

EvoQE

Evolution of Quality Engineering

Improved test selection strategy for a medical imaging solution provider



Challenges

- **Selection:** Lack of systematic way to identify the right tests that matter
- **Prioritization:** Prioritize the right tests for automation
- **Quality:** Delay in identifying basic issues during system testing



Benefits

- **Improved** adaptive regression test selection strategy
- **Automated** high priority tests are run frequently
- **More stable** builds for system testing
- Fixed process & tool gaps for **analytics readiness**



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Shorter release cycles for an industrial automation solution provider



Challenges

- **Selection:** Large number of test cases to be executed in a short duration
- **Productivity:** Regression issues identified late in the cycle



Benefits

- High risk tests identified and prioritized first to **capture defects early**
- Achieved a 73% effort saving, leading to **shorter release cycle**
- QA team has more time to **automate more**



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Risk management in product test configurations for an enterprise server solution provider



Challenges

- **Complexity:** Huge test configurations matrix - several permutations and combinations including hardware, software, and firmware variations
- **Planning:** Test efforts to achieve the highest coverage
- **Analytics:** Adopt next level of analytics to leverage the available data



Benefits

- Prioritized list of configurations and test cases **with risk score**
- A systematic way of system under test **configuration** planning
- 63% test cases could be **de-prioritized**
- Analytics for **defect forecasting**





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