entrytype take care of empty datablocks

5223daf: Enable token proxy hybrid GWMS configuration

265dc8e: Fix pre-commit node version to 17.9.0, the last to support SL7.

7f5922f: Single point of maintenance for entry types.

0125962: Support additional queries according to the entrytype/logic-engine fact.

f685f24: Use Pandas concepts.

331a284: Testing cleanups.

05b605e: Remove unnecessary code.

0b9e6c7: Fix pyupgrade version for python 3.6 compatibility

9f8dddb: Further cleanups for testing glidein frontend element.

0292842: Remove unnecessary testing classes.

fcd1a40: Added cross-package link in the documentation

a35c2e8: Updated 2.0 release notes and indexes, ready for 2.0.0

1.5 Release 2.0.0

This release series follows 1.7. A lot started to happen in 1.7.0 and has happened since, so we felt it was proper to change the major version number. We are proud to introduce Decision Engine 2.0.0 to outside users: it provides a friendlier installation procedure and configuration samples to test it on all resources supported by the GlideinWMS Factory, like OSG, some HPC resources and commercial cloud providers. The decisionengine_modules is the standard library of modules distributed to support the main sources, transformations and publishers of the Decision Engine. See also the Release Notes of decisionengine, the Decision Engine framework.

This release features:

- Adopt new Framework architecture for the sources

- Separation from the GlideinWMS Frontend. Decision Engine still shares some libraries with GlideinWMS but you don't need any more to install and configure the Frontend.

- Structured logging. Improved python logging and adoption of structured logs format that will increase the semantinc content of the messages and ease the export of information for dashboards and Elastic Search.

- Monitoring via Prometheus.

- Added support of CentOS8 (RHEL7 is still out main platform)

- Configuration example using HTC resources via GlideinWMS Factory

- Decision Engine is distributed under the Apache 2.0 license

- We increased our CI tests including also code auto-formatting and license compliance. We introduced integration tests and we are proud of our over 95% unit test coverage.

> **Note**
>
> decisionengine_modules now requires GlideinWMS 3.9.4. The vofrontend installation and configuration is no more needed, decisionengine_modules now depends from the GlideinWMS vofrontend-lib. Check the new instructions for the changed configuration of the glideinwms module.

1.5.1 Issues fixed in this release

- 353 : yum update decisionengine-standard-library doesn't detect and pull in decisionengine_modules

- 282 : Decision Engine classad encoding problems make multiple exceptions in the factory

- 349 : Minor issue setup tools decisionengine_modules

- 363 : Replace AWSOccupancy and AWSSpotPrice classes with SourceProxy + transforms

- 253 : Different modules are using different retry parameters in config

- 348 : Name convention on bill_calculator_hep vs. billing_calculator_hep

- 361 : glide_frontend_element.py throws logger exception in 1.7.0rc3

1.5.2 Full list of commits since version 1.7.0

d605ab0: Added changelog file for developers curated list of changes

cc0b18a: Adding 1.7.2 release information

eb40d1e: Updated release notes, ready for 2.0.0 RC4

53b2fe4: The rpm-build workflow has been updated to include the workflow_dispatch action me chanism. This allows to trigger this action through a GitHub API or directly through the action dashboard, This PR also customize the RPM artifact file name.

cd52b39: Catch exceptions when no VMs running in GCE

9044b64: Add token authentication to the glideinwms module

97ca32a: Modified pre-commit bot suggestions. Avoid pyupgrade that requires python 3.7

95a7d7b: Test the arguments used to call publish_to_htcondor.

27f0f4b: Adjust code-coverage configuration to display code in browser.

3addf20: Make sure variables are defined before they're used.

75381df: Improve fe_group_classads test.

ed2a8b4: Check DecisionEngineMonitorManifests for empty DFs

e7a247b: Fix GlideClientGlobal create_invalidate_constraint

f0819b1: pin pytest version

ad59fed: [pre-commit.ci] pre-commit autoupdate

0fc20e5: Added unlinked release notes for DEM 2.0.0

123dd2b: Drop extra lines

0177318: Rename product so that translation is not necessary.

94e334c: Explicitly pass .coveragerc to pytest.

04456a9: Updated documentation for 1.7.1 release

240d937: [pre-commit.ci] pre-commit autoupdate

f054532: Use pre-commit.ci rather than local actions

e2bc8d8: Update GlideinWMS dependencies

4dfefb1: Add SPDX blurbs.

a0889aa: Update pre-commit hook versions and accommodate python-debian issue.

7fd1c9c: Change gwmw module to read cfg from DE framework

d57ac6e: Set Apache 2.0 license and added REUSE compliance

cf43119: Set fail-fast to false to allow py3.6 tests to complete also when higher version fail. Temporarily downgraded from py3.10 to py3.9 because the condor dependency is not available yet for py3.10.

e2707e5: Ignoring E203, whitespace after ':', since black is adding the whitespace

b0e3526: Remove modules that inherit from SourceProxy. Inheritance from SourceProxy has been forbidden by PR#526. In this commit it has been removed the SourceProxy module GCEResourceLimits that is not used.

208a660: Revert "Add jsonnetfmt hook"

efbf6b9: Add jsonnetfmt hook

9140330: Recasting AWSOccupancy, AWSSpotPrice and associated unit tests as Transforms AWSOccupancy and AWSSpotPrice source proxies will be handled at config level

81adb29: Start testing against python 3.10

a9c1f3c: Support retries for contacting Graphite.

3bd68e4: Fix some errors, most caught by lgtm.

89e21f0: Simplify some code paths

63f6315: Homogenize parameter-naming.

325ea37: Update pre-commit hooks via *pre-commit autoupdate*

ee7d45c: More logging improvements.

901291c: Take advantage of simplified logging.

f4752ab: Fixup pre-commit hooks

ad66754: Add Linters task

ca61ae3: Update to latest setuptools_scm

3ad934b: Fixed project name

ec2a94e: Added 1.1 release notes

1.6 Release 1.7.5

Added support for NERSC SuperFacility API.

1.6.1 Issues fixed in this release

- 234 : Prepare code for new NERSC "superfacility" api

1.6.2 Full list of commits since version 1.7.4

a85098a: Last update to add KeyError

defb011: New Nersc SuperFacility code in the branch 1.7

83e6b88: Updated release notes for 1.7.4

1.7 Release 1.7.4

This release fixes token+proxy hybrid configuration.

1.7.1 Issues fixed in this release

- 428 : Decision engine 1.7.3 bug too many open file descriptors in glide_frontend_element.py
- 434 : Set CONTINUE_IF_NO_PROXY to False to allow hybrid configuration

1.7.2 Full list of commits since version 1.7.3

80d9041: Update refresh_entry_token to use context managers

62a51f3: Merge pull request #434 from BrunoCoimbra/1.7

2833e82: Set default glidein params on GlideFrontendElement

ac427d9: Set CONTINUE_IF_NO_PROXY to False

245f316: Updated release notes for 1.7.3

1.8 Release 1.7.3

Enable token+proxy hybrid configuration, to send a proxy in addition to tokens to support OSG Gratia probes.

1.8.1 Full list of commits since version 1.7.2

da693a7: Enable token proxy hybrid GWMS configuration

3c75da5: Updated release notes, ready for 1.7.2

1.9 Release 1.7.2

This release features:

- Add token authentication to the glideinwms module.

1.9.1 Full list of commits since version 1.7.1

82119a2: Add token authentication to the glideinwms module

1.10 Release 1.7.1

Patch level (bug fix) release.

1.10.1 Issues fixed in this release

- 369 : Add retries to all publishers that contact Graphite (e1c28e7)

1.10.2 Full list of commits since version 1.7.0

dd4fb50: Homogenize parameter-naming.

e1c28e7: commit da19f6fd3c81d5a8518dc6e6028fd5853df91279 Author: Kyle Knoepfel <knoepfel@fnal.gov> Date: Thu Sep 30 21:45:50 2021 +0000

e56c4d2: Fixing issues reported by flake8 and by unit tests for 1.7 branch

1.11 Release 1.7.0

This release features:

- Adopt new produces-consumes decorators introduced in the Framework

- Added structured logging. Improved python logging and adoption of structured logs format that will increase the semantinc content of the messages and ease the export of information for dashboards and Elastic Search.

- Migrated to setuptools package development library. This build system is the standard vanilla python build system provided with the python distribution. Build configurations have been updated and rpm packaging remains the primary distribution method.

- The billing_calculator is now hosted in HEPCloud's GitHub organization

> **Note**
>
> The RPM package was renamed from decisionengine-standard-library to decisionengine_modules. rpm/yum updates from the old RPM will work correctly.

> **Note**
>
> The "channel_name" key in the Source Proxy config dictionaries needs to be changed to "source_channel". "channel_name" is now being used to describe the name of the channel itself, not the name of the channel the Source Proxy is getting information from.

1.11.1 Issues fixed in this release

- 354 : Interior log messages from decision engine modules subroutines are missing;

- 348 : Name convention on bill_calculator_hep vs. billing_calculator_hep

- 333 : DE modules entrypoint script always pick DE default branch, this becomes an issue when testing DE modules branches enhancement

- 325 : Follow up for 323 unit test inside correction map logic

- 323 : Need to be able to add the conversion map to the factory_entries source onmachine_patch operations

1.11.2 Full list of commits since version 1.6.0

4d2c9fe: Updated documentation for 1.7.0 release

7451799: Updated release notes for 1.7.0 RC4 (1.6.99.post8)

34d2d74: Added module logger for functions in glide_frontend_element.py outside the class

41e1060: fixes to tests

ab0c739: Update release_notes_1.7.rst

cc94791: Updated release notes for 1.7.0 RC3 (1.6.99.post7)

076371a: changes needed for structured logging

77a79ad: Use latest version of bill calc

385266c: Fix requirements to match our usage

56e2d9e: Add config for lgtm

31d9d77: Rename bill_calculator_hep imports

2cd29c4: Updated release notes for 1.7.0 RC2 (1.6.99.post6)

f8c4c73: standardizing logging

160e3b8: Added a note to the release notes about the RPM name change

456003b: Release notes ready for v1.7.0

f8eef94: changes for structured logging

8a8c3dc: Set more firm version requirements for setup.py

3b44f36: Allow use of custom DEframework branch to test DE modules pick DEframework branch from DE modules branch

d454093: Legacy boto isn't used internally any longer

e87e1fb: Don't package tests at top level

76f3ae1: Fix GlideinWMS RPM requirement

5f9534f: Move packaging to develop

267995b: Implementing PEP8 issues

2a4d266: Adding new test for correction map

1c60be8: Update Jenkins file to cope with setuptools

a674626: Migrate to setuptools

7efbe56: Preparing 1.7, ready for 1.6.99.post2

5c3f8b3: Add in Jenkinsfile pipeline configuration a timeout at stage level

bd83afa: bill-calculator-hep now on official pypi

518ffdc: Fix coding error.

68d6441: Fix typos encountered during integration testing.

5435707: Check for configuration error.

4f7fc04: Accommodate breaking changes introduced by the framework.

a27f92a: Added 1.6.2 release notes, from branch 1.6

c7351ca: Merge pull request #329 from jcpunk/billing_calc

82c7b33: Add billing-calculator into CI environment

6658c62: Merge pull request #327 from knoepfel/produces-consumes-configuration

5a1ab2b: Address Marco's comments.

0e2a005: Upgrade to new produces/consumes/supports_config interface

e8fd175: Python cleanups

5edf1f5: Remove unneeded files

4a30632: Merge pull request #324 from hyunwoo18/t323

1f80c4a: Correction map implemented too

9ce3b1c: Fix import (#321)

5449e00: fix typo

7c0752f: bump trrunk version

1.12 Release 1.6.2

Patch level (bug fix) release.

Correction map for GlideinWMS Factory Entries added. (#323, PR#324) Fixed imports and a typo.

1.12.1 Full list of commits since version 1.6.1

4f6e313: Correction map implemented too

bdf4324: releasing 1.6.2-0.1.rc1

53c7d6c: getting ready to release 1.6.2

9a9f99d: Fix import (#321)

d502bf1: fix typo

1.13 Release 1.6.0

In this release:

- Adapt to decisionengine framework migration to setuptools.
- Drop cmake step before running unit tests.
- Enhanced logging.
- Bug fixes.

1.13.1 Issues fixed in this release

275 : (b639a74)

1.13.2 Full list of commits since version 1.5.0

f93831c : enhanced logging and error handling in util directory (#320)

798972f : replaced method_whitelist with allowed_methods (as former os deprecated) (#319)

b8af4b3 : Update Jenkins pipeline configuration (#318)

b639a74 : Handle KeyError exception (#317)

4c9e25e : Add about.py for useful names (#310)

48e725f : update unittest document

36b799e : Configure DE Modules to use DE Framework with setuptools (#316)

45fc425 : Move to raw flake8 test action (#315)

478b0a5 : Update gh-actions to best practices (#311)

6285f49 : Drop obsolete github action (#309)

911fef7 : Do a limited pin on dependencies (#308)

ab096a8 : Sync-up .gitignore (#304)

cd7e668 : Move to raw github actions (and codecov.io) (#298)

4a997d4 : Remove building of C++ Logic Engine from unit tests

1.14 Release 1.5.0

In this release:

- New AWS bill calculator
- Bug fixes

1.14.1 Issues fixed in this release

- 271 : Change configuration so the bill-calculator-hep-mapsacosta library doesn't write stuff to stdout (5410c46)
- 283 : Change DEAccountConstants.py to allow more variables through (7a65032)
- 293 : Unit test tests/test_job_q.py is failing (f5006fb)
- 263 : Python3 encodes hex strings differently, resulting in malformed htcondor classads (c16f0)
- 289 : Travis CI fails after decisionenigine transitioned to pybind11 (2bec1da)
- 281 : New exception in NERSC newt get_usage (398dc42)

1.14.2 Full list of commits since version 1.4.2

5410c46 : new bill calculator package (#303)

7a65032 : Resolving issue 283 (#301)

1a2c3e4 : Fix syntax errors and pylint bits (#300)

976c4a4 : Minor linting of actions (#297)

c43f311 : Drop redundant action, pep8speaks is already doing this (#296)

10691e4 : Add support to use custom docker layer as base of the docker image (#295)

f5006fb : fix for unit test test_job_q issue 293 (#294)

0b588ef : Update workflow per changes at github (#292)

7841d19 : Updated Jenkins configuration documentation (#291)

c08ffce : edited release notes

c16f0ac : Another fix to malformed strings (#288)

2bec1da : Fix #289 where TravisCI is missing changes from https://github.com/HEPCloud/decisionengine/commit/ea7ade57ca825afb0afbfa5ebd49820b16786d8b (#290)

8647bb2 : Update to current python test matrix (#287)

234a78e : update release notes

398dc42 : decisionengine_modules/NERSC/util: Added more 5xx codes to retry (#285)

d2df861 : force docker pull when building the docker container to make sure to use an updated base layer (#280)

9a78d22 : added 1.4.0 release notes

5d3b7ec : Updating Dockerfile for unittest (#279)

e16531e : Provide default for util function. (#278)

02f1738 : set RPM version number to 1.5.0rc and drop py3 suffix (#277)

664b9fe : Add timeout support for unit test on Jenkins for DE modules repo (#274)

e392a3c : Added initial unit test for glide_frontend_element.py (#269)

2f0069f : Updated DE modules Jenkins documentation

1.15 Release 1.4.2

In this release:

- Bug fixes to 1.4.1 release

1.15.1 Issues fixed in this release

- 282 : Decision Engine classad encoding problems make multiple exceptions in the factory (c16f0ac)

1.15.2 Full list of commits since version 1.4.1

c16f0ac : Another fix to malformed strings (#288)

1.16 Release 1.4.1

In this release:

- Bug fixes to 1.4.0 release

1.16.1 Issues fixed in this release

- 281 : New exception in NERSC newt get_usage (4d1301e)

1.16.2 Full list of commits since version 1.4.0

4d1301e : decisionengine_modules/NERSC/util: Added more 5xx codes to retry (#285)

1.17 Release 1.4.0

In this release:

- Works with python3 glideinWMS package
- Uses new AWS bill calculator
- Improved Jenkins CI pipeline

1.17.1 Issues fixes in this release

- 59 : Replace AWS Billing and GCE Billing modules with revamped bill Calculator code (71f25ea)
- 246 : Modify NERSCAllocation main() so that it can be run standalone (11ce772)
- 263 : Python3 encodes hex strings differently, resulting in malformed htcondor classads (13a24e4)
- 255 : Add option to config of condor/sources/job_q.py and slots.py (6f65af4)

1.17.2 Full list of commits since version 1.3.0

42f62d3 : remove py3 from package name

6e56c4d : bump version number

6433dba : Add support to test any branch in Jenkins for DE modules repo (#276)

60db1b3 : Accommodate breaking changes to framework's configuration system. (#273)

13a24e4 : Fix263 (#272)

a866e47 : Correct 'file_cache is unavailable when using oauth2client >= 4.0.0' (#267)

2c82064 : Fix requirements.txt for #266 (#268)

6f65af4 : A more generic solution for the issue 255 (#265)

df08cb4 : Speed up tests. (#264)

057e578 : Update Jenkins pipeline to properly test closing PR (#262)

a28f272 : Adding Jenkins pipeline documentation (#261)

71f25ea : T59 (#258)

90b6580 : Updating Jenkins pipeline configuration (#260)

b4bd759 : dealing with 2 columnsindividually (#257)

11ce772 : decisionengine_modules/NERSC: Can run NerscAllocationInfo.py without (#256)

4a70465 : doc: add release notes

1.18 Release 1.3.0

In this release:

- Introduced Jsonnet based configuration system
- Improved error handling

1.18.1 Full list of commits since version 1.2.0

e8c8e24 : Update to split a tuple key into two separate keys, this allows python config file to be JSON compliant config file (#254)

fbb5d28 : add jsonnet dependency in build/scripts/utils.sh for unit tests (#252)

95a0a32 : decisionengine_modules/glideinwms: Added retry to factory queries (#250)

77f894a : Aws (#249)

3be5be1 : Set theme jekyll-theme-slate

a73e7f8 : Doc (#247)

f8aa96d : Adding editor config file, see https://editorconfig.org/ (#248)

1ab1720 : Issue no. 237 (#245)

5edc8f9 : Issue 227 (#243)

e6047f2 : GCE channel goes OFFLINE on a timeout (#242)

63e3627 : Aws billing (#241)

c3626b9 : 1.1.3/fix (#239)

ae7c5a6 : Jenkins pipeline improvements (#236)

310befd : T198 (#235)

a65886d : Fix import as reported in : https://github.com/HEPCloud/decisionengin. . . (#232)

93711cc : Run coveralls even if tests fail (#229)

03d763a : Jenkins pipeline improvements (#230)

f48d30f : Fix/223 (#228)

c8aa262 : github ticket 199 (#222)

0323bda : Address : https://github.com/HEPCloud/decisionengine_modules/issues/224 (#226)

62e4df6 : Add support to run CI on Jenkins (#221)

5ab1541 : bump master version to 1.2.0 (for now) (#219)

bc19c65 : decisionengine_modules/NERSC: Added retry loop for NERSC API Calls (#220)

41a50de : Sync up pep8speaks and run_pylint.sh with decisionengine settings (#218)

db4634f : silence pylint error (#217)

1b95141 : Fix whitespace around operator error

746ea38 : ignore W503

8a8b5f4 : remove unused variable

a6668bf : fix PEP8 warnings

13773ee : address pep8 warnings

6bea4ca : silence pylint error

f589895 : Pass sort=True parameter to fix future warning (#215)

a1d0507 : fixing pep8 warning

a10bd17 : debugging one import error

ec501ad : make coveralls.io links work

deab1a7 : T201 (#204)

69f2645 : Add coveragerc

6d8a5f5 : decisionengine_modules/NERSC: Make Nersc API call backward-compatible with old config (#196)

a7e0af9 : Only run Github Actions for python3.6 (#24)

1.19 Release 1.2.0

In this release:

- Switched to python3
- NERSC newt interface adapted to changed NERSC RESTful API
- Improved unit tests
- Added Jenkins CI pipeline

1.19.1 Patches:

30d928b : clone version 1.2.0 of decisionengine

ae7c5a6 : Jenkins pipeline improvements (#236)

310befd : T198 (#235)

a65886d : Fix import as reported in : https://github.com/HEPCloud/decisionengin… (#232)

93711cc : Run coveralls even if tests fail (#229)

03d763a : Jenkins pipeline improvements (#230)

f48d30f : Fix/223 (#228)

c8aa262 : github ticket 199 (#222)

0323bda : Address : https://github.com/HEPCloud/decisionengine_modules/issues/224 (#226)

62e4df6 : Add support to run CI on Jenkins (#221)

5ab1541 : bump master version to 1.2.0 (for now) (#219)

bc19c65 : decisionengine_modules/NERSC: Added retry loop for NERSC API Calls (#220)

41a50de : Sync up pep8speaks and run_pylint.sh with decisionengine settings (#218)

db4634f : silence pylint error (#217)

1b95141 : Fix whitespace around operator error

746ea38 : ignore W503

8a8b5f4 : remove unused variable

a6668bf : fix PEP8 warnings

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6bea4ca : silence pylint error

f589895 : Pass sort=True parameter to fix future warning (#215)

a1d0507 : fixing pep8 warning

a10bd17 : debugging one import error

ec501ad : make coveralls.io links work

deab1a7 : T201 (#204)

69f2645 : Add coveragerc

6d8a5f5 : decisionengine_modules/NERSC: Make Nersc API call backward-compatible with old config (#196)

a7e0af9 : Only run Github Actions for python3.6 (#24)

1.20 Release 1.1.0

In this release:

- Fixed. https://github.com/HEPCloud/decisionengine_modules/issues/62. "Update Nersc Allocation Info source for new NERSC API "

- significant code cleanup and pep8 compliance

- unit test work

- CI (GitHub actions and Travis) is introduced

1.20.1 Patches:

6455c93 : 1.1 (#203)

375bec5 : clone specific branch of decisionengine (#202)

36c66a8 : set version to 1.1.0

40f31bb : Use sparse checkout for first checkout to get ./github/actions (#23)

b2933d7 : Remove unpackaged files (#22)

fee64ea : remove python shebang, fix logging-too-many-args, fix unsubscriptable-object (#21)

fbf4eb6 : Fixes pep8 warnings. (#20)

9f26659 : Hyunwoo2to3 (#19)

6870b0b : travis-ci: install boto3, htcondor and execute test in one directory above decisionengine_modules (#18)

22ed8b9 : Fixup condor-classad (#17)

c9edb09 : Add unit test github action. Run as non-root uid. Install python packages in virtualenv. (#14)

b41257d : Setup pep8speaks (#16)

b3bbe28 : Transitioned NERSC API to new IRIS API for accounting data. (#15)

267ec14 : Setup travis (#13)

4151a9a : unittest: Fix GCEResourceLimits so that it does not depend on configuration (#12)

5a44018 : Update decisionengine_modules rpmbuild and pylint actions. (#9)

c562696 : Update entrypoint.sh (#8)

6d953f2 : rpm spec: remove unwated directory (#7)

474c39c : unittest: make htcondor_query test pass (#6)

f0ff5a9 : unittest improvements (#5)

e928059 : AWS: fix all but one unit tests

182b582 : fix unit tests, light formatting

bb4a9e4 : Cache venv directory instead.

d805129 : Test pip cache

b64e85d : Add Github Actions

TWO

DEVELOPER DOCUMENTATION

The developer documentation is in the GitHub Wiki

JENKINS CI PIPELINE

3.1 Decisionengine modules CI with Jenkins pipeline

Jenkins dashboard with Decisionengine modules CI results is available here.

A CI build is triggered any time a PR is created/closed or a commit is made to an existing PR. There are also *nightly CI builds* to test a list of predefined branches.

The Jenkins pipeline runs *pep8*, *pylint* and *unit_tests* test suites alongside the *rpmbuild* stage.

The Jenkins dashboard looks like this:

On the bottom left side there is the list of recent CI builds that are named after the PR or the branch tested. On the bottom right side the dashboard shows for each CI build detailed status for each test suite.

Hovering the mouse over the *status box* for each CI build stage, a tool-tip with a button to access log details shows up.

Next to the build number the symbol ⊙ gives access to a menu with the list of artifacts stored for that build. Those artifacts include logs and the tarball with RPMs.

From the panel on the left side it is possible to access the PR on GitHub by clicking on the PR icon that looks like this ⑂ #258.

On occasion it could be useful to trigger a manual CI build to test a branch on the official DE GitHub repository or on the user fork. For this purpose, on the top left panel the user can click on the Build with Parameters button, and this panel shows up

Pipeline decisionengine_modules_pipeline

This build requires parameters:

DOCKER_IMAGE

vitodb/decision-engine-modules-ci:jenkins

Docker image name to use.
Default is: vitodb/decision-engine-modules-ci:jenkins

DE_MOD_REPO

https://github.com/HEPCloud/decisionengine_modules/

Decisionengine modules repo.
Default is:https://github.com/HEPCloud/decisionengine_modules/

BRANCH

master

Branch to test.
Default is: master

PYTEST_TIMEOUT 300

Timeout in seconds for unit_tests (it applies to individual unit test)
Default is: 300

Build

the user can modify these parameters to customize what code to test with the CI build.

The *DE_MOD_REPO* parameter can point to the user fork or to the main repository.
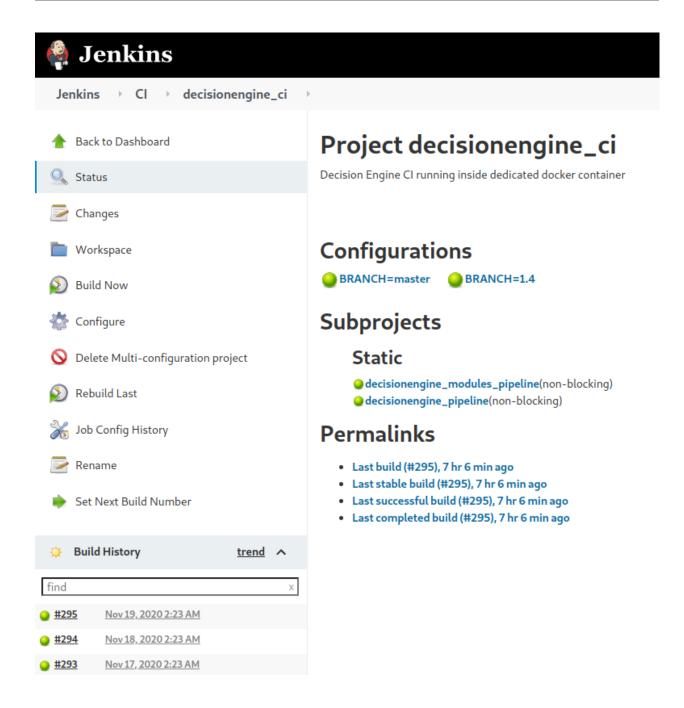The *BRANCH* parameter can point to the desired branch to test.
The *PYTEST_TIMEOUT* parameter is the timeout in seconds for *unit_tests*.

When ready, by clicking on the *Build* button, the CI build will start.

The pipeline configuration is part of the decisionengine_modules repo.

3.1.1 Nightly CI build configuration

The nightly CI build for Decisionengine framework uses this Jenkins project that triggers a CI build using the Jenkins pipeline described above to test a list of predefined branches.

Branches to test are defined using the project matrix as shown in the picture below.
Each branch in the list (here *master* and *1.4*) spawns an independent CI build.

In the *Build* section of the configuration it is set the list of Jenkins subprojects to be triggered, in this case we have *decisionengine_pipeline* and *decisionengine_modules_pipeline*.

The *Parameters* text box is used to override parameters of each Jenkins subproject with a custom value.

In total this Jenkins project triggers 4 CI builds, i.e. 2 branches X 2 Jenkins subprojects.

Finally the *Build Triggers* section is used to setup the schedule for the periodic build,
in this case it is scheduled to run at about 2 AM.

Jenkins will choose the actual time depending on the actual load on the system.

Build Triggers

| General | Advanced Project Options | Source Code Management | **Build Triggers** | Configuration Matrix | Build Environment |

Build   Post-build Actions

Build Triggers

☐ Trigger builds remotely (e.g., from scripts)   ❓

☐ Build after other projects are built   ❓

☑ Build periodically   ❓

Schedule

```
H 2 * * *
```

❓

Would last have run at Wednesday, November 4, 2020 2:23:53 AM CST;
would next run at Thursday, November 5, 2020 2:23:53 AM CST.

FOUR

SOURCE CODE

4.1 decisionengine_modules documentation

Add your content using `reStructuredText` syntax. See the reStructuredText documentation for details.

4.1.1 setup module

INDICES AND TABLES

- genindex
- modindex
- search