



**ALLSEEN
ALLIANCE**

Analytics & Telemetry Working Group

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Agenda

1. Overview
2. AnalyticsEventAgent Interface
3. Questions And Open Discussion



Workgroup Overview

Our Mission

Define AllJoyn interfaces that provide device manufacturers a common API for capturing, collecting and transmitting data outside the AllJoyn proximal for analysis or other purposes.

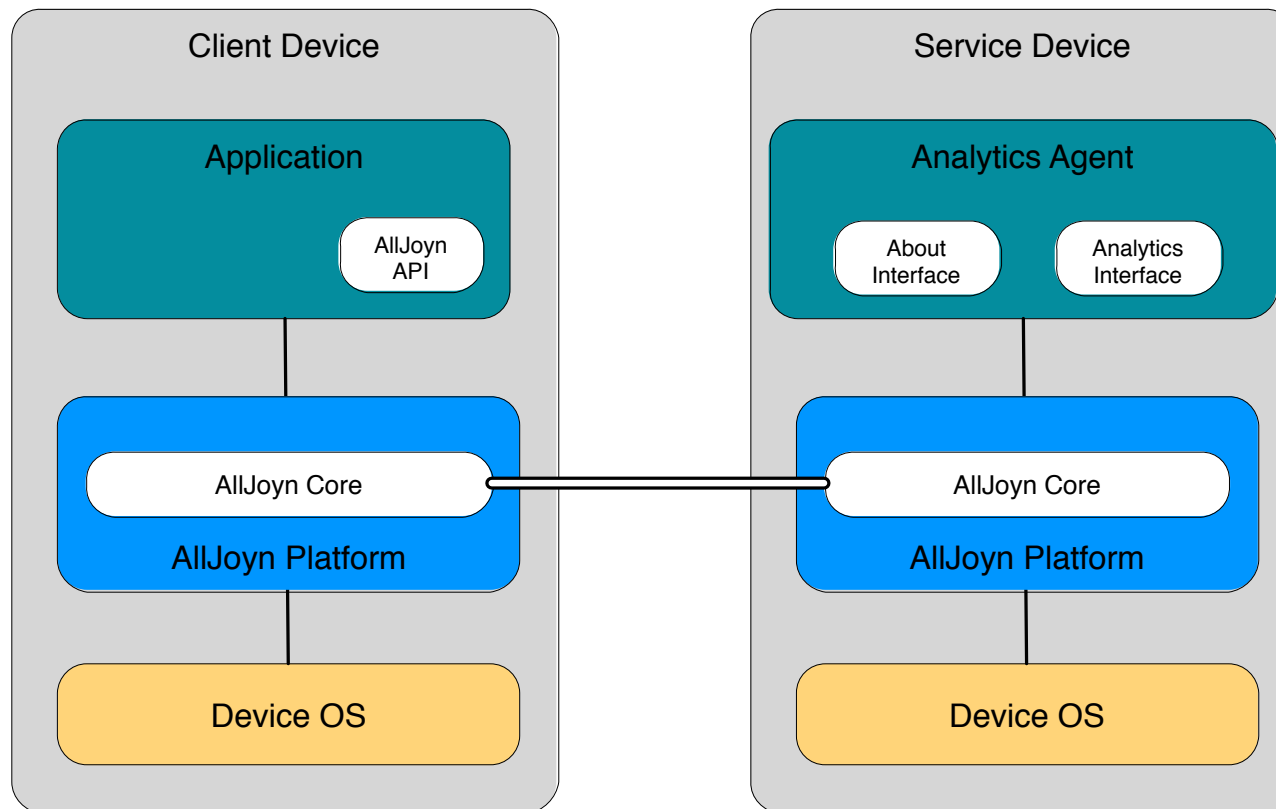


AnalyticsEventAgent Interface

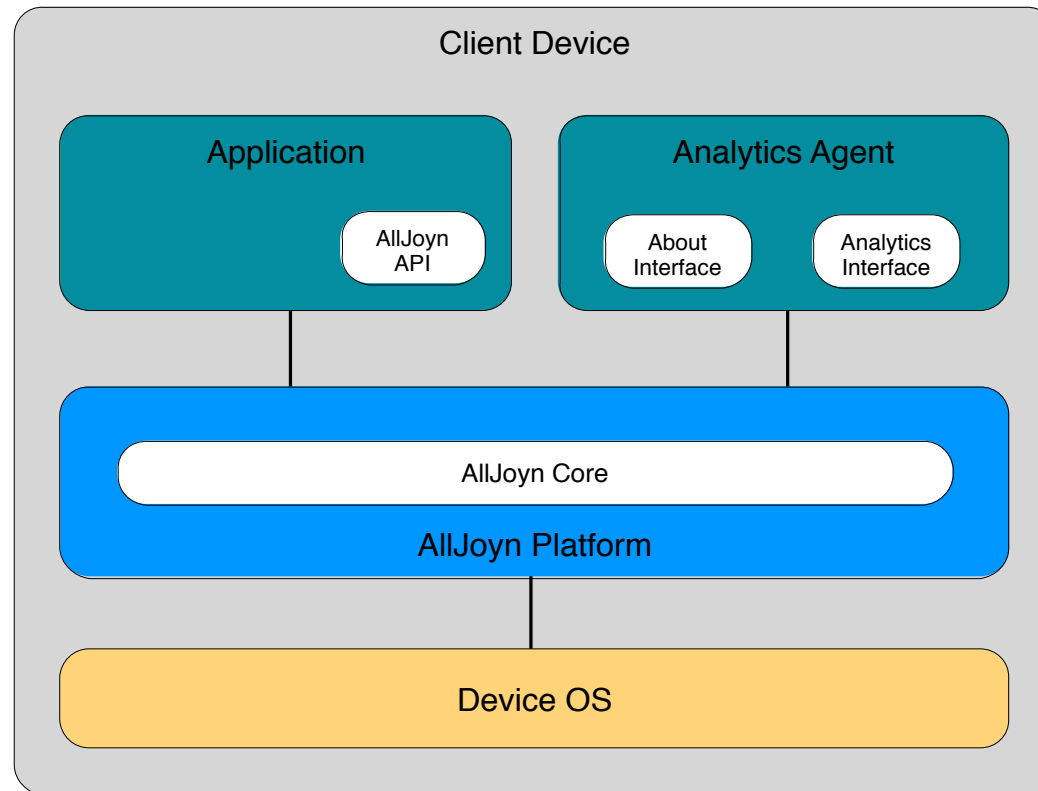
Analytics Agent

- Conceptual application implementing the interface.
- Provides the link between the proximal network and the cloud-based analytics service.
- Associates device context with events.
- Multiple deployment scenarios.

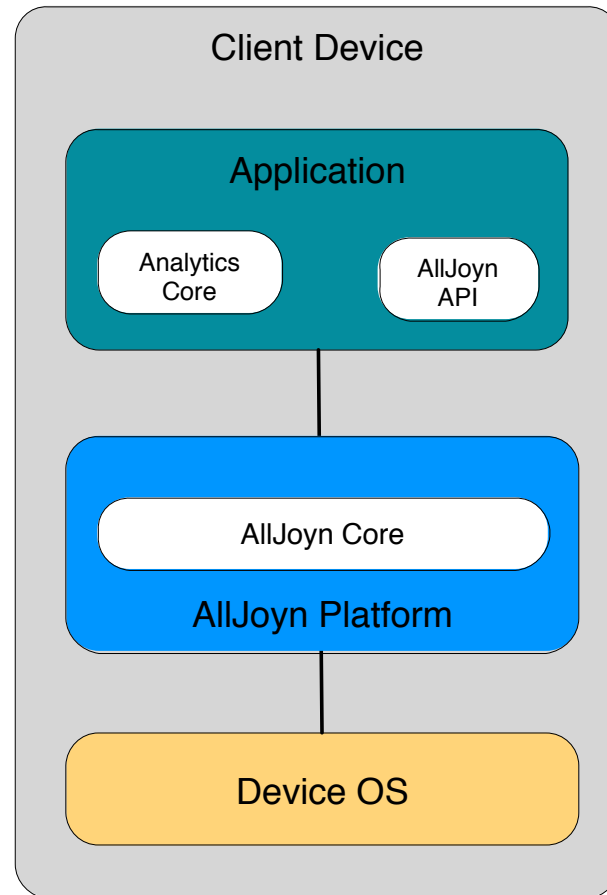
Scenario 1



Scenario 2



Scenario 3



Interface Methods

- SetVendorData
- SetDeviceData
- SubmitEvent
- RequestDelivery

SetVendorData

- Set configuration parameters required by the Analytics Agent.
 - *For example: API key, cloud service URL, etc.*
- Parameters
 - `values` - Array of key-value pairs

SetDeviceData

- Set device information that should be associated with the events.
 - *For example: Model, model version, device serial number, etc.*
- Typically called once after AllJoyn session is created.
- Must be called prior to submitting events.
- Parameters
 - `values` - Array of key-value pairs

SubmitEvent

- Log an event to the analytics service.
- Parameters
 - *timestamp* – Unix epoch-based timestamp. (UINT64)
 - *sequence* – Sequence number, starting at zero and incremented for each event, wrapping on overflow. (UINT32)
 - *name* – Event name. (string)
 - *values* – array of key-value pairs.

RequestDelivery

- Ask the Analytics Agent to flush pending data to the analytics service.
- No parameters

Features to Add

- Signals to request throttling of device events.
 - On/off, per event or all events.
 - Set maximum rate per event.




Questions And Open Discussion

More Information

- Wiki:
 - <https://wiki.allseenalliance.org/analytics-telemetry/overview>
- Mailing list:
 - allseen-analytics-telemetry@lists.allseenalliance.org
 - <https://lists.allseenalliance.org/mailman/listinfo/allseen-analytics-telemetry>



Thank you

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