



**ALLSEEN
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Technical Steering Meeting

April 21, 2014

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Reminder:

This call is being recorded

Agenda

- Approve minutes from last call
- Update from Infrastructure and Tools committee
 - Progress on Jenkins deployment and roadmap
 - Call for more membership participation in I&T committee
- Developer Documentation
 - Changes are in the works
- Data-driven API Proposal discussion
 - Working group or project under core or other WG?
 - Vote on approval to proceed
- Gateway working group proposal
 - Back on track – presentation by Affinegy on next call
- May 1st Hackfest is fully subscribed

Infrastructure and Tools Committee Update

Mathew Martineau

Tools and Infrastructure Committee Chair

Jenkins Progress

- Verification builds are running on Linux, Windows, and OS X
- Every change uploaded to gerrit for core/alljoyn and core/ajtkl for code review is automatically built
- Build success or failure is recorded in gerrit

Jenkins Roadmap

- Dynamically add build machines to minimize delays
- Automated builds for Android and Unity platforms
- Automated builds for other working groups
 - Requires working group involvement
- Build SDKs with Jenkins

Developer Documentation

Summary

- Reorganizing developer content on website, beginning in 14.06 timeline
- At next week's TSC meeting, will present proposals for:
 - content strategy and organization
 - tool for collaborative content management

Why?

- Docs need new organization as AllJoyn has grown
 - Existing strategy of augmenting the existing content no longer works; needs a refresh
 - Need organization that will support future services and platforms
- Existing tool requires too much work to edit
 - Therefore, lots of content is stale
 - Need tool that scales to support multiple companies and contributors

Data-driven API Proposal

Summary of contributions

R14.06

- Extend type system
- Marshaling improvements for C/C++
- Prototype data-driven C++ API

R14.10

- Data-driven API for C++, Android, and Thin library
- Language binding support for extended type system
- Documentation
 - best practices for data model definition
 - data-driven API reference guide
 - data-driven API user guide

Where does the project fit?

- Core WG
 - Depends on core extensions to introspection
 - Adds, extends, or replaces existing APIs
- Development tools WG
 - Code generation is key component
 - Project focus is enhancing developer experience
- New WG?
 - Project scope is broad and ambitious
 - Promotes a layered approach that maintains backwards compatibility

Question raised by membership

- Current type system uses XML
 - Based on original DBus introspection
 - Formalized with a more rigorous schema
 - Data driven API proposal extends this
- Input from membership (Ilya Dmitrichenko)
 - Why not JSON rather than XML
 - More compact and easier to parse
 - *Timing would be right to make this change*

Thank You.