



Problem

- Many people working on project
 - How to keep track of changes?
 - How do you eliminate bugs as early as possible?
-
- Example: 100 modules, 10 developers, 20 versions of every module – every developer changes 1 module a day
 - Since yesterday, programmers changed 10 modules – if something doesn't work – what am I going to do?



Examples

- Identification & Tracking
 - „Yesterday, this still worked!“
 - „I already fixed this last week!“
 - „This is obvious improvement. Has this already been tested?“
- Version selection
 - „Has everything been compiled?“
 - „How do I exclude this flawed change?“
 - “How to configure a test with my changes only?”



Solution

- Identification of configuration items
- Change control
- Status accounting
- Auditing
- Build management
- Process management