Project Update

Eclipse Unconference
IoT Working Group
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Project Overview

- Framework for distributed industrial automation and control
- Implements IEC 61499

4diac-ide

4diac-rte (FORTE)

Control Applications
Execution Environment
Target System Abstraction
Target system

4diac-libraries

4diac-systems
Project Status

- +1 committer
- +1 active member company
- 10 contributors
- Issues
  - ~508 opened
  - ~332 closed
- Commits
  - ide: ~756
  - rte: ~290
- 115 forum threads
- 6,342 downloads on sf
- 22,435 Website hits

1st Eclipse Release
- 4diac-ide @ Eclipse Git
- 10y dev. history (svn, hg)
- ~900 commits
- Code cleanup (-200 gen. files, -200 hand written files)
- Dynamic loadable types (embedded LUA engine)
- +3 HW platforms (Bosch XM 22 IndraControl INSYS icom MR-router, uMIC 200)
Project Plan

- **Transfer to Eclipse**
  - Legal clarification for
    - 4diac library
    - 4diac examples (systems)
- **Support Subapplications**
- **Stabilization after code cleanup**
- **Develop a feasible Milestone plan**

→ **1.9.0 first Eclipse hosted release**
Collaboration Opportunities

**Eclipse IoT:**
- NeoScada
- MILO *(OPC UA)*
- Paho *(MQTT)*
- Unide *(production performance management protocol)*

**Research Projects:**
- BaSys4.0