



July 12-13, 2022

Hosted by:



Grant Way, Isleworth, TW7 5QD, United Kingdom

Agenda

(topics and speakers subject to change)

Tuesday, July 12:

Pre-event	Sky Glass Demos: Pre-registration required at https://www.signupgenius.com/go/10c0e48a8ac2aa2fbc70-skyglass	8:00 and 8:20 AM
Broadband Sessions	Speaker(s) & Description	Time
Welcome	Glee Abraham , <i>Head of Tech Ops & Engineering, RDK</i> , kicks off the 2022 RDK Tech Summit with a quick recap of the past year and an outline of the day ahead.	8:45 - 8:50 AM
Introduction	Alex Ball , <i>Director of RDK-B Development, Deutsche Telekom</i>	8:50 - 9:00 AM
Cellular Manager	José Ramon Diaz Martínez , <i>Director, Solution Architecture, RDK</i> , will discuss how the Cellular Manager component provides support for LTE radios, abstracts the hardware and driver implementations, and provides a common set of R-BUS data models which are used to configure the device and collect telemetry.	9:00 - 9:55 AM
Telco Voice Manager	Beri Levi , <i>Principal Engineer, Sky</i> , and Johnson Sebastiar , <i>Principal Software Engineer, Sky</i> , explain the RDK Telco Voice Manager component, which interfaces directly with the R-BUS, and is responsible for managing the TR104 configurations of the CPE and the life cycle of the vendor voice application.	9:55 - 10:25 AM
BREAK		10:25 -10:40 AM
One Wi-Fi	Sanjay Dwivedi , <i>Head of Engineering for RDK-B, Comcast</i> , and Soumya Munshi , <i>Wi-Fi Architect, Comcast</i> , talk about how One Wi-Fi presents a unified architecture that supports the same Wi-Fi approach on multiple device types, including gateways and PODs.	10:40 -11:30 AM

Broadband Sessions	Speaker(s) & Description	Time
Wi-Fi Motion Detection	William Suriaputra , <i>Director of Platform Engineering, Cognitive Systems Corp.</i> , gives an update on Wi-Fi motion detection, and how the relevant data is collected and distributed to 3rd party motion detection code.	11:30 - 12:00 PM
LUNCH	Additional Sky Glass Demos: Pre-registration required at https://www.signupgenius.com/go/10c0e48a8ac2aa2fbc70-skyglass	12:00 -1:00 PM (Demos at 12:00, 12:20 and 12:40)
WAN Manager	Kartiksinh Gohil , <i>Architect, Sky</i> , Augusto Mainardi , <i>Software Engineer, Sky</i> , and Sanchar Banerjee , <i>Software Architect, Deutsche Telekom</i> , discuss the recent and planned WAN Manager enhancements to support Backup WANs.	1:00 - 1:45 PM
DAC on Broadband	David Chapman , <i>Solution Architect, Consult Red</i>	1:45 - 2:15 PM
Inter-Device Manager	Kartiksinh Gohil explains this new component, Inter-Device Manager, used to discover other RDK devices and securely communicate between these devices on the LAN.	2:15 - 3:00 PM
BREAK		3:00 - 3:15 PM
Ethernet Agent Remodeling	Kartiksinh Gohil , Augusto Mainardi , and Nili Yohay , <i>Principal System Software Architect, Maxlinear</i> , explain the plan to standardize an interface naming convention, and to improve HAL to accelerate multiple Ethernet WAN interfaces and poll statuses.	3:15 - 3:45 PM
Advanced RBUS	Charles Moreman , <i>Fellow – Software Architecture, Comcast</i> , and Malcolm Johnston , <i>Architect, Sky</i> , describe and give examples of the advanced APIs to subscribe to events, publish events and provide RPC over RBUS. They will also cover the planned migration from sysEvent to rbus eventing.	3:45 - 4:25 PM
G-Test	Dominic D'Souza , <i>Principal Engineer, Comcast</i> , discusses the integration of the G-Test Framework with RDK.	4:25 - 4:55 PM

Reception	Cocktail Reception , Attendees from both Tuesday and Wednesday are welcome to join us for drinks and networking in The Dining Room at Sky Central.	5:00 – 7:00 PM
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Wednesday, July 13:

Pre-event	Sky Glass Demos: Pre-registration required at https://www.signupgenius.com/go/10c0e48a8ac2aa2fbc70-skyglass	8:00 and 8:20 AM
Video Sessions	Speaker (s) & Description	Time
Welcome	Glee Abraham , <i>Head of Tech Ops & Engineering, RDK</i> , recaps the past year for RDK-Video, and outlines the day ahead.	8:45 - 8:50 AM
Introduction	Simon Hatcher , <i>Director of Device Software, Sky</i>	8:50 - 9:00 AM

Video Sessions	Speaker (s) & Description	Time
TV Architecture & Settings	Praveen Biddappa Appachanda , <i>Head of Software, Next Gen Video Products, Sky</i> , talks about a new RDK thunder plugin which provides REST style APIs for changing picture settings by RDK TV Application. The plugin is responsible for selecting picture modes such as backlight level, brightness, contrast, hue, saturation, custom white, balance, calibration, etc.	9:00 - 10:00 AM
RDK TV for Europe	Jason Nash , <i>General Manager, Ocean Blue Software</i> , discusses the key technical challenges of implementing RDK TV in Europe.	10:00 - 10:30 AM
BREAK		10:30 - 10:45 AM
Tiny RDK-V - Panel	Glee Abraham, Khem Raj , <i>Fellow, Comcast</i> , Hervé Jourdain , <i>VP Architecture – General Manager, Asia, Beechwoods Software</i> , and Michael Fiess , <i>Distinguished Engineer, Comcast</i> , discuss the target specification to optimize RDK-V for a low memory footprint platform.	10:45 - 11:30 AM
CEC and ARC	Praveen Biddappa Appachanda explains how the HdmiCecSink plugin allows you to manage HDMI Consumer Electronics Control (CEC) for connected devices.	11:30 - 12:00 PM
LUNCH	Additional Sky Glass Demos: Pre-registration required at https://www.signupgenius.com/go/10c0e48a8ac2aa2fbc70-skyglass	12:00 - 1:00 PM (Demos at 12:00, 12:20 and 12:40)
Cobalt DAC POC	Bart Catrysse , <i>Chief Architect Video CPE Software, Liberty Global</i>	1:00 - 1:30 PM
UVE	Philip Stroffolino , <i>Principal Engineer, Comcast</i> , will talk about the Universal Video Engine for playback of IP Video using AAMP Video Engine on RDK-V platform.	1:30 - 2:30 PM
Android Synergy	Khem Raj gives a RDK OS - 64 Bit Kernel/Android update.	2:30 - 3:00 PM
BREAK		3:00 - 3:15 PM
Browser Alignment	Anil Ravuru , <i>Senior Director, Comcast</i> , discusses aligning and unifying RDK Browser development within the community to be in sync with the latest versions of webkit, as well as collaborating on improvements.	3:15 - 3:45 PM
Firebolt	Ken Morse <i>Director, Sky</i> will talk about the evolution of Firebolt as an app platform, covering architecture, API definitions and certification strategy.	3:45 - 4:30 PM
Lightning™ 3.0	Comcast's Lightning™ team will discuss performance enhancements and new framework features that advance the Developer Experience (DX) and extend Lightning's leadership as the premier app development platform.	4:30 - 5:00 PM