Device and Device SDK Working Group

- Key Working Group Facts
- Mailing List
- Discussion Forum
- Meeting Time
- Documents
- Device Services Summary
- Development for next release
- Working Group Meetings

Key Working Group Facts

Working Group Creation Date: June 2, 2017
Working Group Chair: Lindsey Cheng (IOTech), Felix Ting (IOTech)

Mailing List

- Device and Device SDK team's mail alias: edgex-tsc-device-services@lists.edgexfoundry.org
- To subscribe or unsubscribe via the World Wide Web, visit: https://lists.edgexfoundry.org/g/EdgeX-TSC-Device-Services

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Discussion Forum

- #device-services on https://join.slack.com/t/edgexfoundry/shared_invite/enQtNDgyODM5ODUyODY0LWVhY2VmOTcyOWY2NjZhOWJjOGI1YzQ2NzYzZmIxYzAzN2IzYzY0NTVmMWZhZjNkMjVmODNiZGZmYTkzZDE3MTA

Meeting Time

- Device and Device SDK Meetings are open to the public.
- Device Services WG meetings are held on Mondays at 8am PT (find your local time here)
  - **Note: This is a switch of the meeting time starting Dec 2, 2019**
- To subscribe to the meeting invitation, please visit Community Meetings & Calendar
- Go Device Service SDK Triage Meeting (Friday 15th Feb 14.00 GMT) : https://zoom.us/j/805271942

EdgeX Working Group 2 is inviting you to a scheduled Zoom meeting.

Topic: EdgeX: Device Services Working Group - Weekly Call (updated)
Time: Sep 28, 2020 08:00 AM Pacific Time (US and Canada)
Every week on Mon, until Sep 6, 2021, 50 occurrence(s)
Please download and import the following iCalendar (.ics) files to your calendar system.
Weekly: https://zoom.us/meeting/vpUpc-ipqT0vD-k49WBc5W4CwP3TehjjrA/ics?icsToken=98tyKuqpqj8rG9OTtV_HZ7YqW4X9b8-xlFUDofcEqz3mVhcHQRTGZdZHOrh1AvmB

Join Zoom Meeting
https://zoom.us/j/314411765?pwd=TE1PNmNiLzR6cVR6UDJLRkdtRWNtZz09

Meeting ID: 314 411 765
Passcode: 761743
One tap mobile
+13462487799,,314411765# US (Houston)
+16699006833,,314411765# US (San Jose)

Dial by your location
+1 346 248 7799 US (Houston)
+1 669 900 6833 US (San Jose)
+1 253 215 8782 US (Tacoma)
+1 312 626 6799 US (Chicago)
+1 646 558 8656 US (New York)
+1 301 715 8592 US (Germantown)
877 369 0926 US Toll-free
855 880 1246 US Toll-free
Meeting ID: 314 411 765
Find your local number: https://zoom.us/u/dYf323vjV

Documents

Device Service Requirements: edgex-docs on GitHub

(to be read in conjunction with Device Service REST API, Device Discovery)

The above supercede the earlier versions of the service requirements - Working copy (Google docs), Revision 10.2 (Fuji), Revision 11 (Geneva) and the earlier notes on discovery: DynamicDeviceDiscovery.pdf, DynamicDeviceDiscovery.docx

Device Services Summary

See Device Services - existing and work underway for details

Name	Language	Availability	Assigned Port	Notes
Modbus	Go	Now	59991	Supports TCP and RTU devices
MQTT	Go	Now	59982	
SNMP	Go	Now	59993	Tailored for TrendNet network switch
Virtual	Go	Now	59990	Allows dev/eval on EdgeX without real device hardware
Camera	Go	Now	59985	**Deprecated**
ONVIF Camera	Go	Now	59984	New implementation replacing the above
USB Camera	Go	Now	59983	
GPS	Go	stalled	59987	
BACnet	C	Now	59980/81	Can be built for IP or MSTP protocols
Grove	C	Now	59992	For GrovePi IoT kits
REST	Go	Now	59986	
GPIO	Go	Now	59910	v2.x documentation has this as 59994, and compose-builder generated files which remapped it to that port.
UART	Go	In development	59995	
CoAP	C	Now	59988	
RFID/LLRP	Go	Now	59989	
S7	Go	Now	59994	

Development for next release

GitHub project

Working Group Meetings

- April 23, 2024: Meeting Notes; Meeting Recording
- April 9, 2024: Meeting Notes; Meeting Recording
- March 26, 2024: Meeting Notes; Meeting Recording
- March 12, 2024: Meeting Notes; Meeting Recording
- January 30, 2024: Meeting Notes; Meeting Recording
- January 16, 2024: Meeting Notes
- December 11, 2023: Meeting Notes; Meeting Recording
- November 13, 2023: Meeting Notes; Meeting Recording
- October 30, 2023: Meeting Notes; Meeting Recording
- October 16, 2023: Meeting Notes; Meeting Recording
- September 25, 2023: Meeting Notes; Meeting Recording
- September 11, 2023: Meeting Notes; Meeting Recording
- August 21, 2023: Meeting Notes; Meeting Recording
- August 7, 2023: Meeting Notes; Meeting Recording; CAN device service proposal
- July 24, 2023: Meeting Notes; Meeting Recording
- July 17, 2023: Meeting Notes; Meeting Recording
- July 10, 2023: Meeting Notes; Meeting Recording
- July 3, 2023: Meeting Notes; Meeting Recording
- June 26, 2023: Meeting Notes; Meeting Recording

- August 8, 2022: Meeting Notes
- May 23, 2022: Meeting Notes
- March 28, 2022: Meeting Notes
- March 14, 2022: Meeting Notes
- March 7, 2022: Meeting Notes
- February 7, 2022: Meeting Notes
- January 31, 2022: Meeting Notes
- January 24, 2022: Meeting Notes; Presentation Slides
- November 29, 2021: Meeting Notes
- November 15, 2021: Meeting Notes
- November 8, 2021: Meeting Notes
- October 11, 2021: Meeting Notes; Meeting Recording
- October 4, 2021: Meeting Notes
- September 13, 2021: Meeting Notes
- August 9, 2021: Meeting Notes
- August 2, 2021: Meeting Notes
- Jul 19, 2021: Meeting Notes
- Jul 12, 2021: Meeting Notes
- Jun 14, 2021: Meeting Notes
- Jun 7, 2021: Meeting Notes; Meeting Recording
- May 24, 2021: Meeting Notes; Meeting Recording
- May 10, 2021: Meeting Notes; Meeting Recording
- Apr 26, 2021: Meeting Notes; Meeting Recording
- Apr 19, 2021: Meeting Notes; Meeting Recording
- Apr 12, 2021: Meeting Notes; Meeting Recording
- Mar 29, 2021: Meeting Notes; Meeting Recording
- Mar 22, 2021: Meeting Notes; Meeting Recording
- Mar 15, 2021: Meeting Notes; Meeting Recording
- Mar 8, 2021: Meeting Notes; Meeting Recording
- Mar 1, 2021: Meeting Notes; Meeting Recording
- Feb 22, 2021: Meeting Notes; Meeting Recording 26,
- Feb 8, 2021: Meeting Notes; Meeting Recording
- Feb 1, 2021: Meeting Recording
- Jan 25, 2021: Meeting Notes; Meeting Recording
- Jan 18, 2021: Meeting Notes; Meeting Recording
- Jan 11,2021: Meeting Notes; Meeting Recording
- Jan 4, 2021: Meeting Recording

- Dec 14, 2020: Meeting Recording
- Dec 7, 2020: Meeting Notes; Meeting Recording
- Nov 16, 2020: Meeting Notes; Meeting Recording
- Nov 2, 2020: Meeting Recording
- Oct 26, 2020: Meeting Recording
- Oct 19, 2020: Meeting Recording
- Oct 12, 2020: Meeting Notes; Meeting Recording; Presentation on CoAP device service
- Oct 5, 2020: Meeting Recording
- Sep 28 2020: Meeting Recording; Meeting Notes
- Sep 21 2020: Meeting Notes; Meeting Recording; Presentation on UART, GPIO device services
- Sep 14 2020: Meeting Notes; Meeting Recording
- Aug 24 2020: Meeting Notes; Meeting Recording
- Aug 17 2020: Meeting Notes; Meeting Recording
- Aug 10, 2020: Meeting Recording
- Aug 3, 2020: Meeting Notes; Meeting Recording
- July 27, 2020: Meeting Recording
- July 20, 2020: Meeting Notes; Meeting Recording
- July 13, 2020: Meeting Notes; Meeting Recording
- June 29, 2020: Meeting Notes; Meeting Recording
- June 22, 2020: Meeting Notes; Meeting Recording
- June 15, 2020: Meeting Notes; Meeting Recording
- June 8, 2020: Meeting Notes; Meeting Recording (Password: 5G#4@j=1)
- June 1, 2020: Agenda; Meeting Notes; Meeting Recording (Password: 2u!MX8P+)
- May 18, 2020: Meeting Recording (Password: 8x%1=yC=)
- May 11, 2020: Meeting Notes; Meeting Recording (Password: 1w?o2Pg!)
- April 20, 2020: Agenda; Meeting Notes; Meeting Recording (Password: 7o*=#a9d)
- April 6, 2020: Agenda; Meeting Notes; Meeting Recording
- March 30, 2020: Meeting Notes; Meeting Recording
- March 23, 2020: Agenda; Meeting Notes; Meeting Recording
- March 9, 2020: Meeting Notes; Meeting Recording, Meeting Recording #2
- March 2, 2020: Agenda; Meeting Notes; Meeting Recording
- February 24, 2020: Agenda; Meeting Notes; Meeting Recording
- February 10, 2020: Agenda; Meeting Notes; Meeting Recording
- February 3, 2020: Agenda; Meeting Notes; Meeting Recording
- January 27, 2020: Agenda; Meeting Notes; Meeting Recording
- January 20, 2020: Agenda; Meeting Notes; Meeting Recording
- January 13, 2020: Agenda; Meeting Notes; Meeting Recording
- January 6, 2020: Agenda; Meeting Notes

- December 16, 2019: Agenda; Meeting Notes; Meeting Recording
- December 9, 2019: Agenda; Meeting Notes; Meeting Recording
    - Movable Device Workflows
- December 2, 2019: Agenda; Meeting Notes; Meeting Recording
- November 25, 2019: Agenda; Meeting Notes; Meeting Recording
- November 11, 2019: Agenda; Meeting Notes; Meeting Recording
- October 28, 2019: Agenda; Meeting Notes; Meeting Recording
- October 21, 2019: Agenda; Meeting Notes; Meeting Recording
- October 14, 2019: Agenda; Meeting Notes; Meeting Recording
- October 7, 2019: Agenda; Meeting Notes
- September 30, 2019: Agenda; Meeting Notes; Meeting Recording
- September 23, 2019: Agenda; Meeting Notes; Meeting Recording
- September 16, 2019: Agenda; Meeting Notes; Meeting Recording
- September 9, 2019: Agenda; Meeting Notes; Meeting Recording
- August 19, 2019: Agenda; Meeting Notes; Meeting Recording
- August 12, 2019: Agenda; Meeting Notes; Meeting Recording; Presentation on Blackbox Testing
- August 5, 2019: Agenda; Meeting Notes; Meeting Recording
- July 29, 2019: Agenda; Meeting Notes; Meeting Recording
- July 22, 2019: Agenda; Meeting Notes; Meeting Recording
- July 15, 2019: Agenda; Meeting Notes; Meeting Recording
- July 8, 2019: Agenda; Meeting Notes; Meeting Recording
- July 1, 2019: Agenda; Meeting Notes; Meeting Recording
- June 24, 2019: Agenda; Meeting Notes; Meeting Recording
- June 17, 2019: Meeting Recording
- June 10, 2019: Meeting Recording
- June 3, 2019: Meeting Recording
- May 20, 2019: Meeting Recording
- May 13, 2019: Meeting Recording
- May 6, 2019: Meeting Recording
- April 22, 2019: Meeting Minutes; Meeting Recording
- April 15, 2019: Meeting Recording
- April 8, 2019: Meeting Recording
- April 1, 2019: Meeting Minutes; Meeting Recording
- March 25, 2019: Meeting Minutes Meeting Recording
- March 18, 2019: Meeting Minutes; Meeting Recording; Virtual Device Service Demo.pdf
- March 11, 2019: Meeting Minutes; Meeting Recording
- March 4, 2019: Meeting Minutes; Meeting Recording
- February 25, 2019: Meeting Recording; Minutes (.pdf)
- February 18, 2019: Meeting Recording
- February 11, 2019: Proposed Changes for Edinburgh; Meeting Recording; Minutes (.pdf); Minutes (.docx)
    - Tony Espy has noted that in the above minutes "DeviceObject rename to device results should really be 'DeviceObject renamed to DeviceResource'"
- February 4, 2019: Meeting Recording
- January 28, 2019: Meeting Recording
- January 21, 2019: Meeting Recording
- January 14, 2019: Meeting Recording
- January 7, 2019: Meeting Recording

- December 17, 2018: Meeting Recording
- December 10, 2018: Meeting Recording
- December 3, 2018: Meeting Recording; Schedule/Schedule Event and new Reading Poll Schedule decision
- November 26, 2018: Meeting Recording
- November 19, 2018: Meeting Recording
- November 12, 2018: Meeting Recording
- November 5, 2018: Meeting Recording
- October 29, 2018: Meeting Recording
- October 15, 2018: Meeting Recording
- October 8, 2018: Meeting Recording
- October 1, 2018: Meeting Recording; final Go SDK API
- September 24, 2018: Meeting Recording
- September 17, 2018: Meeting Recording
- September 10, 2018: Meeting Recording
- September 4, 2018: Meeting Recording
- August 20, 2018: Meeting Recording; Device Services & Scheduling presentation
- August 13, 2018: Meeting Recording
- August 6, 2018: Meeting Recording
- July 30, 2018: Meeting Recording
- July 23, 2018: Meeting Recording
- July 16, 2018: Meeting Recording
- July 9, 2018: EdgeX Data Mgmt Proposal ; Meeting Recording
- July 2, 2018: Meeting Notes ; Initial Support_Scheduler requirements ; Meeting Recording
- June 25, 2018: Meeting Recording ; Meeting Notes; Binary encoding requirements
- June 18, 2018: Meeting Recording
- June 11, 2018: Meeting Recording
- June 1, 2018: Meeting Recording

- May 21, 2018: Meeting Recording