

Test Automation

What is Test Automation?

- Make the test procedures to be executed automatically

Why Test Automation?

- Make the testing procedures systematic and consistent.
- Minimize the error-prone manual testing
- Save effort of QA Engineer: fast, in the night and short testing cycle
- Some testing is not able to be done manually

Benefits of Automated Testing

<ul style="list-style-type: none">○ Production of a reliable system<ul style="list-style-type: none">• Improved performance testing• Improved load/stress testing	<ul style="list-style-type: none">○ Improvement of the quality of the test effort:<ul style="list-style-type: none">• Improved multi-platform compatibility testing• Improved software compatibility testing• Improved focus on advanced test issues• Increased testing coverage• Execution of tests that can't be done manually• Easy to take over
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False Expectations

- False Expectations for Test Automation
 - Immediate Test Effort Reduction
 - Immediate Schedule Reduction
 - One Test Tool Fits All
 - Tool Ease of Use
 - 100% Test Coverage

Advantages & Disadvantages of Automated Testing

Advantages	Disadvantages
<ul style="list-style-type: none">○ Reliable: eliminating human error○ Reusable○ Better Quality Software○ Fast○ Cost Reduction	<ul style="list-style-type: none">○ High investment is needed in the tools and training○ High man power requirement for test preparations○ A lot of testing areas left uncovered