



# Tellient

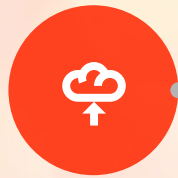
Analytics for Things

# the problem.

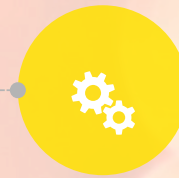
There is a gap in the delivery of analytics for the Internet of Things.



Device



Gateway



Analytics Engine



Visualization

## The First Mile Problem

We provide an embedded client and a robust analytics solution specifically for connected devices.

# how it works.

Distributed and connected analytics.



## Embedded (AllJoyn)

The Tellient IoT thin client integrates at the device OS (HLOS or RTOS) level and is extensible by device manufacturer.



## Publish

Device analytics data is published to our cloud based system.



## Enhance

Data and metadata are combined with aggregated external data such as:

- Temperature
- Time
- Seismic data
- Traffic
- Other open data feeds



## Distribute

The resulting output is real-time, actionable data usable by:

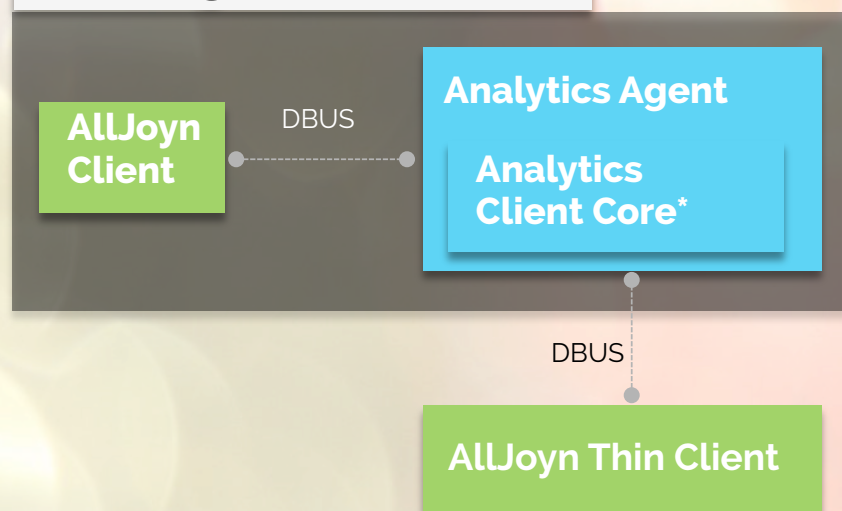
- Marketing
- R&D/Product
- Finance
- Customer service
- Supply chain management
- 3<sup>rd</sup> party systems & devices

# the solution.

AllJoyn Analytics system overview.



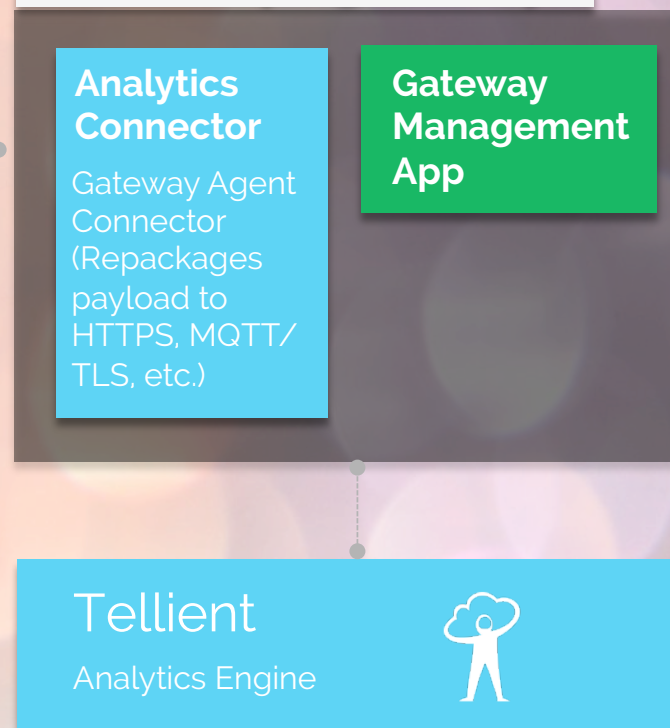
## the thing



### \*Analytics Client Core

- Custom protobuf implementation for collecting event data.
- Small footprint that could be embedded directly in AllJoyn clients, thick or thin, depending on requirements.

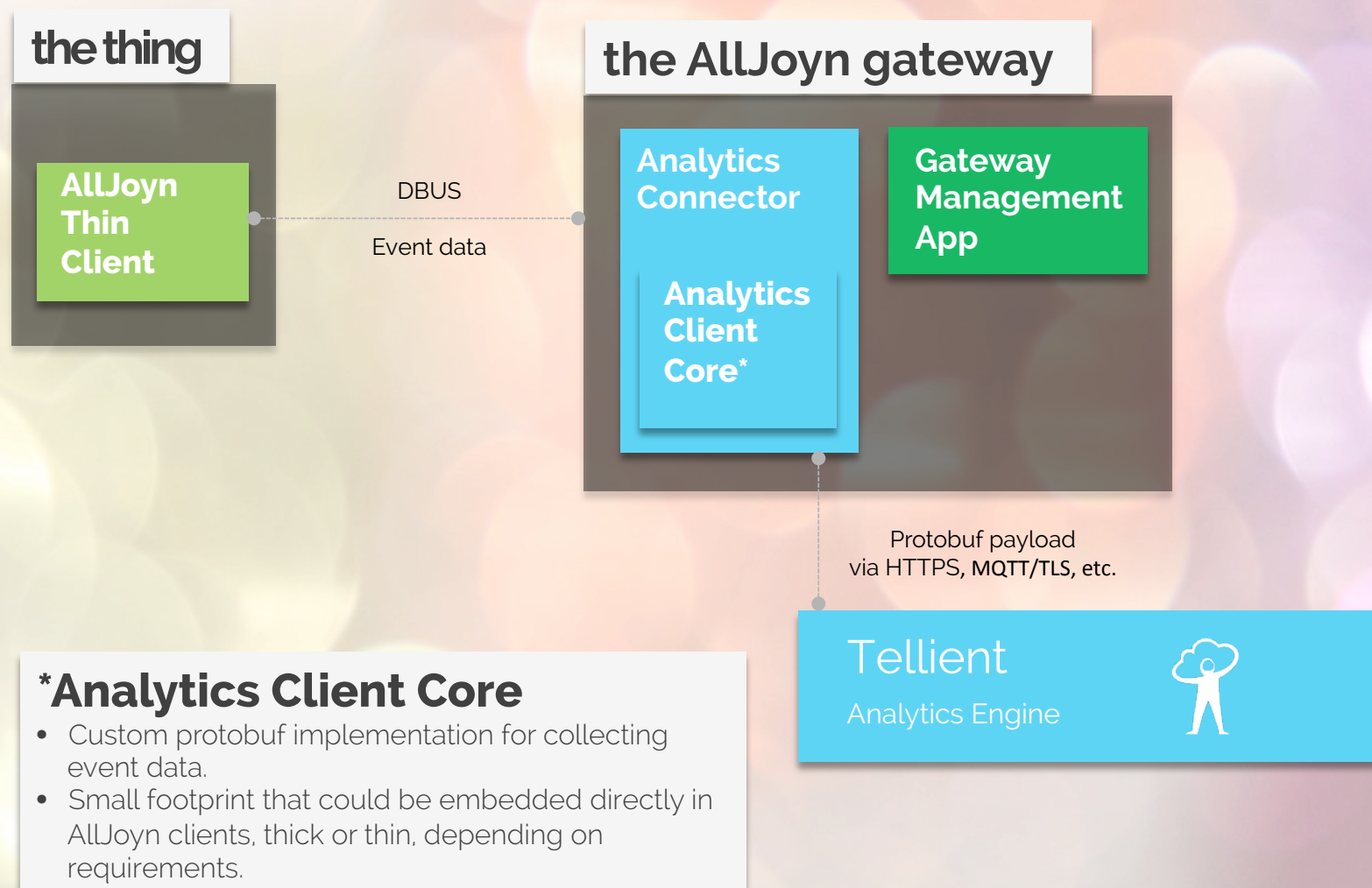
## the AllJoyn gateway



# the solution.



Sample deployment of thin client with an AllJoyn Gateway Agent



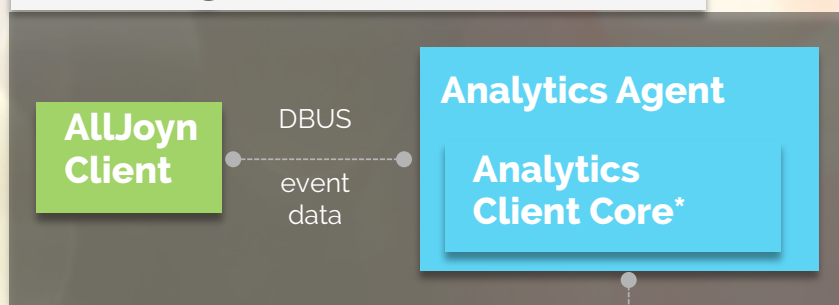


# the solution.

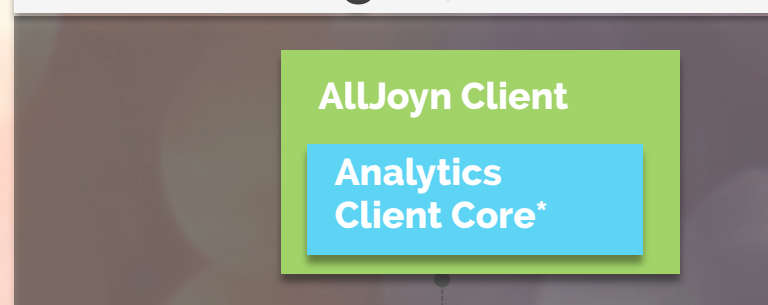


Sample deployments in an AllJoyn network without a gateway agent

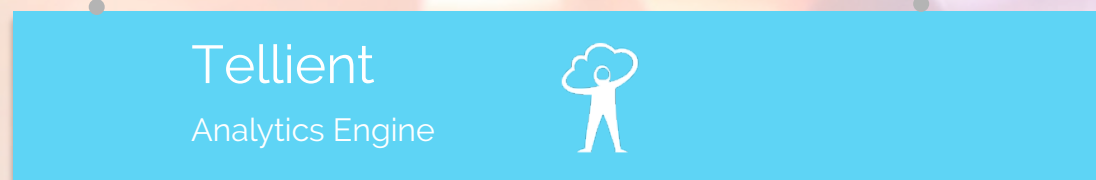
## the thing (multiple app environment)



## another thing (single app environment)



Protobuf payload  
via HTTPS, MQTT/TLS, etc.



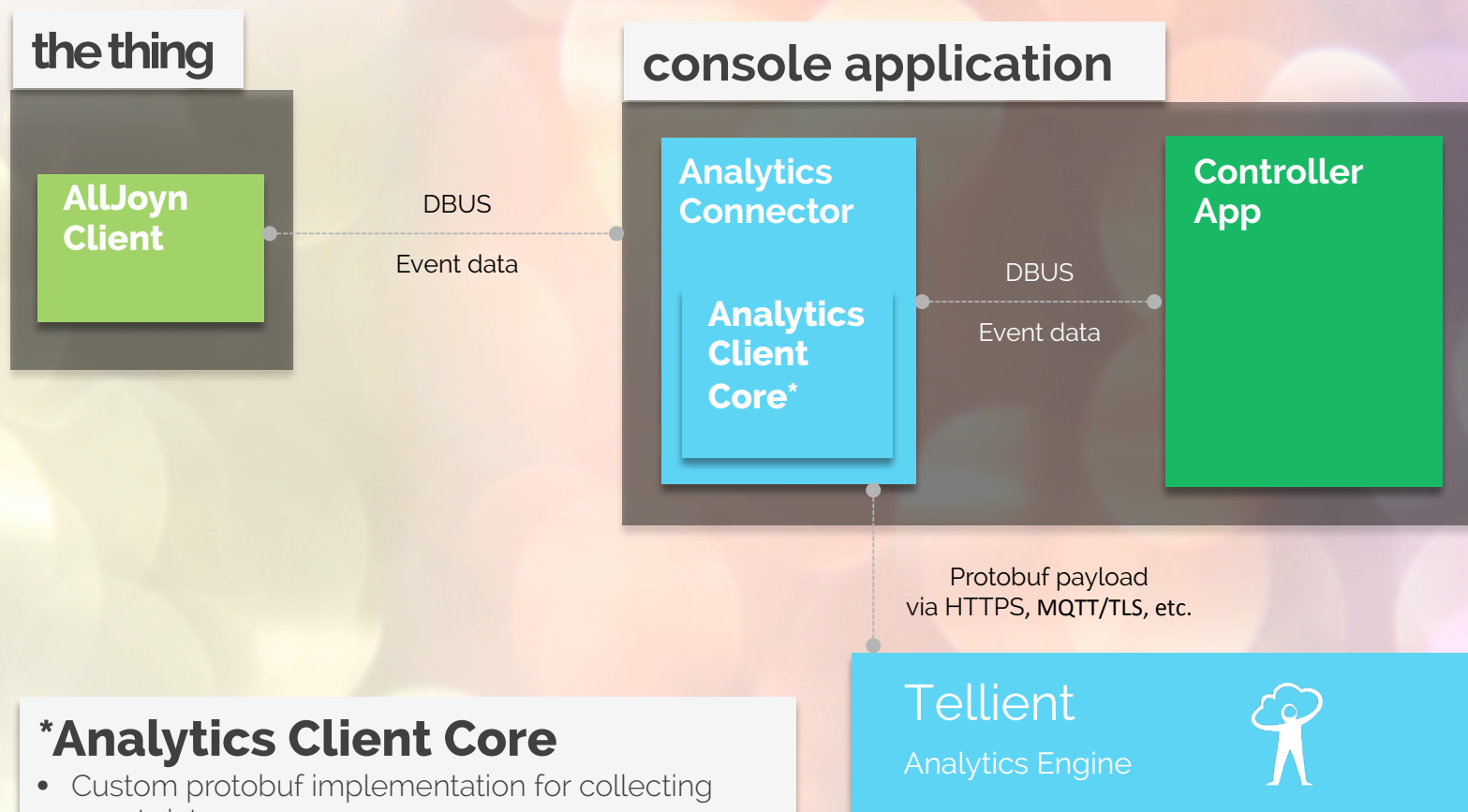
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# the solution.



Sample deployment in an AllJoyn network with a controller application running on a wall console

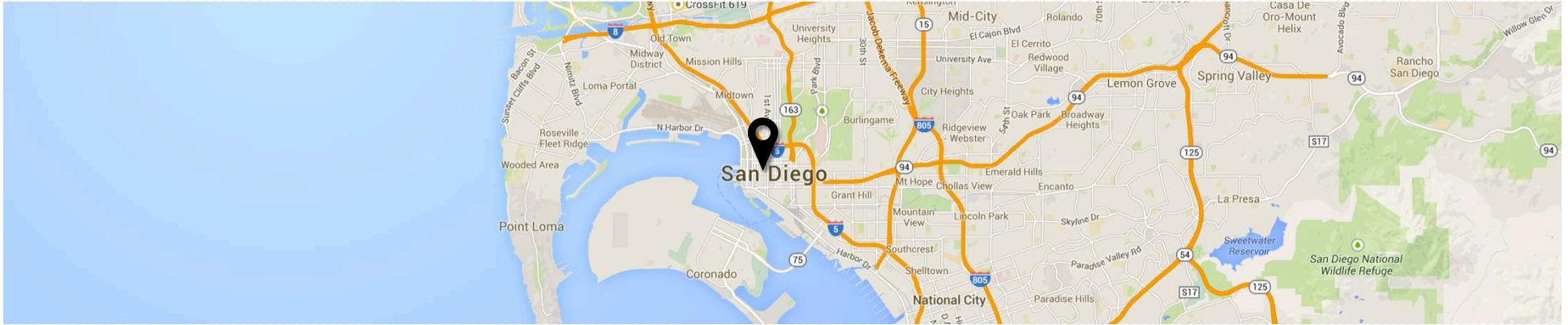


## \*Analytics Client Core

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# connect.

At Tellient, we make Analytics for Things.



## Things are getting smarter.

Devices are connected to each other, to the cloud, and to control interfaces, enabling them to collaborate to create a system of ever-increasing efficiency and convenience.

The "ever-increasing" part will be because of decisions:

- made by humans and machines
- influenced by Analytics
- derived from Big Data and
- applied in real time.

Tellient helps make it possible.



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