

Kubernetes Command-Line Integration Test Suite

This document describes how you can use the Kubernetes command-line integration test-suite.

Running Tests

All Tests

To run this entire suite, execute `make test-cmd` from the top level. This will import each file containing tests functions

Specific Tests

To run a subset of tests (e.g. `run_deployment_tests` and `run_impersonation_tests`), execute `make test-cmd WHAT="deployment impersonation"`. Running specific tests will not try and validate any required resources are available on the server.

Adding Tests

Test functions need to have the format `run_*_tests` so they can be executed individually. Once a test has been added, insert a section in `legacy-script.sh` like

```
#####
# Replica Sets      #
#####

if kube::test::if_supports_resource "${replicasets}" ; then
    record_command run_rs_tests
fi
```

Be sure to validate any supported resources required for the test by using the

```
kube::test::if_supports_resource
```

 function.

New File

If the test resides in a new file, source the file in the top of the `legacy-script.sh` file by adding a new line in

```
source "${KUBE_ROOT}/test/cmd/apply.sh"
source "${KUBE_ROOT}/test/cmd/apps.sh"
source "${KUBE_ROOT}/test/cmd/authorization.sh"
source "${KUBE_ROOT}/test/cmd/batch.sh"
...
```

Please keep the order of the source list alphabetical.