

Background :

- > The content hub of a leading Fortune 100 company uses Dataction Analytic’s software testing services to improve quality, reliability and performance of their web and Mobile applications.

Challenges

- > Optimization of ever increasing large regression test suites.

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| <ul style="list-style-type: none"> > Constant development of new web and mobile applications in every sprint. | <ul style="list-style-type: none"> > Constant changes to the existing web and mobile applications in every sprint | <ul style="list-style-type: none"> > With ever-evolving nature of the software system , testing every piece of functionality was becoming complex. |
| <ul style="list-style-type: none"> > With ever-evolving nature of the software system , testing every piece of functionality was becoming complex. | <ul style="list-style-type: none"> > Short tenure of the sprints puts pressure on testers to complete testing in available time. | <ul style="list-style-type: none"> > In an environment where software builds are done on a nightly basis, comprehensive regression testing of every build was impossible. |

Approach

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| <ul style="list-style-type: none"> > Create & identify regression test suites for automation. | <ul style="list-style-type: none"> > Identify and shortlist automation tool which would suit regression testing requirements. |
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Solutions

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| <ul style="list-style-type: none"> > Created regression test suites for different applications. | <ul style="list-style-type: none"> > Implemented test automation tool. |
| <ul style="list-style-type: none"> > Automated testing of regression test suites using automation tool. | <ul style="list-style-type: none"> > Created different reports and dashboards using test automation tool to identify failed suites and bugs available in applications. |
| <ul style="list-style-type: none"> > Scheduled automated distribution of test results to key stakeholders. | |

Achievement

- > Automated tests run overnight or after each deployment – this created time for the tester to perform exploratory testing , concentrate on areas which could not be automated and focus on other tasks.
- > Regression suite being executed by automation tool, delivered faster and more accurate test results .
- > Maintenance of the test suites became easier.