Technical Steering Meeting

Aug 25, 2014

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Reminder:

This call is being recorded

Agenda

1. Approve minutes from previous meeting

2. Vote on release proposal

3. Update from Developer Tools WG

4. Analytics Proposal from Telient

5. Hackfest update

Vote on release proposal
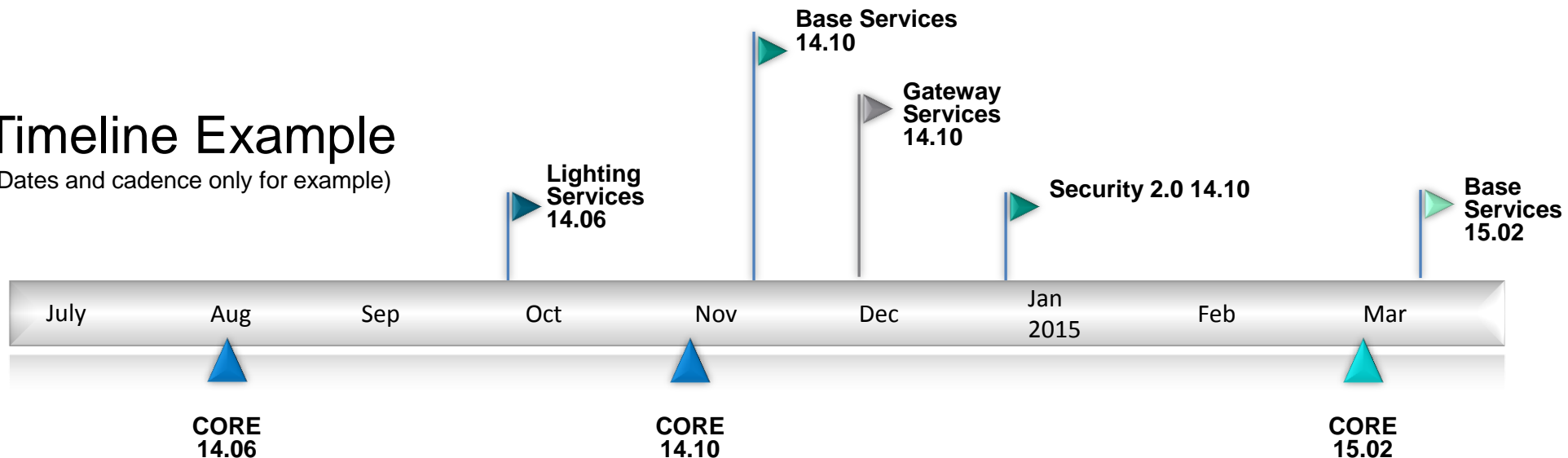
Release Proposal Review

- Separate features from releases
  - Features are targeted for releases but releases do not depend on specific features
  - Features are developed and tested on public branches
    - If a feature does not meet quality for the targeted release, it is slipped to the following release
  - Once at release quality features are merged into the master branch for inclusion into next release
    - Release quality implies feature testing is complete

- Members are responsible for integration testing and hardening on their products
  - Need member input on process for platform specific contributions and testing

- Move away from a simultaneous release model
  - Each Working Group (WG) determines when they will release
  - Core currently on a 4 month cadence (February, June, & October)
    - Core WG would like TSC approval to change to a 6 month cadence (April & October)
  - Cross WG integration and resolution of technical dependencies is coordinated by the working groups

Move away from a simultaneous release model

- Working Group releases are based on a specific Core release version
  - Version naming is same as Core release version used
  - WG will identify the number of commits taken in after the Core release

- Examples:
  - Base Services WG commits to having a release for each core version
  - Lighting WG may chose not to update after 14.06
    - This implies that there would only be a Lighting 14.10 if a member chooses to do the work

Timeline Example
(Dates and cadence only for example)

Base Services 14.10

Gateway Services 14.10

Security 2.0 14.10

Base Services 15.02

Lighting Services 14.06

| July | Aug | Sep | Oct | Nov | Dec | Jan 2015 | Feb | Mar |

CORE 14.06

CORE 14.10

CORE 15.02

Developer Tools WG Update

Mathew Martineau

Developer Tools

- Code Generator
  - Thin Library installers at https://allseenalliance.org/releases/alljoyn/14.02/
  - Master branch has support for Android code generation – beta testers wanted!
  - Data Driven Working Group has contributed changes for v14.10

- Node.js
  - OctoBlu has been working on an ISC-licensed implementation at https://github.com/octoblu/alljoyn/
  - Not contributed as of today
  - Was used at the Phoenix Local Motors Hackfest

Future Dev Tools Projects

- Design tools
  - Control Panel client for Windows/Linux/Mac

- Troubleshooting tools
  - Command-line utilities to test network configuration and functionality across platforms
  - AllJoyn diagnostic to find common issues and list typical fixes

Order for hackfests & lab days

Vote to approve

Order for hackfests & lab days

Item	Quantity	Estimated Amount
Shirts	100	$2,200.00
Arduino Stackable Header Kit - R3	50	$97.50
14x9 Matrix LED Arduino Shield	10	$85.11
SanDisk Extreme 32GB USB 30 USB Flash Drive	100	$3,685.00
Adruino Yun	10	$718.10
Joystick Shield	10	$175.00
CAT5E Black	60	$152.50
Rasberry Pi Complete Kit	30	$2,249.70
8g sandisk MicroSD card with adaptor	30	$443.70
Arduino Pro Kit	20	$5,399.80
Sunfounder Project Super Starter Kit	20	$799.80
Galaxy Nexus 7 tablets	15	$4,125.00
Tablet locks	15	$1,049.85
NeoPixel Ring - 16 x WS2812 5050 RGB LED with Integrated Drivers	20	$199.00
NeoPixel NeoMatrix 8x8 - 64 RGB LED	10	$349.50
PIR (motion) sensor	5	$49.75
Cosume Googles	5	$49.75
42" tv case - Shipping	1	$2,500.00
TOTAL		**$24,329.06**
Taxes		**$2,128.79**
Shipping		**$6,082.27**
GRAND TOTAL		**$32,540.12**

Expected Budget	$32,540.12	
Final Budget	$0.00	
Difference	$32,540.12	

Analytics Proposal

IOT Analytics project and working group proposal

- Proposal submitted to TSC mailing list and posted to Alliance wiki Aug 21st
  - https://wiki.allseenalliance.org/tsc/technical_steering_committee/proposals/iotanalytics

- Proposal is for an API and extensible library for device analytics
  - Device-level capture and reporting of events, states and other defined data
  - Provide device owners with ability to view usage information

- Deliverables
  - Open source client library for standard and thin libraries
  - Gateway service provide to interface with cloud based analytics service

- Tellient will make presentation on proposal on the next TSC call

Hackfest Update

Hackfest at Local Motors – Chandler, Arizona

- Utilized node.js and node-red integration, AllJoyn.js, notifications, control panel service, events and actions

- Good showing of willing and motivated developers
  - Lots of creativity

Notable projects:

- Twitter controlled array of LIFX bulbs

- AllJoyn ON controlled robot playing ball

- Pebble watch controlled car

- Seinfeld TV script running as AllJoyn chat on LG TV

- TV notifications flash LIFX lights

- Remote controlling Car notifies LG TV, change LIFX lights

- Voice control of car via Google Speech in Octoblu's NodeBlu

- Pictures & videos http://bit.ly/1vgI1GG

- Twitter photos https://twitter.com/search?q=allseenalliance&src=typd&mode=photos
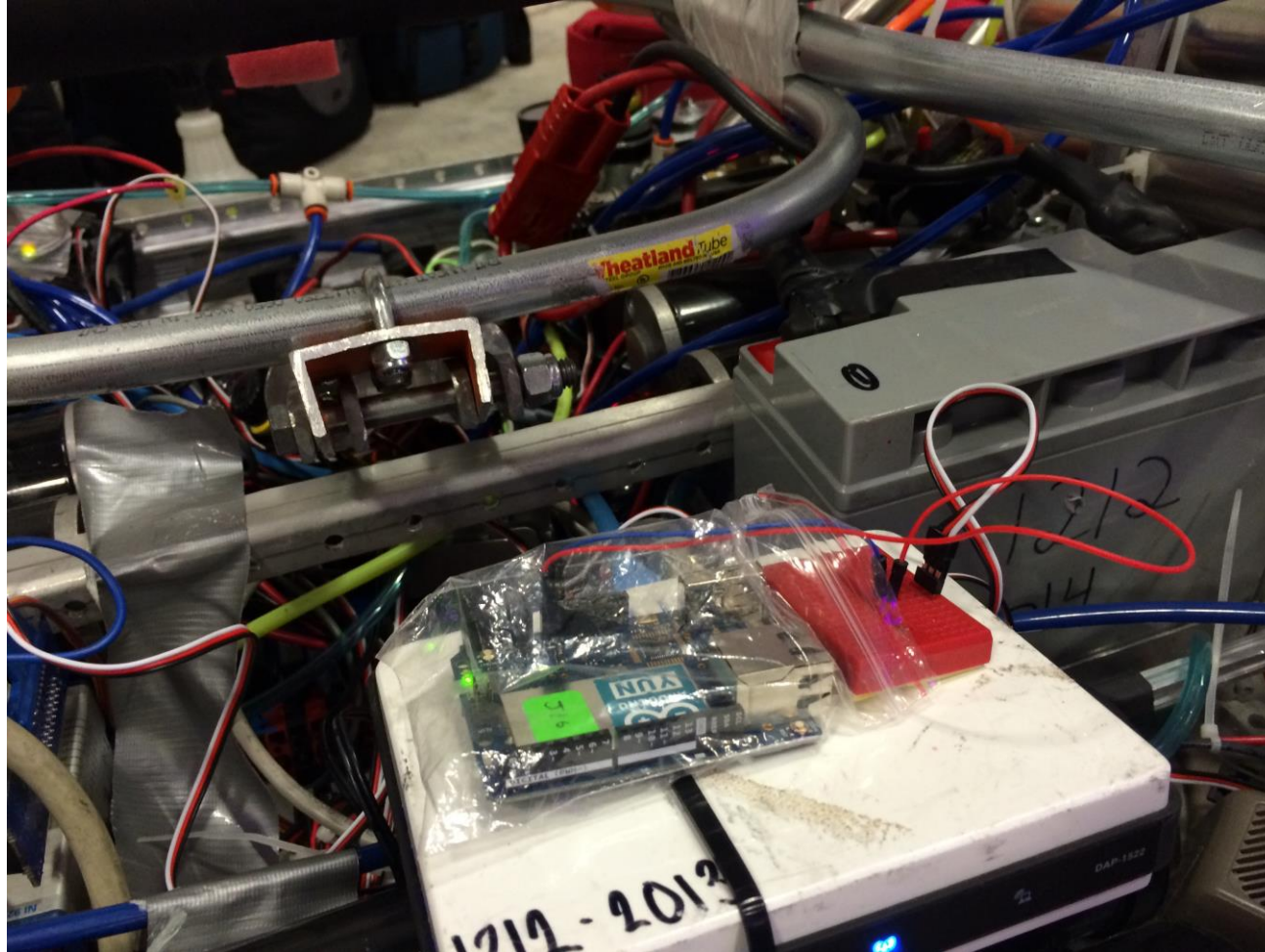
Notable projects:

Tutorial session on AllJoyn.js

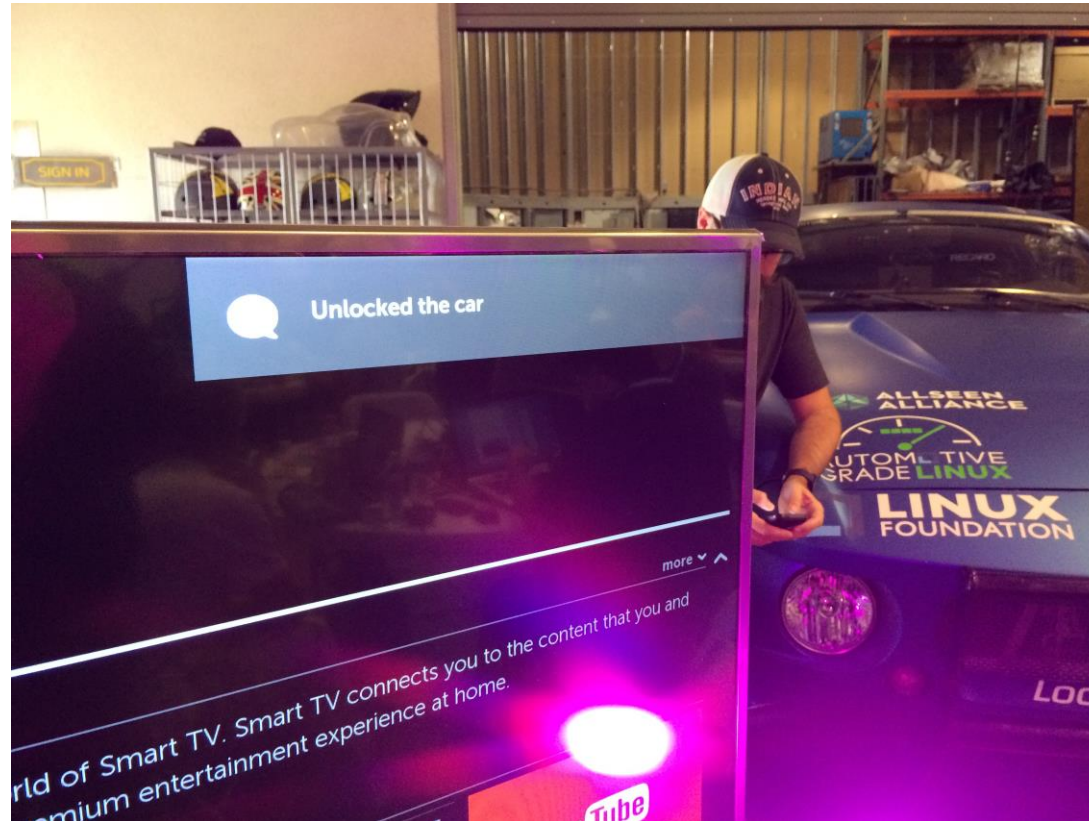# Controlling a bank of LIFX bulbs from AllJoyn app running on node-red

Getting set up

AllJoyn on Arduino Yun hacked into Local Motors "open source" car

Controlling a robot from control panel service

AllJoyn.js on Arduino Yun with control panel client on Android driving a high-school robot project

https://www.dropbox.com/sh/hvepkk81zjpobau/AADetsLfpwngJSvzHOZpyVtNa?dl=0#lh:null-IMG_1732.MOV

Thank You

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