

Integration Test Process - How To

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How to - Integration Testing

Note: "Integration Tests" in this context means system integration tests

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Integration tests usually are conducted after system tests and before acceptance tests:



Integration Test Flow

1. Tag Features with "Integration"

- During Refinement-Events or whenever a need for integration tests can be identified
- During analysis of dependencies by using tools like Kendis-Board

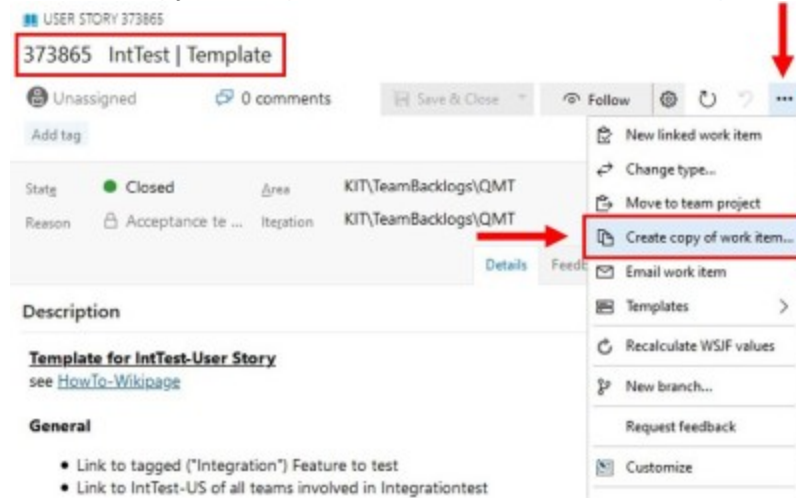
2. Create and plan tests

- Plan tests with involved teams
- Create or re-use Test Cases
- Link Test Cases to all tagged Features
- Organize int-tests (e.g. meeting, teams chat, ...)

3. Optional: Create User Stories for integration tests

- To estimate efforts in sprint planning you can create an integration test User Story

- Create a copy of template for IntTest User Stories [template of IntTest-User Story](#)



- Naming convention: IntTest | <Title> (e.g. IntTest | Anubis -)
- Synchronize IntTest-User Stories of involved teams
 - The execution of Integration tests is possible as soon as all teams have finalized their implementations (User Stories are tested)
 - Set the Iteration Path of the IntTest-User Stories to the latest sprint (or one sprint after, in case the integration tests will not be manageable in the same sprint) of the implementation User Stories
- Estimate Story Points of IntTest-User Story

4. Organize and execute integration tests

- Get in contact with involved teams of dependent systems/applications
- Set up call(s), teams chats etc.
- Execute Test Cases together, each team checking their parts
- Individual software modules are combined and tested as a group
- Document the results of the executed tests

Common Pitfalls

- Features are tagged with "Integration", but Feature is closed and no Testcase is linked or executed
- IntTest-US is in status "removed", but Feature is still tagged with "Integration"
 - If an integration test will be out of scope for some reasons, please get aligned with all involved teams and remove all IntTest-US of the related Feature and delete the tag "Integration"
- wrongly named US -> stick to the naming convention: IntTest | <Title>
 - you may mention the team name as prefix in the title (e.g. IntTest | Anubis -)
- integration test is linked to IntTest-US and not to the Feature

Further Information

Integration Test Process @Post is outlined in document below:

[Integration Test-Guideline](#)

[Contact](#) for questions or improvements