Technical Steering Meeting

April 8, 2014

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Reminder:

This call is being recorded

Agenda

- Approve minutes from last call
- Vote on C&C WG requirements for core and service compliance testing
- Project proposal updates
  - Gateway proposal from Affinegy
  - Simple API proposal from Technicolor
- Course content for Hackfest
  - Ran out of time to go over this last week
- Suggestions for Asia Hackfest
  - July/August?
  - Is there an existing event we can piggyback on?

C&C Requirements for Core and Service WGs

Proposal Recap

- Proposal as approved by C&C WG
  - Puts requirements on the WG's
- Requires WG's to provide:
  - Interface specifications for AllJoyn interfaces implemented by the service or core features
  - Test case specifications for each interface
  - Test code that exercises the functionality of the interface
- Call for vote on this proposal

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Project proposal updates

Gateway Proposal

- Affinegy submitted March 31st
  - Submitter has requested vote be delayed to allow revisions based on member feedback
  - Please use the extra time to provide additional feedback and comment via the TSC mailing list.

Simple API Proposal

- Technicolor submitted April 7th
  - Proposal will be presented on next call
  - Please take time to review and provide comments via TSC mailing list
  - Vote to approve will is scheduled for two weeks from now

Hackfest
Training Course Content

AllJoyn Interface Tutorial

- Provided software
  - Yun:
    - Sends about announcement with helloworld() method on helloworld interface.
    - Helloworld() prints to console
    - Sends helloworld signal after session joined
  - Linux:
    - Listen for about announcements an calls helloworld() method
    - Signal handler to receive helloWorldSignal() and prints to console
- Exercises (depending on shield)
  - Yun
    - Add putChar() that prints letter to LED matrix. Maybe also add putBitmap() that puts a bitmap on the LED matrix
    - Sends buttonChanged signal when button state changes. Add buttonState property to read buttonState
  - Linux
    - Accepts text from console and calls putChar() and/or putBitmap()
    - Register to receive buttonChanged signal. Calls getProperty on buttonState when signal received and prints to console

AllJoyn Notification Tutorial

- Provided Software
  - Yun
    - Notification consumer prints to console with notification received
    - Add producer code lib (that does nothing)
  - Linux
    - Accepts text from console and sends out as notification
    - When receives notification, prints to console
- Exercises (depending on shield)
  - Yun
    - When receive notification, prints firsts char to LED matrix.
    - When receives button or joystick changes, send notification

AllJoyn Control Panel Tutorial

- Provided Software
  - Yun
    - Implement Control Panel Controllee with basic button and spinner. When activated, prints to console
    - Implements Control Panel Controlee with a counter as a label. Update label and publish every 5 seconds
  - Linux
    - Control Panel CLI viewer
- Exercises (depending on shield)
  - Yun
    - Add button to update the LED maybe blink, modify picker to print different characters,
    - Add label for joystick/button states with publish; add button to change Arduino LED state

Team Project Ideas

- Create a digital scrolling marquee with Yuns with LED matrixes when an AllJoyn notification is received

- Create an AllJoyn Control panel to display fun things on a set of Yuns with LEDs

- Create a simple game (pong, breakout, Flappy Bird!) with the Yuns and the LED matrix and Joystick shields

- Display text on the Yun's LED matrix and scroll with the joystick

Thank You.