Dovetail Command Line

Dovetail command line is to have a simple command line interface in Dovetail to make easier for users to handle the functions that dovetail framework provides.

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1. Commands

commands	Action
dovetail --help | -h	Show usage of command "dovetail"
dovetail --version	Show version number
dovetail list	
dovetail list --help | -h	Show usage of command "dovetail list"
dovetail list	List all available test suites and all test cases within each test suite
dovetail list <test_suite_name>	List all available test areas within test suite <test_suite_name> and all test cases within each test area
dovetail show	
dovetail show --help | -h	Show usage of command "dovetail show"
dovetail show <test_case_name>	Show the details of one test case
dovetail run	
dovetail run --help | -h	Show usage of command "dovetail run"
dovetail run	Run Dovetail with all test areas within default test suite "compliance_set"
dovetail run --testsuite <test_suite_name>	Run Dovetail with all test areas within test suite <test_suite_name>
dovetail run --testsuite <test_suite_name> --testarea <test_area_name>	Run Dovetail with test area <test_area_name> within test suite <test_suite_name>. Test area can be chosen in set (mandatory, optional, osinterop, ha, vping, ipv6, tempest, sdnvpn). Repeat option to set multiple test areas.
dovetail run --debug | -d	Run Dovetail with a debug mode and show all debug logs
dovetail run --offline	Run Dovetail offline, use local docker images and will not update them
dovetail run --report | -r <db_url>	Push results to local or official DB
dovetail run --yard_tag | -y <yardstick_docker_image_tag>	Specify yardstick's docker image tag, default is danube.3.2
dovetail run --func_tag | -f <functest_docker_image_tag>	Specify functest's docker image tag, default is cvp.0.5.0
dovetail run --bott_tag | -b <bottlenecks_docker_image_tag>	Specify bottlenecks' docker image tag, default is cvp.0.4.0

2. Examples

2.1 dovetail commands

```
[root@e8c7f254fc0c:~/dovetail/dovetail# dovetail --help
Usage: dovetail [OPTIONS] COMMAND [ARGS]...

Options:
  --version   Show the version and exit.
  -h, --help  Show this message and exit.

Commands:
  list  list the testsuite details
  run   run the testcases
  show  show the testcases details
```

```
[root@e8c7f254fc0c:~/dovetail/dovetail# dovetail --version
dovetail, version 0.6.0
```

2.2 dovetail list commands

```
[root@e8c7f254fc0c:~/dovetail/dovetail# dovetail list --help
Usage: dovetail list [OPTIONS] [TESTSUITE]

  list the testsuite details

Options:
  -h, --help  Show this message and exit.
```

```
[root@e8c7f254fc0c:~/dovetail/dovetail# dovetail list debug
- example
    dovetail.example.tc002
- defcore
    dovetail.defcore.tc001
- vping
    dovetail.vping.tc001
    dovetail.vping.tc002
```

2.3 dovetail show commands

```
[root@e8c7f254fc0c:~/dovetail/dovetail# dovetail show --help
Usage: dovetail show [OPTIONS] TESTCASE

  show the testcases details

Options:
  -h, --help  Show this message and exit.
```

```
root@e8c7f254fc0c:~/dovetail/dovetail# dovetail show dovetail.vping.tc001
---
dovetail.vping.tc001:
  name: dovetail.vping.tc001
  objective: testing for vping using userdata
  validate:
    type: functest
    testcase: vping_userdata
  report:
    sub_testcase_list:
```

```
root@e8c7f254fc0c:~/dovetail/dovetail# dovetail show dovetail.ipv6.tc001
---
dovetail.ipv6.tc001:
  name: dovetail.ipv6.tc001
  objective: Bulk creation and deletion of IPv6 networks, ports and subnets
  validate:
    type: functest
    testcase: tempest_custom
    pre_condition:
      - 'cp /home/opnfv/userconfig/pre_config/tempest_conf.yaml /usr/local/lib/python2.7/dist-packages/functest/opnfv_tests/openstack/tempest/custom_tests/tempest_conf.yaml'
    pre_copy:
      src_file: tempest_custom.txt
      dest_path: /usr/local/lib/python2.7/dist-packages/functest/opnfv_tests/openstack/tempest/custom_tests/test_list.txt
  report:
    sub_testcase_list:
      - tempest.api.network.test_networks.BulkNetworkOpsIpV6Test.test_bulk_create_delete_network[id-d4f9024d-1e28-4fc1-a6b1-25dbc6fa11e2,smoke]
      - tempest.api.network.test_networks.BulkNetworkOpsIpV6Test.test_bulk_create_delete_port[id-48037ff2-e889-4c3b-b86a-8e3f34d2d060,smoke]
      - tempest.api.network.test_networks.BulkNetworkOpsIpV6Test.test_bulk_create_delete_subnet[id-8936533b-c0aa-4f29-8e53-6cc873aec489,smoke]
```

2.4 dovetail run commands

```
root@e8c7f254fc0c:~/dovetail/dovetail# dovetail run --help
Usage: run.py [OPTIONS]

Dovetail compliance test entry!

Options:
-b, --bott_tag TEXT  Overwrite tag for bottlenecks docker container (e.g.
cvp.0.4.0)
-f, --func_tag TEXT  Overwrite tag for functest docker container (e.g.
cvp.0.5.0)
-y, --yard_tag TEXT  Overwrite tag for yardstick docker container (e.g.
danube.3.2)
--testarea TEXT      compliance testarea within testsuite
--offline            run in offline method, which means not to update the
docker upstream images, functest, yardstick, etc.
-r, --report TEXT    push results to DB (e.g. --report
http://192.168.135.2:8000/api/v1/results)
--testsuite TEXT     compliance testsuite.
-d, --debug          Flag for showing debug log on screen.
-h, --help           Show this message and exit.
```

```
root@e8c7f254fc0c:~/dovetail/dovetail# dovetail run --testsuite proposed_tests --testarea vping --offline -r http://192.168.135.2:8000/api/v1/results
2017-09-14 11:39:04,236 - run - INFO - ================================================
2017-09-14 11:39:04,236 - run - INFO - Dovetail compliance: proposed_tests!
2017-09-14 11:39:04,236 - run - INFO - ================================================
2017-09-14 11:39:04,236 - run - INFO - Build tag: daily-master-4f675166-9941-11e7-a00c-0242ac110001
2017-09-14 11:39:04,626 - run - INFO - >>[testcase]: dovetail.vping.tc001
2017-09-14 11:40:18,547 - run - INFO - Results have been pushed to database and stored with local file /home/dovetail/results/results.json.
2017-09-14 11:40:18,547 - run - INFO - >>[testcase]: dovetail.vping.tc002
2017-09-14 11:41:55,808 - run - INFO - Results have been pushed to database and stored with local file /home/dovetail/results/results.json.
```