

EclipseCon Europe 2014 UnConference / IoT

Eclipse Concierge Project Update

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Eclipse Concierge

Goals

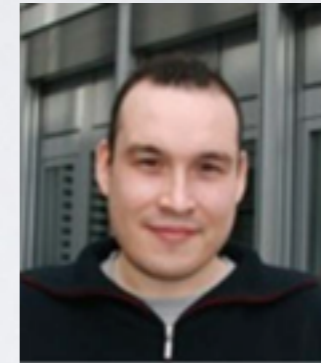
- Full OSGi core R5 compatibility
- Keep a small footprint to work well on embedded devices
- Remain “readable”
- Remain backwards-compatible
 - Java 1.5, Java 1.4 ?
- Being a sandbox for innovation around OSGi
- See JavaOne presentation:

[Building Small and Efficient Internet of Things Applications with Concierge](#)

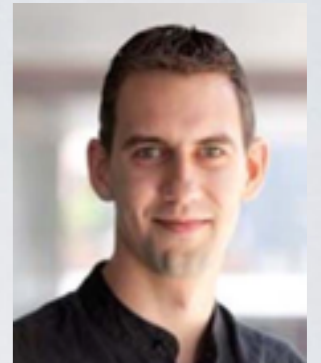


Eclipse Concierge

- Project stats:
 - #downloads: no release until now
 - #contributors: 3 committer
 - #bugs: 32 (20 closed, 8 needs updates, 4 open)
- Project plan: first release end 2014
- Key challenges:
 - Full OSGi R5 compliance (1 test missing)
 - Eclipse projects are close linked to Eclipse Runtime, Equinox, difficult to move over to Concierge (e.g. `org.eclipse.core.runtime`, EMF, ...)
- Collaboration Opportunities:
 - Kura, SmartHome, Paho, Californium
 - have a common stack for an IoT gateway



Jan Rellermeyer




Tim Verbelen

Eclipse Concierge

Getting Eclipse SmartHome running on Concierge

- See progress on <https://github.com/JochenHiller/concierge-tests>
- >100 bundles can be installed/resolved, EMF/xText does not work
- Missing parts as Concierge extensions (PackageAdmin, CondPermAdmin, XMLParser) to make framework as small as possible
- Bugs opened for multiple Eclipse projects (Equinox, Kura, Jetty, EMF/xText)
- Challenge getting EMF/xText running on Concierge: hard dependencies on org.eclipse.core.runtime

Thanks!

 Jochen Hiller
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