

Support for distributed development

- AccuRev's TCP/IP-based architecture natively supports distributed development over the WAN.
- AccuReplica provides performance enhancements with minimal administrative overhead for large remote teams.
- The replica server is transparent and does not require the end user to know additional commands or use different functionality. Remote users work as if the entire team is co-located, checking their changes into the same configuration as the main users. All users, at both the main and replica sites, have complete visibility into the entire project.

Conclusion

As development organizations move toward Agile development methodologies, they should also consider the new requirements for software configuration management that are a result of changing methodologies. In particular, the software configuration management system must:

- Provide visibility into changes made for each task and support the ability to work by task instead of by individual file, to merge changes from one configuration to another, and to revert changes for a task if needed
- Provide a simple mechanism for creating and maintaining private branches and for merging changes from the main code line to the private branch, and vice versa
- Easily integrate with the continuous integration server
- Provide an easy mechanism for rolling back to the last good integration version
- Support the simple creation of a hierarchy, give visibility into the changes at each stage, and enable straightforward merging between stages
- Support file and directory rename and move operations and track the operations as part of the element's history
- Allow the distributed team to work together from a central repository

References

1. **Agile Software Development with Scrum**, Ken Schwaber and Mike Beedle, Prentice Hall, 2001.
2. **eXtreme Programming Explained: Embrace Change**, Kent Beck and Cynthia Andres, Pearson Education, 2004.
3. *Agile Software Development Processes, A Different Approach to Software Design*, Everett R. Keith, 2002.

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