Perforce-User-Group 06/2004 Karlsruhe

Bugzilla & Perforce Integration TUI InfoTec

22. Juni 2004 Ralf Oyen

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Perforce & Bugzilla at TUI

- 1994-1998 1993 self-written problem database (C, OS/2-GUI, Sybase-DB)

- 1998-2001 IBM TeamConnection for SourceCodeManagement, build process and problemtracking (Defects & Features)

  - good process

  - bad performance

  - old GUI

- since 2001 Perforce for sourcecode versioning & build process

- further on using TeamConnection for defect tracking.

  - Using the bug number as first word in submit comment as a logical link from changelist to bug

- in 2002 searching for a new problemtracking-tool

- -> Bugzilla

Perforce & Bugzilla at TUI

- installing on WinNT for some tests

- then installing on IBM AIX

- using Bugzilla Version 2.17 instead of 2.16 because 2.16 was restricted to 64 products and some other new features

- 3/2003 migration of all bugs from TeamConnection to Bugzilla including the history

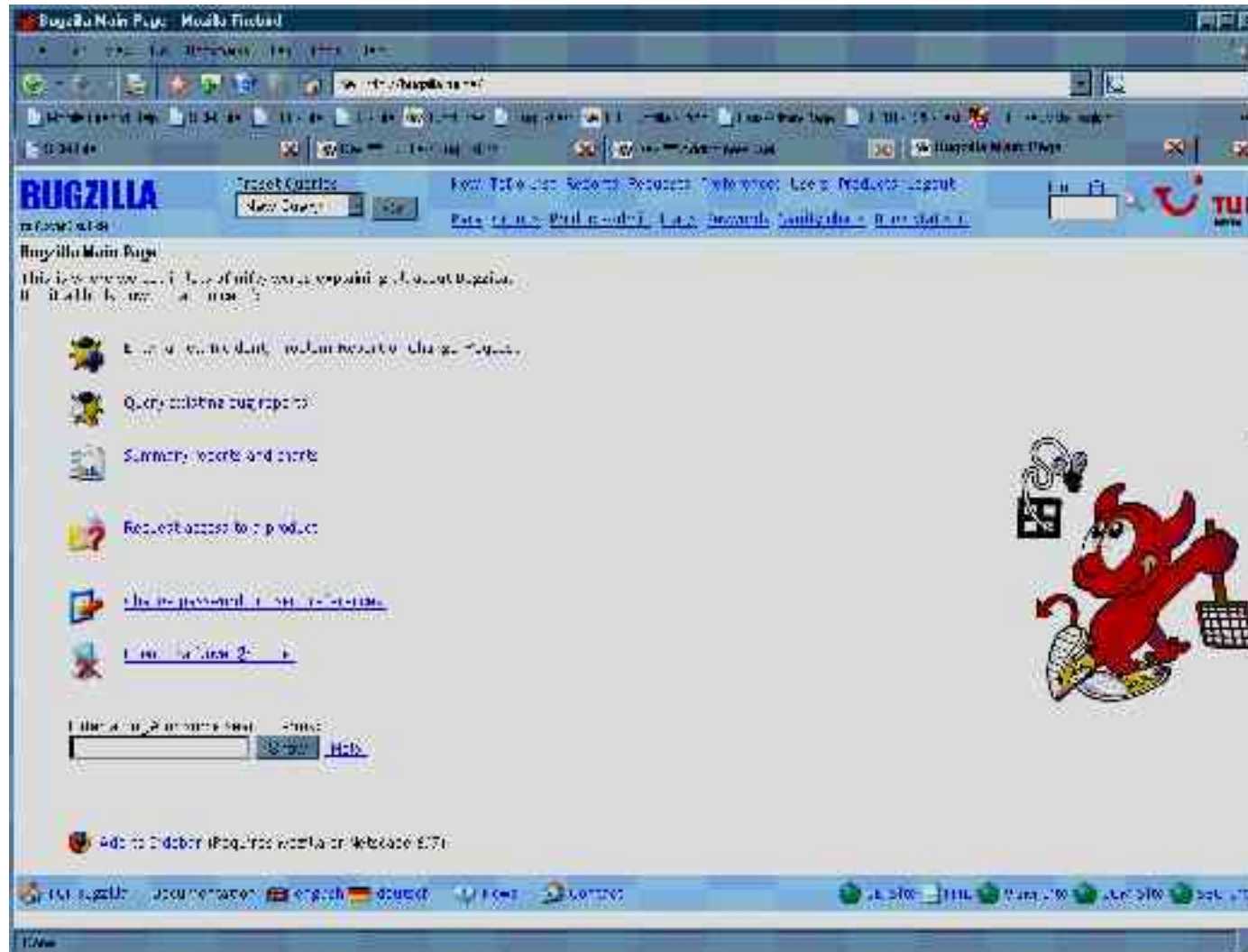- further on using the bug-number as first word in submit-comment

World of TUI

Perforce & Bugzilla at TUI

Why not using P4DTI ?

- P4DTI not available for Bugzilla 2.17

- P4DTI synchronizes all bugs and allows user to change P4-Jobs

- not installed in 5 minutes ;-)

- use of weak connection between both tools was ok

- no requirement from developer

Perforce & Bugzilla at TUI

Our own integration

- Simple idea was born (between christmas and new year)
  to connect both tools:

- defining additional fields in p4 jobspec

- restricting all fields to ‚once' so they can't be changed from developer

- synchronizing the Bugzilla-Bug-Data without history to p4 jobs

- on each bug-change in Bugzilla: synchronize the data to p4 jobs

- additional creating a link in job-desription to Bugzilla-bug

- using ‚Change xxx' in Bugzilla-comment creates a link to p4web

- submit-trigger in p4d fixes automaticly the bug found in the first word in
  submit-comment

D:\P4Client\oyen\scm\entw\src\perforce\p4gug\2004_06_22\DefectTracking_And_Perforce_At_TUI_InfoTec.ppt
TUI InfoTec, SoftwareEngineering, Ralf Oyen | 22. Juni 2004 | Seite 5

World of TUI
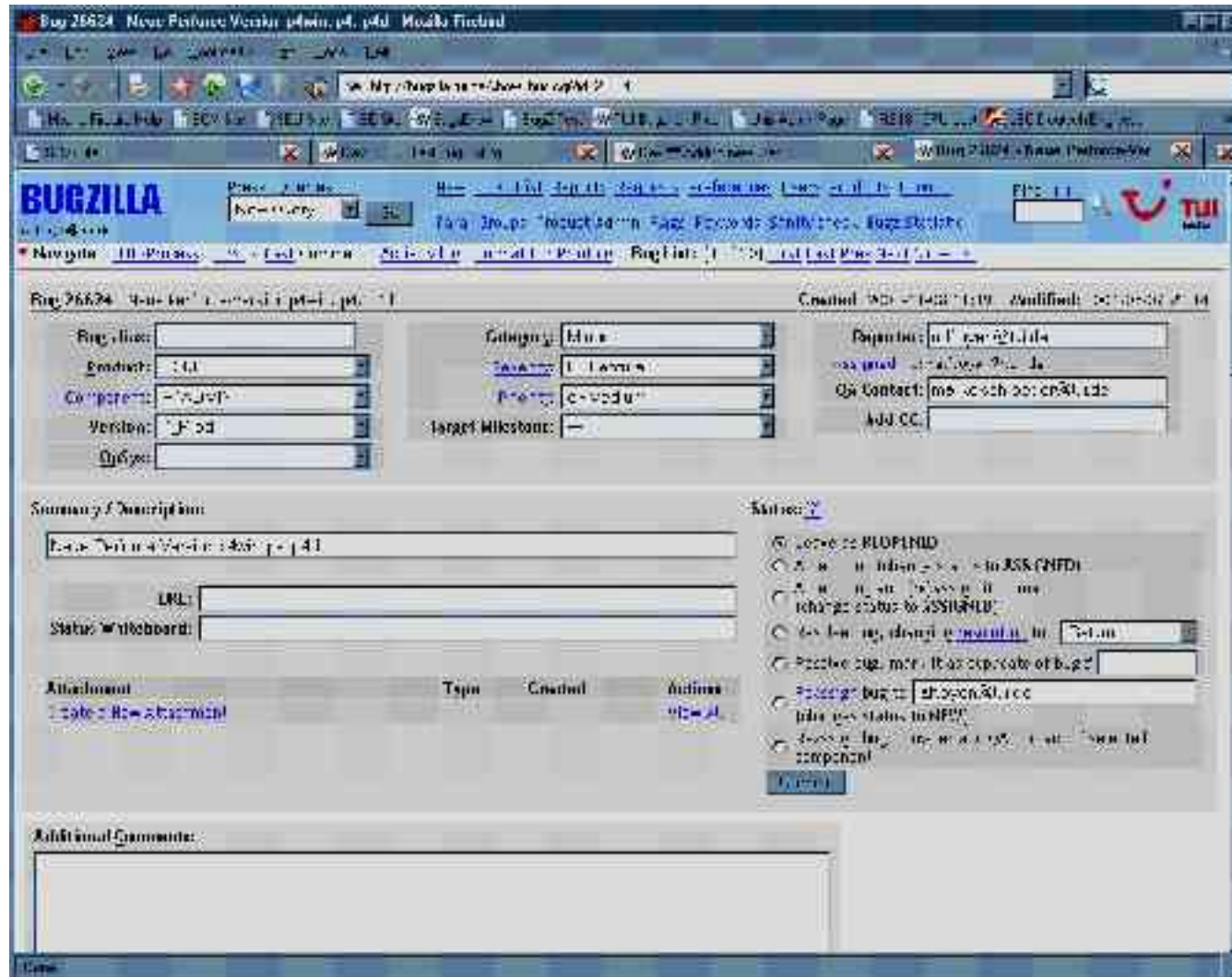
Perforce & Bugzilla at TUI
Bugzilla-Main-Page

Perforce & Bugzilla at TUI
Edit a Bug
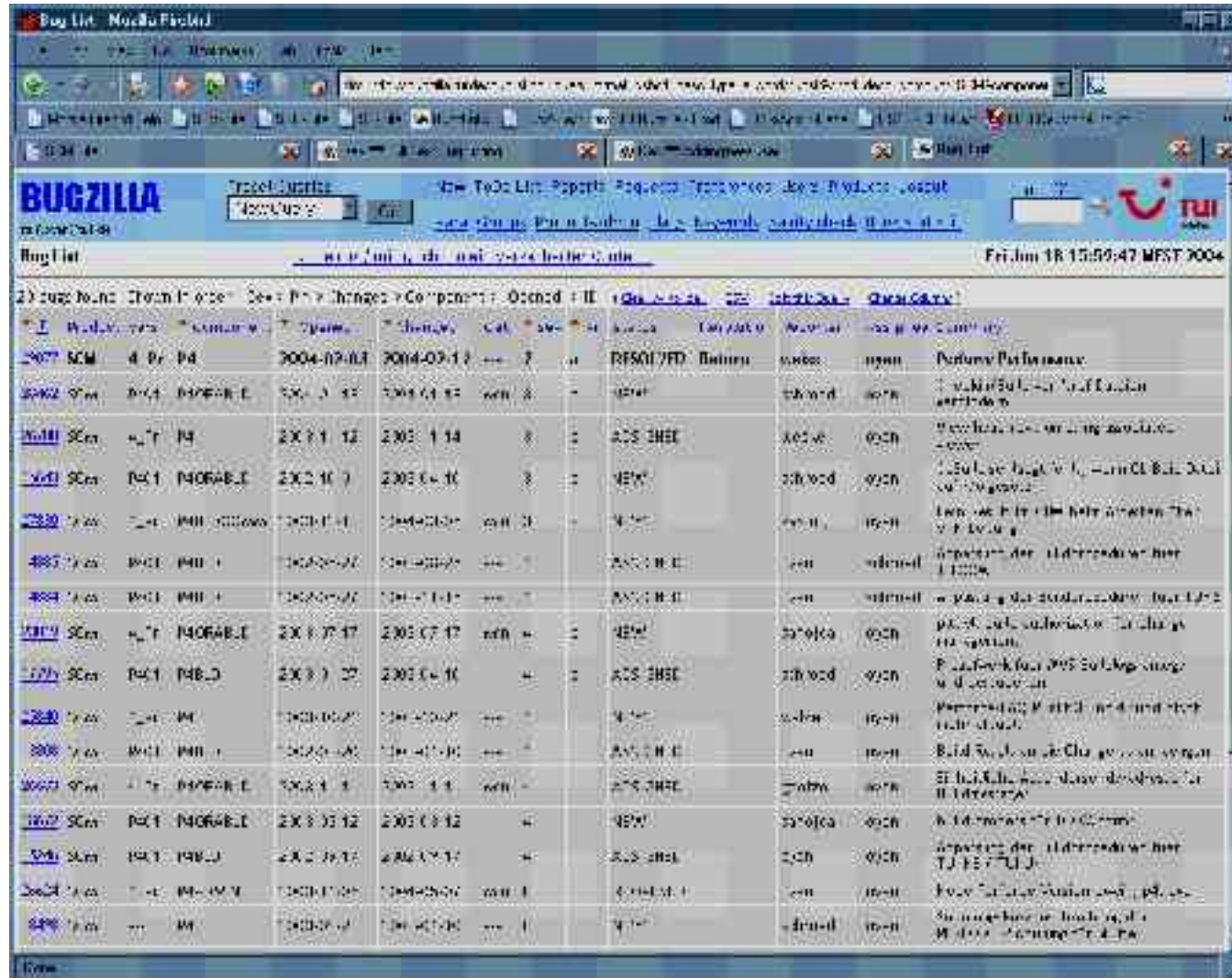
Perforce & Bugzilla at TUI
Display a Bug-List

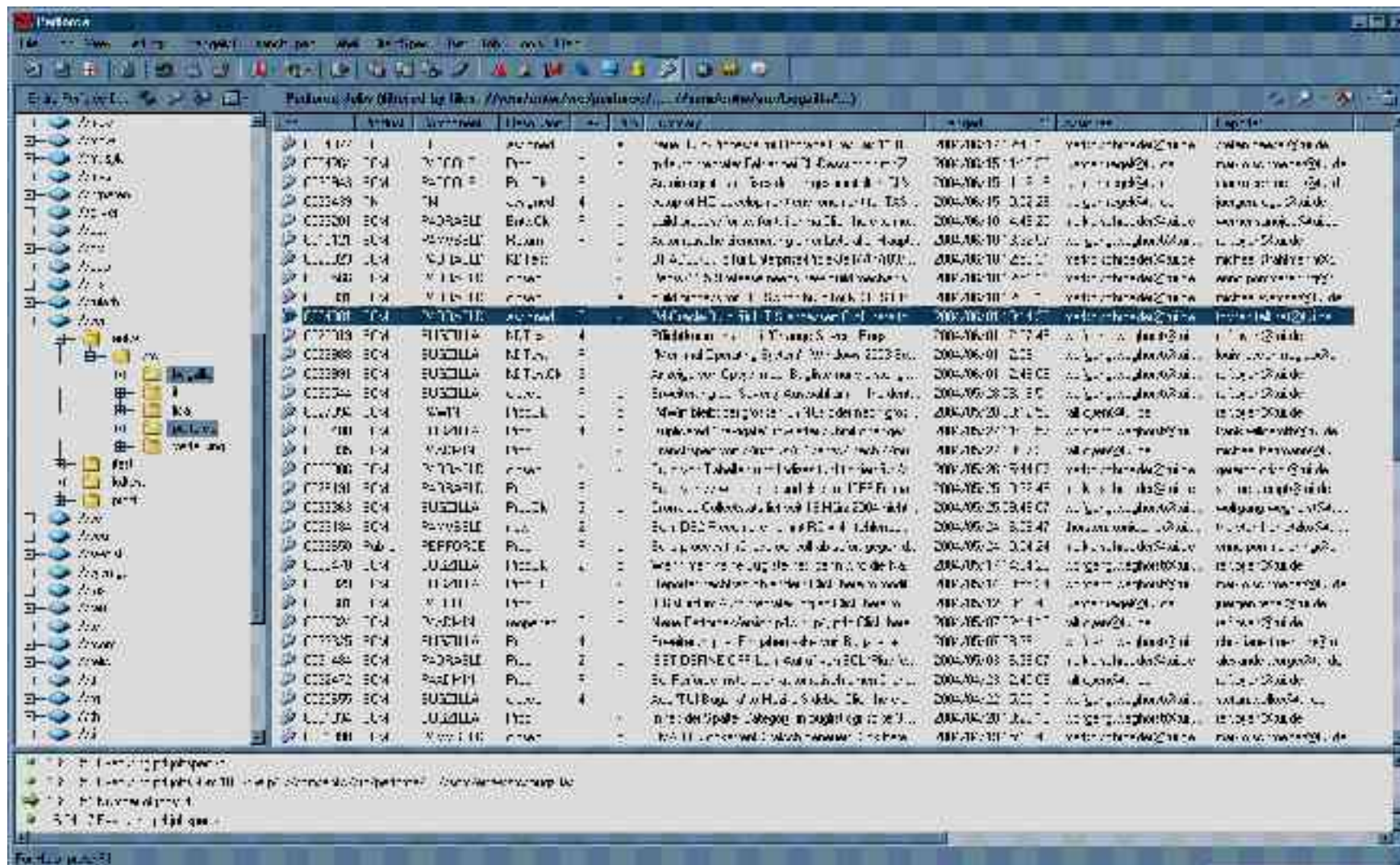# Perforce & Bugzilla at TUI
Changelist-Number as a Hyperlink to P4Web
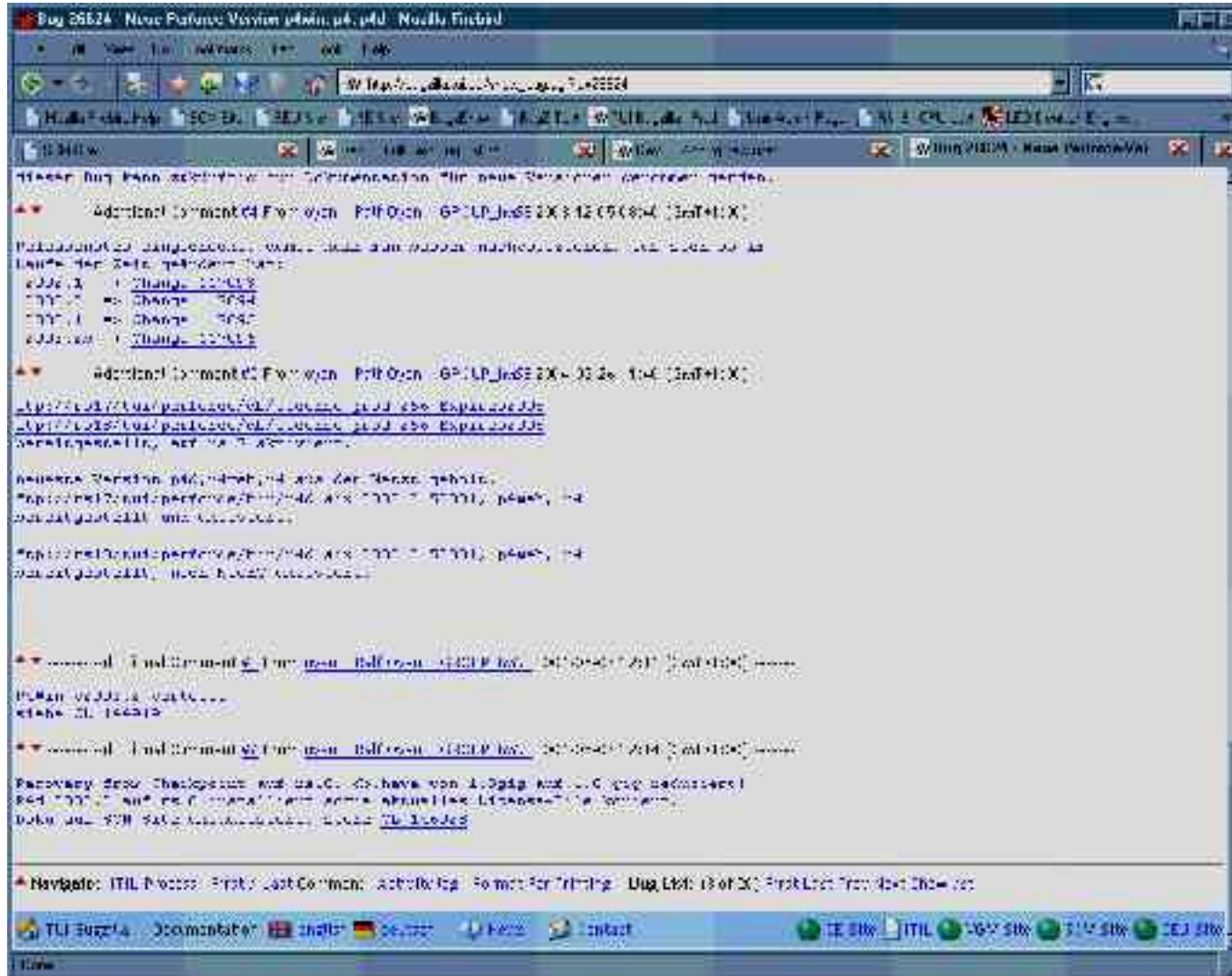
Perforce & Bugzilla at TUI
Jobs in P4Win synced from Bugzilla

Perforce & Bugzilla at TUI
Display Fixes for a Job

Perforce & Bugzilla at TUI

Benefit:

❶ simple integration:

    ❶ only few code-changes in Bugzilla

    ❶ „simple" submit-trigger in p4d

❶ easy to use for developer

❶ > 35.000 Bugs/Jobs

Problems:

❶ Developer has to use Bugzilla to make changes (no real problem)

❶ no history available in P4Win (no real problem)

❶ No security in P4Win, all users can see all jobs -> RFC ;-)

vielen
Dank

und
Tschüss