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Run Fuchsia tests

This guide provides instructions on how to run Fuchsia tests using the `fx test` command.

In Fuchsia, a test can be a component that runs on a Fuchsia device (see Tests as components) or a standalone executable that runs on the host machine.

To run a Fuchsia test, use the `fx test` command with the name of the test:

```
$ fx test <TEST_NAME>
```

If `TEST_NAME` is a test component, `fx test` connects to your Fuchsia device to load and run the test component. That is, the command finds the component's corresponding component URI and calls `ffx test run`. However, if `TEST_NAME` is a host test, `fx test` directly invokes that test binary to run on the host machine.

Similar to a host test, an end-to-end test also runs on a host machine. The test then may interact with various services on a Fuchsia device for testing purposes (see Scripting Layer for Fuchsia). To run an end-to-end test, provide an additional flag (`--e2e`) to `fx test`:

```
$ fx test --e2e <END_TO_END_TEST_NAME>
```

Customize invocations

`fx test` can run multiple tests or test suites at once. The command can also filter those tests to be only device, host, or end-to-end tests.