



When To Start Test Automation

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Automation Myth Busters

- Automation always improves quality
- Every project needs automation
- Automation is all or nothing proposition

Reality

- Automation needs higher initial investment in time & money
- Test team's skill upgrade & trainings are mandatory in successful implementation
- Right mix of manual & automation testing

Why Automation in Agile?

- Test case library keep expanding with each sprint
- Frequent changes means more regression tests
- Small test teams
- Time matters

When to start Automation in Agile?

- Project has long term visibility
- Test cases keeps growing with each sprint
- Business functions that are repeated frequently
- Same test scenarios executed with different test data or conditions
- Test team unable to manage demands
- All stakeholders understand the importance of automation

How to start Automation in Agile?

- Build tool independent automation strategy
- Get It out of your local machine
- Develop efficient defect management system
- Integrate intuitive reporting mechanism
- Start small
- Create meaningful tests
- Maintain test automation backlog

Agile Automation Test Strategy

E2E Tests
(No mocked services, execute daily)

App Integration Tests
(Using mocked services, execute after each deploy)

App Tests

Service Tests

Unit Tests



Key Challenges

- ROI calculation showing *Whether & When* investment can be financially profitable
- Complexity of the test scenarios
- Automation tool & framework selection
- Test result documentation
- Investment on script maintenance
- Setting right expectations



Q & A