

Dr. Dobb's Tech Digest

- DevOss

- Open Source

- Windows and .NET programming

- Windows and .NET programming

- The Design of Messaging Middleware and 10 Tips from Tech Writest

- Parallel Array Operations in Java 8 and Android on x86: Java & kathe interface and the Android Native

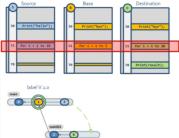
133
January - Mobile Development
February - Parallel Programming
March - Windows Programming
April - Programming Languages
May - Web Development
June - Database Development
July - Testing
August - Debugging and Defect Management
September - Version Control

September - Version Contro October - DevOps November- Really Big Data December - Design

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- January - C & C ++
- February - Parallel Programming
- March - Microsoft Technologies
- April - Mobile Development
- May - Tatabase Programming
- June - Web Development
- June - Web Development
- August - Alia B. Development Tools
- Seglember - Cloud & Web Development
- October - JWH January - Movember - Testing
- December - DevOps

Let's go back to the three-way merge with a manual conflict that we just solved, and let's check out the branching structure (well, at least one very simple branching structure); see Figure 7:



- Changeset 3: someone working on the "main" branch performed the change of the Print("hello") line
 Changeset 4: meanwhile, on branch "task001," you were doing the addition of the Print(result) at line 70.
 And you bo

Now, you want to merge the latest changes coming from "main" into your branch "task001." The version control system will find the nearest common ancestor of changesets "3" and "4" and it will use the graph above. The result in this simple case is changeset "1." The "base" version will be retrieved from changeset "1" to do the merge.

Once you solve the manual conflict on line 51, you will be checking in on the branch "task001" and creating a new changeset "5" as in Figure 8:

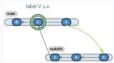
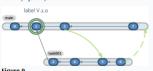
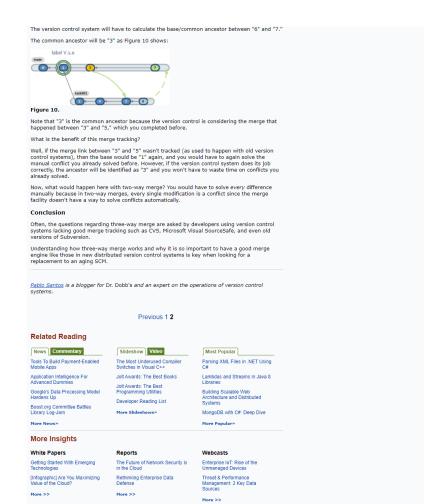
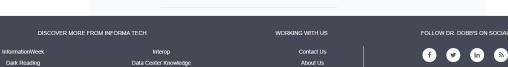


Figure 8.

Now development continues; somebody will be creating more changes on "main" while you perform a new checkin on "task001." And then you decide you have to merge "task001" back to "main" (Figure 9):







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