z/TPF EE V1.1
z/TPFDF V1.1
TPF Toolkit for WebSphere® Studio V3
TPF Operations Server V1.2

IBM Software Group

TPF Users Group Fall 2005

TPF Toolkit
Version 3.0 overview

Mary Huang
Development Tools subcommittee

AIM Enterprise Platform Software
IBM z/Transaction Processing Facility Enterprise Edition 1.1.0
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Key enhancements in V3

- z/TPF application development support
- Single Source tools
- Target Environments
- SSH support
- Enhanced C/C++ editor support
- Enhanced memory views in debugger
- TPF Dump Viewer
- ECB Monitor
- Migration support from v2.0.x to v3.0
- Administrative features

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z/TPF application development

- Connectivity to Linux for z/Series
  - Access files
  - Submit builds
- Editor support for z/TPF assembler macros
- MakeTPF based builds for z/TPF
- Load to z/TPF (using LoadTPF)
- z/TPF Debugger support

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TPF 4.1 to z/TPF Migration

- Single source tools to identify and convert TPF 4.1 Assembly and C/C++ application source files
- Wizard to convert TPF 4.1 build scripts to MakeTPF makefiles

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Single Source Tools

- Convert TPF 4.1 Assembly and C/C++ application source files
- Review errors reported by scan in Error List.
- Use "Quick Fix" to insert a fix for problem on the spot
- Compare original file with a converted version of the file
- Preserve original source lines as comments when tools automatically correct single source errors
- Mark lines with changes made by the tool
- Enable/disable subset of required changes to detect
- Maintain single source compatibility of converted files
- All required single source changes listed in TPF Toolkit help.
- Demo

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Target Environments

- Pre-defined configurations to customize the edit/compile/load/debug settings for application development
- Ability to create multiple sets of named configurations
- Made up of Building Blocks
  - Build and Link Options
  - Build Mechanism
  - Editor Options
  - Load Options
  - Menu Options
  - MakeTPF Options
  - Target Environment Variables

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Target Environments

- Examples of Target Environments usage:
  - each deployment (target) system
  - different PUT levels
  - each release/version of system
  - each subsystem (BSS, BAS, etc)
  - and more…

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Target Environment

- Demo
  - Two TPF 4.1 environments
    - RELEASE environment
      - version that is already released to production/customer
      - PUT 18
      - Build and link options to pick up appropriate versions of dependent files (C/C++ includes, macros, etc).
      - Editor options to provide PUT level specific content assist, F1 help and auto-comments
      - Load options
    - INTEGRATION environment
      - version that is under current development
      - PUT 19
      - Build and link options to pick up appropriate versions of dependent files (C/C++ includes, macros, etc).
      - Editor options to provide PUT level specific content assist, F1 help and auto-comments
      - Load options
  - Demo

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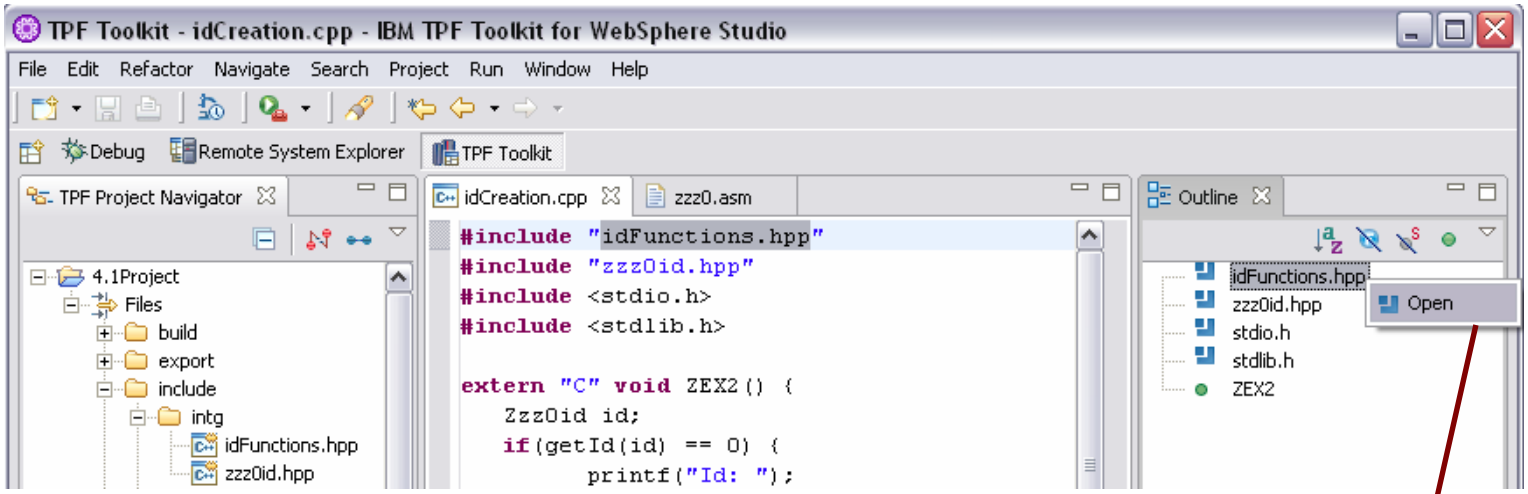

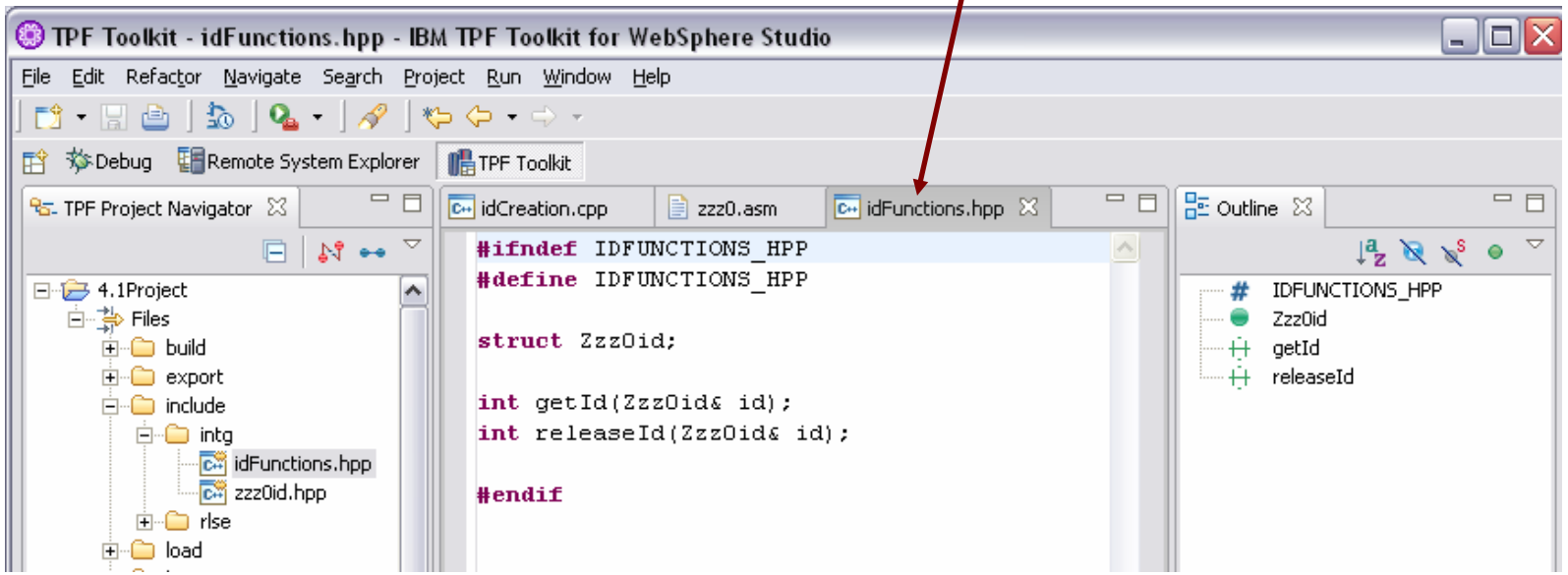

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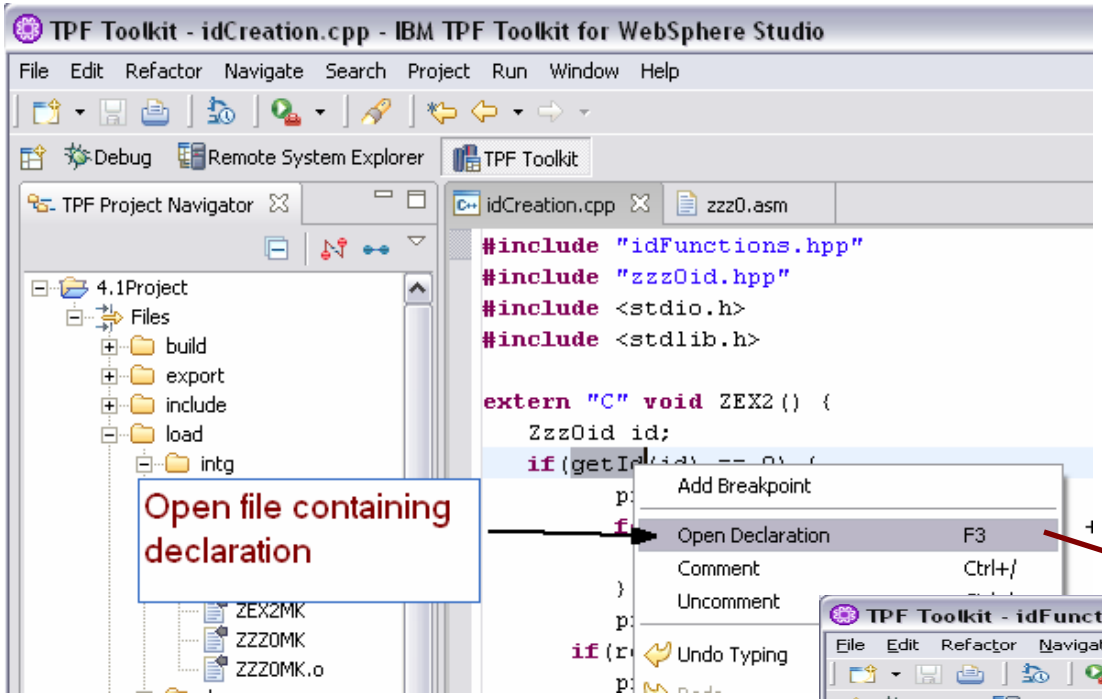

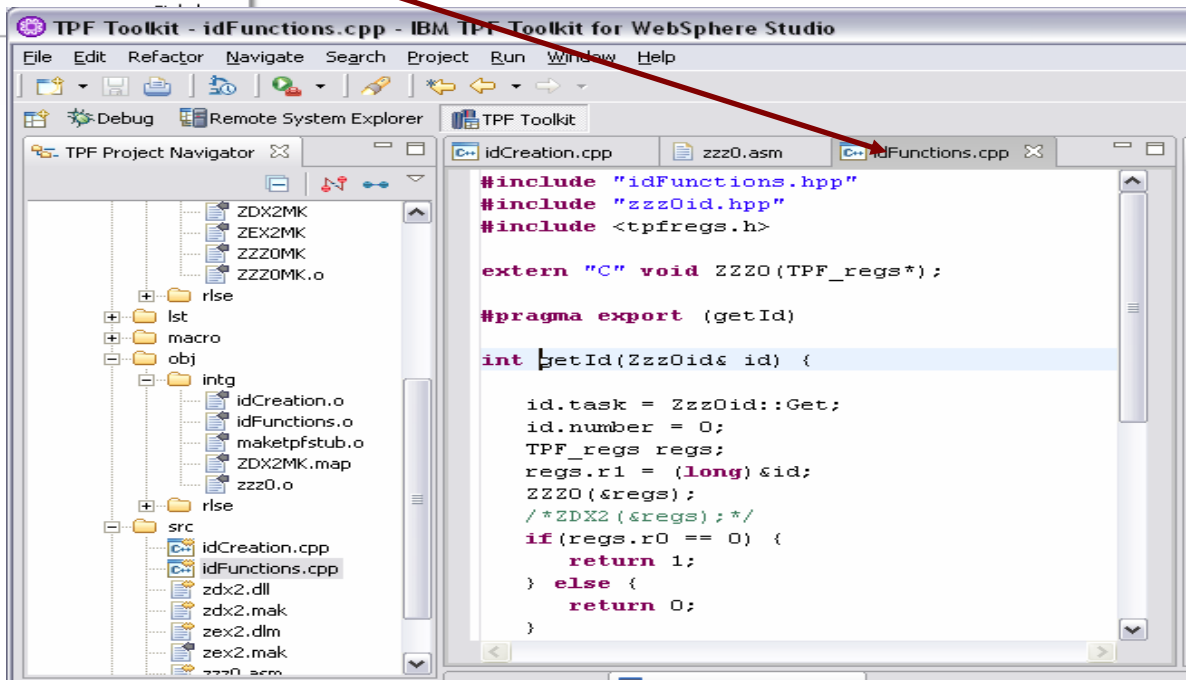

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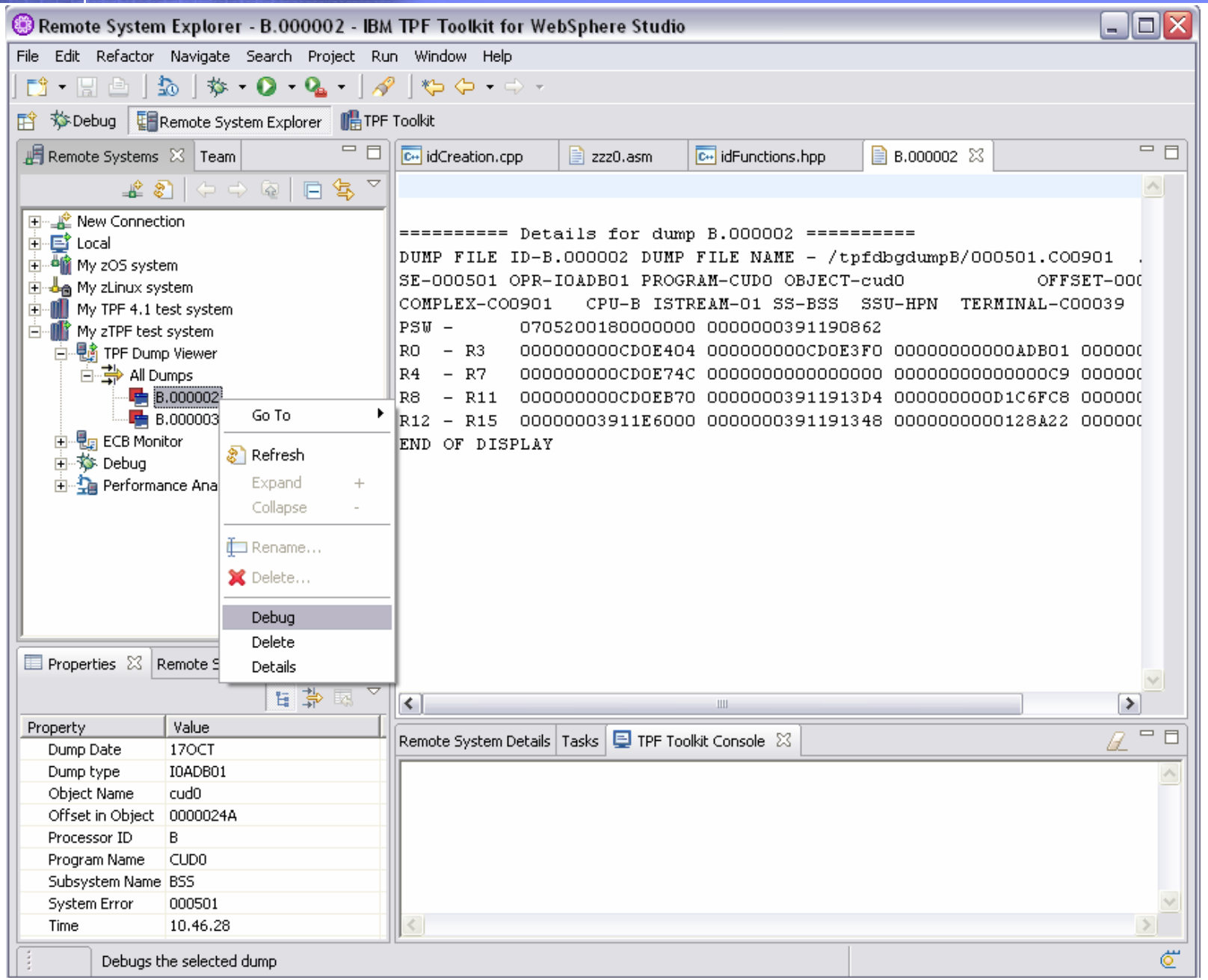

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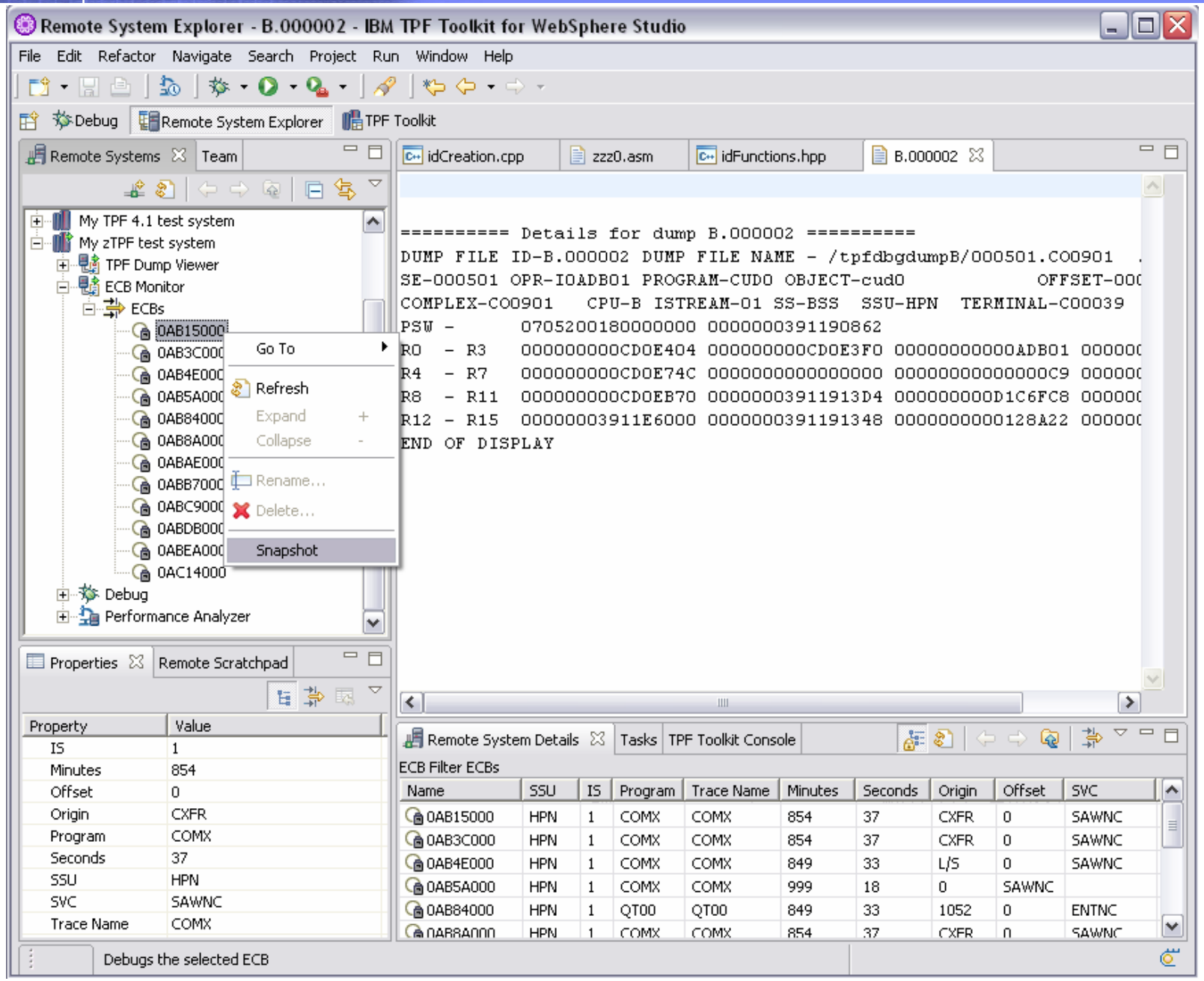

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