



**ALLSEEN
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**Data-Driven API
Working Group
Status Call**

**November 28, 2014 –
Technicolor/Qeo LLC**

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This call is being
recorded**



Agenda

1. Introduction
2. Activity overview
3. Data-driven API status



Introduction

Introduction

- Data-driven API (DDAPI) philosophy
 - Alternative API for the AllJoyn framework tailored to use cases for IoT (M2M)
 - Data-centric publish-subscribe paradigm
 - Unified approach to discovery and session setup
 - Simple API build for the application developer
- AllSeen Core v14.12 improvements for DDAPI
 - Make PropertyChanged function object instance based (ASACORE-47)
 - Notify other peer also when last object is removed (ASACORE-915)
 - Allow an application to join a session it hosts itself (ASACORE-916)
 - Standard mechanism for subscription to and delivery of signals (ASACORE-917)
 - Automatic presence detection (ASACORE-918)



Activity overview

Activity Overview

- DDAPI 14.12
 - Introduction of callback API for consumer method replies
 - Documentation: update tutorial & readme, integrate with Alliance documentation
 - Start work on DDAPI OpenWRT feed
 - To be integrated with core/openwrt_feed
 - Need integration of AllJoyn code generator as host tool in OpenWRT's build system
 - Push latest and greatest for DDAPI & codegen out to the Alliance repositories
 - DDAPI: merged
 - Codegen: change set is pending review

Activity Overview

- Core contributions
 - Major testing effort for ASACORE-47
Critical for DDAPI 14.12 release
 - Functional testing for C++ language binding
 - Including negative, stress & memory profiling
 - Including backward compatibility testing (14.02/14.06 AJ apps can communicate with 14.12 AJ apps)
 - Some issues detected, some fixes pushed to the Alliance, some memory/looping issues under investigation, some issues reported via the Alliance's Jira





Data-driven API status

Data-driven API Status

- On track for 14.12 release
- Depends on
 - Core R14.12
 - Code Generator R14.12
- Platform/language binding support
 - Linux/C++
 - OpenWRT/C++
- Feature freeze: early next week
one small feature yet to add
- Start of QA cycle: next week
- Goal: ready for the release by the end of 2014
It does not makes sense to release before core & codegen, though



Thank you

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