VNUG
2010

Tradition meets Modernity

Eclipse for Cobol85, Screen Cobol and Tal

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Agenda

- Traditional software development

- What is Eclipse

- The CommitWork Developer Suite

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Traditional software development

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Traditional software development
Tools:

- Used Editors:
  Edit   (line mode)
  XVS (block mode 24 x 80)
  Tedit (block mode 48 x 80, split screen)
  FTP with PC-Editor

- Usage of the compilers:
  Run-Commands
  Obey files
  Tacl macros

- Compilation results
  Peruse

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Traditional software development
Tools:

- Version control:
   roll your own

- Source scans:
   Tacl macros (grep)

- Historical comparisons
   Manually or third-party

- Generation of SQL code
   Manually or third-party

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Traditional software development
the challenges:

- ## Who is at home in this subject ?
  In most cases one person only

- ## Who could administer these tools ?
  The one from above, if he is not sick, not on vacation & not retired yet

- ## Can someone expect young developers to use such an environment ?
  Certainly not,
  or do you have any volunteers, willing to join a "Legacy" NonStop developer team ?

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What is Eclipse

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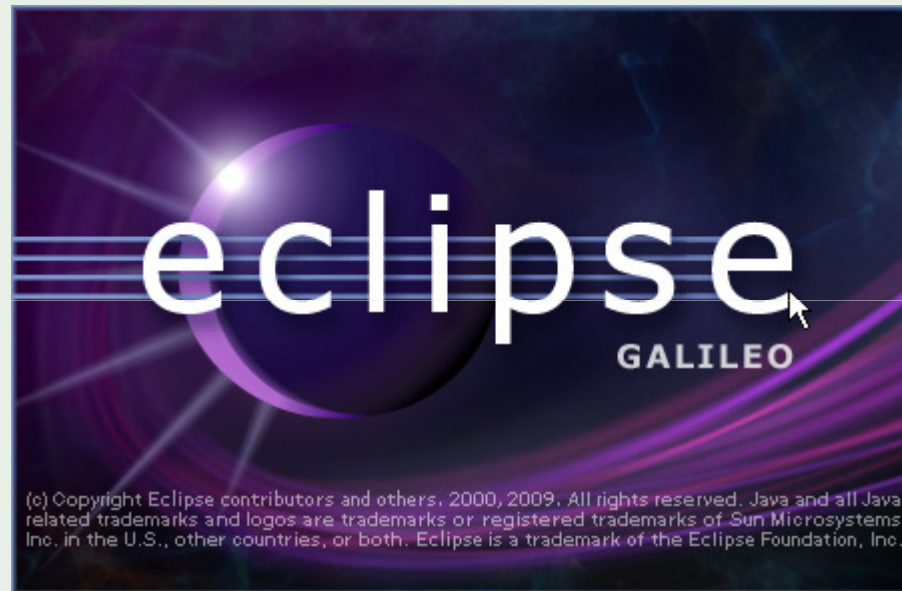
What is Eclipse

Eclipse is an Open Source software development toolset for different programming languages consisting of an integrated development environment (IDE) and a huge amount of plug-ins.

Originally written in Java, Eclipse was used to develop Java applications and in the mean time it can be used
- because of the huge plug-in set - for other languages as well, including C, C++, COBOL and others.

Source: Wikipedia

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What is Eclipse ?

Eclipse is including:

- Views:
    Project catalog
    History
    Protocol

- Editors:
    Individual editors for each language
    Syntax highlighting
    Historical comparsions

- Perspectives:
    Individual arrangement of menues, views and editors

Eclipse is
    one environment for the perfect software development

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What is Eclipse

- Integration of the Concurrent Versioning System (**CVS**).

- **CVS** runs well on the NonStop

- An alternative for **CVS** could be **Subversion**

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Eclipse – compare with history

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Where to find Eclipse

http://www.eclipse.org/

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Commitwork Developer Suite

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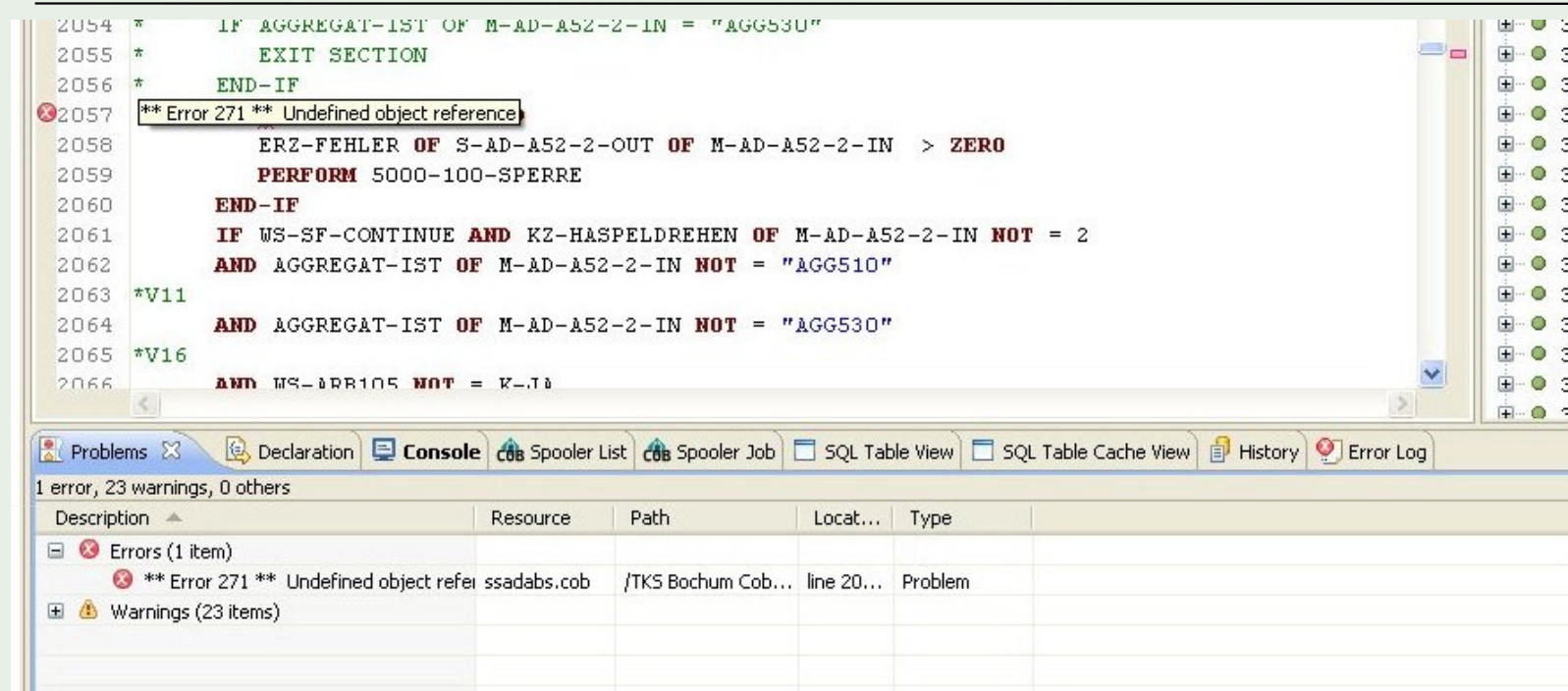# The highlights at a glance

Just one click

One click you can see the last page of your compiler output

3 options:

- Delete the job

- Show the complete list

- Only show the compilation errors and mark them in the editor

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Just another click
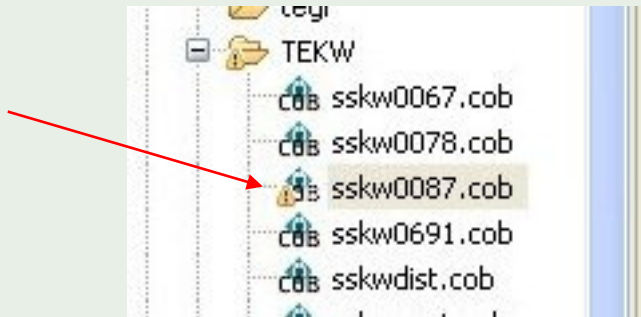

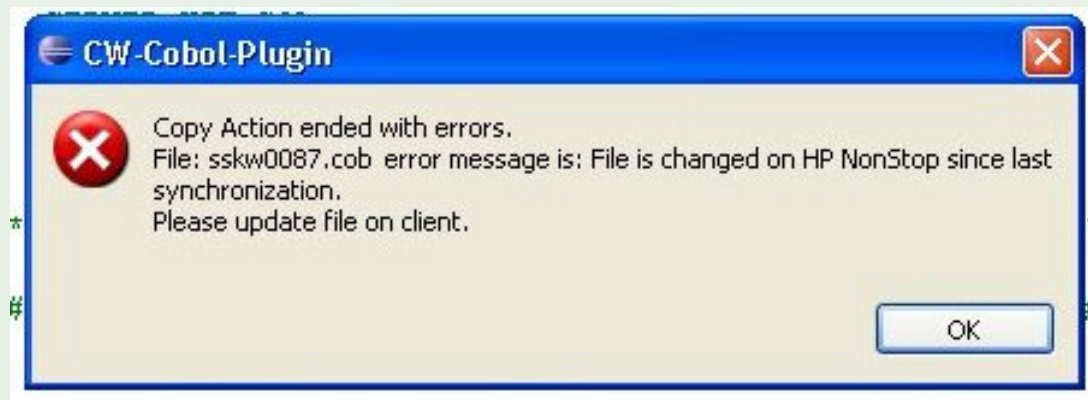The compilation errors are marked in the editor

- Tooltip
- Sidebar

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Protect Sources on the NonStop Server

Outdated sources are marked in the project view

Sources on the Server are protected against overwriting

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SQL-generation

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SQL-generation

generated code

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Commitwork Developer Suite

- All benefits from Eclipse included

- Integration into your existing development environment

  Utilization of your existing compile macros
  Spooler view

- Powerfull editors for Cobol (Cobol85 and Screen Cobol),
  Tal (in preparation)

  Showing the compile errors within the editors

- Generation of SQL statements

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Questions?

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