

Testing Machine - vocms0277.cern.ch

Path to repo: /data/srv/WmAgentScripts

Dependencies:

- Voms proxy
- Export
`PYTHONPATH=$PYTHONPATH:/usr/lib64/python2.7/site-packages:/usr/lib/python2.7/site-packages`
- source /data/srv/wmagent/current/apps/wmagent/etc/profile.d/init.sh

Milestones:

- Remove code from repo not used by production so we don't waste time on extra code.
- Point to all endpoints for services with testbed. If not, ask for test endpoints eg. oracle.
- Keep only keys that read from dbs and no write permissions to production instances.
- Jenkins/Travis CI/GH actions on the machine to be set up with unit tests.
- Make a testing branch and always make sure to push PR against testing branch.
- Vocms0277 pulls code from the testing branch and then tests code. After tests are complete, we merge to master branch.
- Unit tests for only unified related codes.

Test instances needed:

- Elastic Search
- Phedex
- Cmsweb
- Reqmgr2
- Couchdb
- Dbs
- Oracle
 - Separate account and schema to be copied.
- MongoDB - probably try to use a docker instance in the machine itself
- Remove trello or test instance for trello

We put the configuration json file - vocms0277:/data/srv/WmAgentScripts/Unified

Config.json

configurator.py

Qier:

- Phedex
 - Testbed for phedex: <https://cmsweb-testbed.cern.ch/phedex>
- Elastic Search -
<https://cern.service-now.com/service-portal/view-request.do?n=RQF1567789>
<https://es-unified-test7.cern.ch>
- Dynamo
 - No testbed for dynamo
 - Remove all the code that affects the dynamo
 - Closer line 538-576 to_DDM -> false



Sharad:

- MongoDB - done
- OracleDB - a little confused with one oracle instance already existing called devdb

Todor:

- Couchdb
- Reqmgr2
- dbs

Discussions:

- urls to change:

baseUrl:

<https://cmsweb-testbed.cern.ch>

phedex:

- subUrl: [phedex/debug/](#)

dynamo:

- subUrl: ? it's not on cmsweb, it works on mit, we might need to contact Benedikt for the test url for dynamo

dbs (discussion with Valentin):

- subUrl: [dbs/int/global/DBSReader](#)

- testbed instance (machines/env) - @cmsweb-testbed and integration database in ORACLE

- dbs instance for dataset publication (prod/global,prod/phys03...) - any

reqmgr2

- subUrl: ? /reqmgr2

Wmagent instance:

- Wmagent secret file should have all testbed urls

- teamName:

- assignor.py (so far 'backfill' or 'production') - preferred to be configurable as

<https://github.com/CMSCompOps/WmAgentScripts/blob/master/Unified/assignor.py#L520>

- credentials:

- operator's login username (to check the ones who can/cannot assign workflows)

- unified service certificate for contacting external APIs

- kerberos tokens

- machines registration (the ones on which unified scripts are running):

- monit

- dbs

- secrets && keys inside unified:

- password for oracle - inside the machine

- password for mongoDB ?

- databases: - to change the reference to testbed (urls and schemas must be examined)
 - oracle (owner: unified @CRNIT)
 - mongodb (owner: unified @vocms0274.cern.ch)
 - couchdb (owner: reqmgr @cmsweb-testbed.cern.ch)
- eos dependencies:
 - /eos/cms/store/unified/...(current)
 - /eos/cms/store/user/<username>/unified/...(preferred)
- deployment:
 - not identified/established yet: just runs based on a set of acron jobs on service account - cmsunified

- start/stop:
 - stop - create an empty file in /eos/cms/store/unified/.....
<https://github.com/CMSCompOps/WmAgentScripts/wiki/Draining-Unified>

Max documentation about unified available -

<https://github.com/CMSCompOps/WmAgentScripts/wiki>

<https://github.com/CMSCompOps/WmAgentScripts/blob/master/acrontab.list>