TRILOGYTD

HARVEST & TEST DIRECTOR INTEGRATION

***Author**: Tom Clark, tclark@trinem.com*

DOCUMENT VERSION

Revision	Editor	Reviewer	Comments
1.0	Tom Clark		Initial draft.

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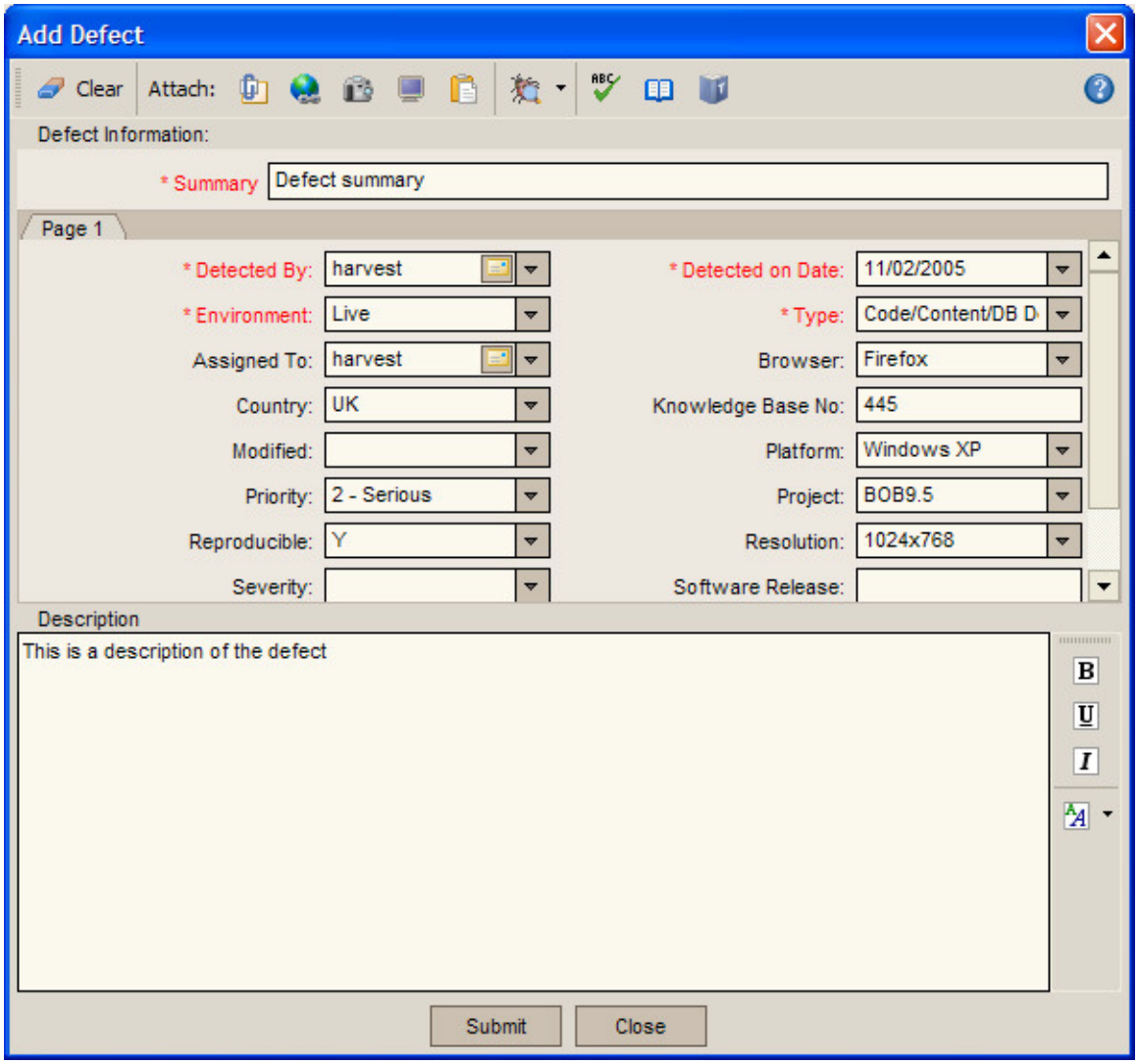
Trinem have developed a solution that provides two-way integration between Test Director's defect manager and the Harvest Workbench. This is accomplished by replicating the Test Director defect record in a Harvest form and linking it back to the Test Director database via Trinem's middleware component, Trilogy.

Process

First, the Test Director defect record form is customised in the normal way by the Test Director administrator to capture whatever details are required for the specific project. Some boilerplate code is then added to the Test Director project workflow scripts and defects are added in Test Director in the normal way:

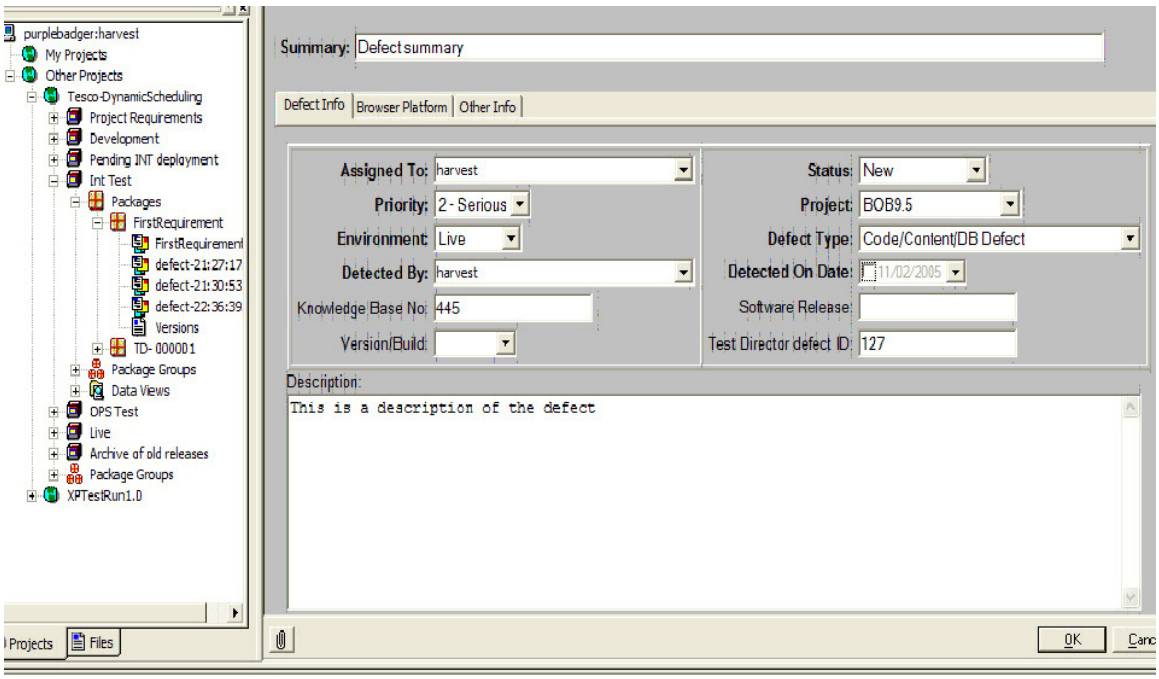


When a new defect is raised in Test Director, TrilogyTD is executed on the Test Director server via Trinem's middleware component, Trilogy. This process

automatically creates an electronic form in Harvest corresponding to the defect. The options for where the form is created are flexible depending on the requirements. For example, a defect form might be added to a 'bucket' package for assessment and assignment to work packages at a later date, or a new package can be created for each form. Mapping between Test Director projects and Harvest streams is achieved via a single configuration file.

When the form is displayed in the Harvest Workbench, a second Trilogy process again calls TrilogyTD, which dynamically retrieves the defect's details directly from the Test Director database. The content and format of the Harvest form is based on an XHTML template file located on the Test Director server. This provides a way of showing only a subset of relevant data in Harvest; fields displayed in Harvest can be omitted or displayed in non-editable elements depending on requirements.

Changes made in the Harvest form directly update Test Director. When the Harvest form is submitted, Trilogy again executes TrilogyTD which sends the updated form data back to Test Director. Integration in both directions is achieved via Test Director's published API.



Since the defect data is stored in Test Director and the information in the Harvest form is retrieved from the Test Director database each time the form is displayed, defect information is always accurate and both testers and developers work with the same information.

Business benefits

TrilogyTD provides several important business benefits:

- Single defect tracking tool

  Testers use Test Director, developers use Harvest. TrilogyTD eliminates the need for users to be familiar with a software application they don't otherwise use. Synchronization of Test Director and Harvest user groups means less management.

- Defects' status is updated automatically

  When a developer fixes a defect, they can set the status of the bug to fixed directly in Harvest. This saves a manual process where users have to update a defect's status in two places.