



CONTINUOUS INTEGRATION USING LABVIEW, SVN AND HUDSON

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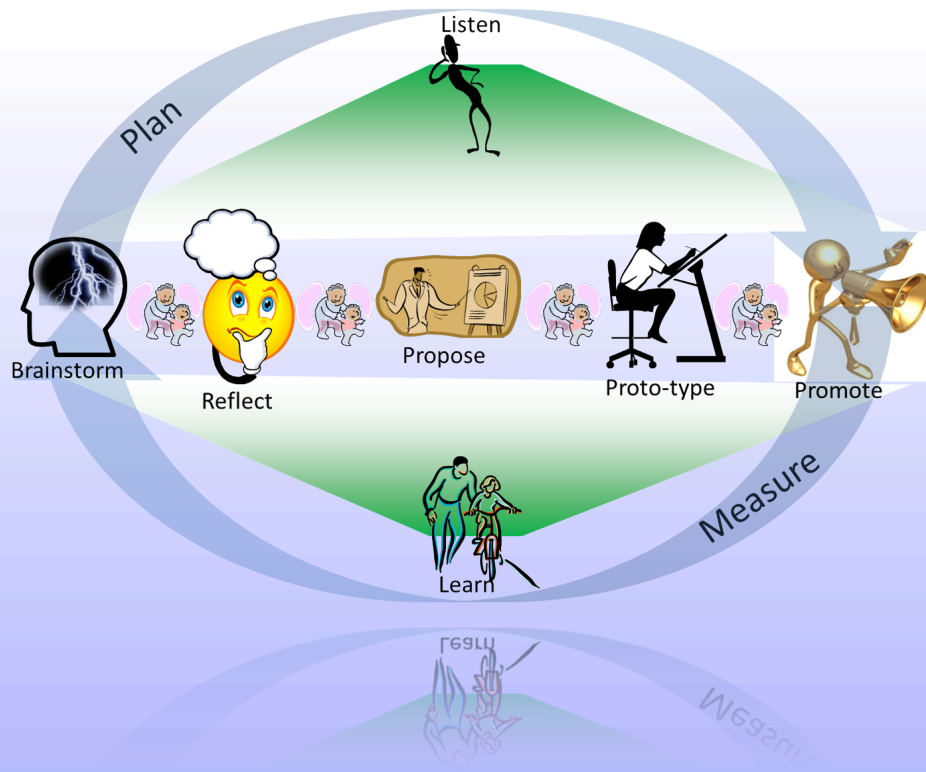
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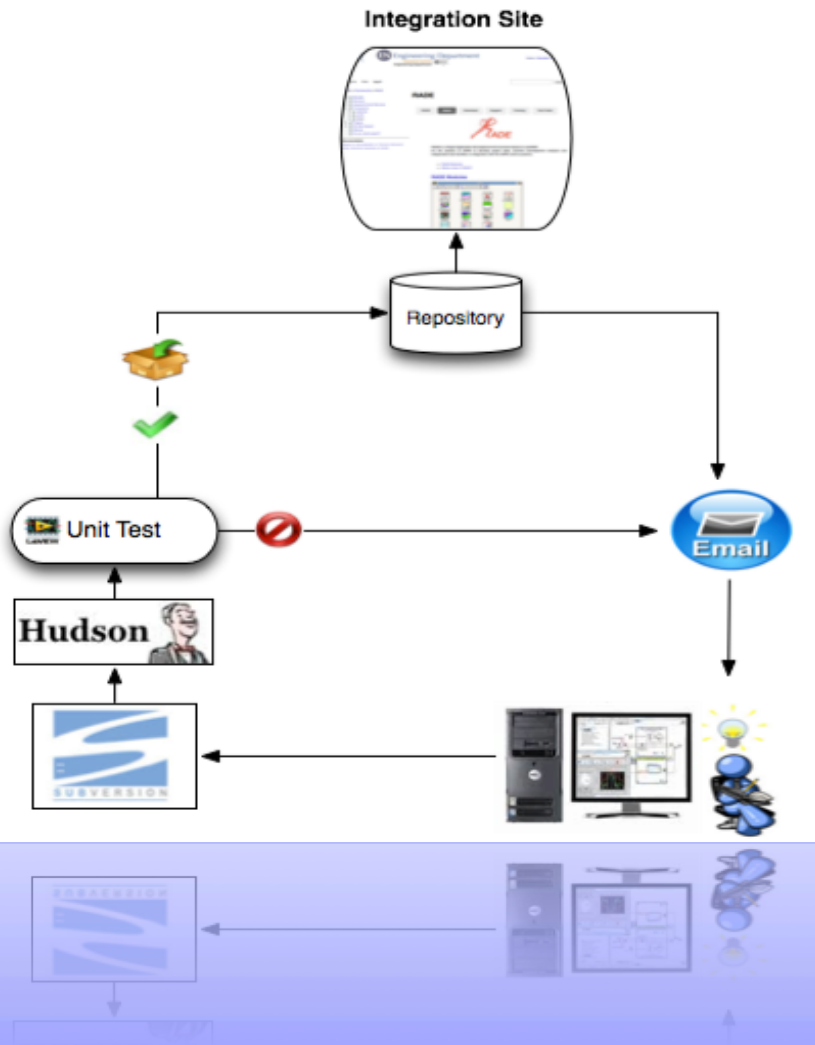
Development Methods



Agile methods

- Small increments
- Minimal planning
- Cross-functional team working on all aspects
- Demonstrated to the stakeholders frequently
- Minimizing risks
- Fast changes and adaptations.

Continuous Integration Principles



- Changes tested immediately
- Less complex/smaller errors
- Defects detected early
- Instant feedback
- Automatic documentation generation

Main Challenges

- Graphical tool in a GUI-less environment
- Certificates and authentication
- Suppressing native popups and graphical system messages

Result

- Reduced delivery time (from 1 week to 1 hour)
- Software quality
- Update frequency
- Small maintenance overhead