

Dtest TAGS



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Dtest TAGS

TAGS allow 'dtest' to selectively execute or exclude specified regtests

- Only applies to the directory containing the DTESTDEFS.cfg
- For example, a DTESTDEFS.cfg file:

```
TAGS = logging
```

```
...
```

Dtest TAGS

- To run ONLY regtests with the tag 'logging':

```
$ <Drun> dtest --run-only-tags logging
```

- To exclude tags with certain tags (such as 'logging'):

```
$ <Drun> dtest --exclude-tags logging
```

Special TAGS

- Special tags:
 - TAGS = skip
 - Same as SKIP = test_<name>
 - TAGS = quarantine
 - Same as QUARANTINED = test_<name>

Inherited tags

- TAGS = tag1 ONLY applies to the tests in the directory containing the DTESTDEFS.cfg file in which TAGS is defined.
- To have all child/descendent subdirectories inherit a specified tag, use CHILD_TAGS in the parent directory:

```
CHILD_TAGS = code
```

```
...
```

All child directories will effectively have TAGS=code

Using TAGS with Makefiles

- We have updated our SiteDefs make rules to support passing DTEST_MODULE_FLAGS to dtest
 - Define DTEST_MODULE_FLAGS in module's Makefile.yam and it will be passed on to 'dtest' when running

```
$ make -f Makefile.yam regtest
```

Using TAGS with Makefiles - Example

To suppress code tests during regular regtests

- In module's Makefile.yam define:
`DTEST_MODULE_FLAGS := --exclude-tags code`
- In tests/test_code/DTESTDEFS.cfg, define:
`CHILD_TAGS=code`
- Running:
`$ make -f Makefile.yam regtest`
Will skip all tests in the **test_code** directory
- Running **srun dtest** will run ALL tests