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**NightWatch Guidelines and Best Practices**

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# Introduction

* Nightwatch.js is an automated testing framework for web applications and websites, written in Node.js and uses webDriverAPI.
* It Manages the Selenium server automatically; can be disabled if Selenium runs on another machine.
* Nightwatch.js will start Selenium (or connect to an existing Selenium server), tell Selenium to launch a browser (you will actually see Firefox starting) and then drive it to perform the test’s actions.

# COnfiguration Guidelines FOr NIGHTWATCH

Prerequisites for Nightwatch :

* Before installation of nightwatch make sure you installed node,npm in the system.
* The test runner expects a configuration file to be passed, using by default a nightwatch.json file from the current directory. if present ,do focus on the naming convention of the file.
* Selenium (jar) should be downloaded place it on the computer with the browser you want to test.
* A good practice is to create a separate subfolder (e.g. bin) and place it there as you might have to download other driver binaries if you want to test multiple browsers.
* Selenium server should be started at time of running Nightwatch.

# USer Guidelines FOr user for NIGHTWATCH

* Test folder should be created and all tests should be inside this folder.
* Proper comments should be given for code lines.
* Tests should be closed with .end() in order to properly close selenium session.
* Test file can have be written in a single step but it is better to write multiple steps.
* Controls the Selenium standalone server automatically in a separate child process; can be disabled if Selenium runs on another host.
* There are two ways to run tests , by nightwatch command or by writing in Gruntfile (build tool) but it is preferable to use grunt for running tests.

# tESTING GUIDELINES FROM ALM PERSPECTIVE

* There should be Traceability between Test cases and Bugs/issues
* There should be Integration between Test management and Defect logging tool.
* Reports should be generated for tracking purpose i.e test coverage reports