

Understanding DigitalZoom results- Unknown result status

When analyzing test executions- especially at a bigger scope- it is vital to immediately see whether a test passed or failed. However, sometimes we observe tests with *Unknown* status in the reporting- which almost always requires analysis to understand what happened. Thus *Unknown* is an undesirable result, mildly put. Why are tests with status *Unknown* present in my reporting?

Causes for "Unknown" test status

1. The test was run without Reporting context

When a logical test is run, it needs to have implemented reporting to log the test details in DigitalZoom. See [Implementing Reporting](#) for further details.

If this is not present, a test with generic name like RemoteWebDriver will be created, likely with *Unknown* result unless the test failed at driver instantiation.

```
        /** Below step creates the general context of the execution. Reports of all tests run
with this driver will share this metadata
PerfectoExecutionContext perfectoExecutionContext = new PerfectoExecutionContext.
PerfectoExecutionContextBuilder()
    .withProject(new Project("My Project", "1.0"))
    .withJob(new Job("My Job", 45))
    .withContextTags("tag1")
    .withWebDriver(driver)
    .build();

        /** Below step is vital to name the actual test
ReportiumClient reportiumClient = new ReportiumClientFactory().createPerfectoReportiumClient
(perfectoExecutionContext);
    try {

        reportiumClient.testStart("My test name", new TestContext("tag2", "tag3"));
        ...
        reportiumClient.testStop(TestResultFactory.createSuccess());
    }

    ...
```

2. No test status was sent to DigitalZoom upon ending the test.

Often this just means, that a possible outcome of the test is not implemented. In below example, the test is started with a logical name. However an exception as part of the script is not caught. In the example, a specific Webdriver exception would be caught, but a plain nullpointer exception is not- so in this case neither failed nor passed is sent to reporting as test result. See [Implementing Reporting](#) for further details.

```
    ...
    /** Below step is vital to name the actual test
    ReportiumClient reportiumClient = new ReportiumClientFactory().createPerfectoReportiumClient
(perfectoExecutionContext);
    try {

        reportiumClient.testStart("My test name", new TestContext("tag2", "tag3"));

        /** Below will throw a java.lang.NullPointerException (which is NOT caught, so no
result will be passed)
        Integer aNumber=null;
        aNumber+=3;

        /** This part is essential to assign a test result to the test- success
        reportiumClient.testStop(TestResultFactory.createSuccess());

    } catch (WebDriverException e) {
        /** This part is essential to assign a test result to the test - failure
        reportiumClient.testStop(TestResultFactory.createFailure(e.getMessage(), e));

        e.printStackTrace();

    } finally {

        try {

            driver.quit();

            ...
        }
    }
}
```