

Grid Execution with NightWatchJS

There are two main aspects of running NightWatchJS tests in the grid. The first aspect is initiating a test session and the other is running a test in parallel on multiple browsers.

Initiating a Test Session

To initiate a test session and run a NightWatchJS test on the grid, certain capabilities must be specified in the Desired Capabilities object. The capabilities are:

1. [Authentication with NightWatchJS](#)
2. Cloud URL - the URL of the cloud.

In addition, the NightWatchJS test desired capabilities may include the following capabilities:

- *testName* - Specifies the test name. This name will appear in SeeTest Reporter and in the generated report
- *generateReport* - By default every NightWatchJS test generates a report and takes screenshots after each command. To disable reports (and screenshots) pass this capability with a false value
- *takeScreenshots* - take a screenshot of reports and the device reflection in the Grid page
- *platformName* - run the test on the specified platform (Mac, Windows, iOS, etc...)
- *browserName* - run the test on the specified browser (default is chrome)
- *browserVersion* - run the test on the specified browser version (check which version are [supported](#) in your lab)
- *newCommandTimeout* - change the default timeout for each command in the test (default is 300 seconds)
- *newSessionWaitTimeout* - change the default timeout for creating a new driver (default is 300 seconds)

In order to use Continuous Testing additional capabilities, you should use the following format:

```
testName : 'here is the test name',
```

If the NightWatchJS test is configured to generate a report when the test is finished a detailed report will be created in SeeTest Reporter.

Below you can find an example written in Javascript specifying the capabilities above.

NightWatchJs - Grid Execution

```
module.exports = {
  selenium : {
    start_process : false,
    selenium_host : '<cloudurl>',
    server_path: '/wd/hub',
    selenium_port : <port>
  },
  test_settings : {
    default : { //default environment
      selenium_port : <port>,
      selenium_host : '<cloudurl>',
      use_ssl : true, //or false if the cloud doesn't use SSL
      desiredCapabilities : {
        browserName: 'chrome',
        platformName: 'mac',
        accessKey : '<ACCESS_KEY>',
        testName : 'NighwatchJSTest',
        javascriptEnabled : true,
        takeScreenshots : true,
        newCommandTimeout : 300,
        newSessionWaitTimeout : 300
      }
    }
  }
};
```