Phone as a Gateway

Seamlessly Cloud-Enable Bluetooth Devices

Thanks to the widespread consumer adoption of smartphones and other mobile devices, you, the manufacturer, by extension, now have a protocol agnostic IoT endpoint in the field for which you can connect your products. You can now solve for local “connectivity” by integrating connectivity modules into your products to enable communication with mobile devices, but is local connectivity alone really worth the investment or enough to say you have an IoT product? The short winded answer is probably not. To justify your investment and to have a robust IoT product you would still need to solve for data extraction and cloud connectivity, but how do you do that? Where does one start?

To alleviate what’s left of this process, Ayla has designed a new feature into its existing Mobile SDK that solves for these two missing components. Ayla’s Phone as a Gateway (PaaG) solution leverages the mobile device’s onboard Bluetooth Low Energy (BLE) capabilities to act as a medium to enable connectivity to the Ayla Cloud via a native application. PaaG enables setup and registration of the device from a mobile application and maintains secure communication with the Ayla Cloud. Leveraging the mobile device’s BLE capabilities, phone as a gateway supports both a one to one and one to many connections between devices.

Who Would Use It

Any manufacturer with Bluetooth capable products, whether new or existing, can leverage Ayla’s Phone as a Gateway solution to facilitate a secure connection to Ayla’s Cloud via a native mobile iOS or Android Application built upon Ayla’s Mobile SDK.

Availability

Ayla’s Phone as a Gateway solution is available to Ayla customers in:

- North America
- Europe
- APAC

Benefits

- Cloud Analytics & Integrations
- No Standalone Gateway Required
- Supports Both New and Existing Products
- Add or Enhance Existing Revenue Streams
- Native Code Support for iOS and Android Applications
- Multi-Region Support

Features

- User Management
- Device Management
- Data Access
- Data Streaming Service
- Data Protection Policies
- Over the Air updates
- Device sharing
- Role Based Access Control
- Rules Engine
- Alerts & Notifications
Pricing

Ayla’s Phone as a Gateway solution is available with an upfront set-up fee plus an annual recurring maintenance fee.

System Requirements

Ayla Certified Mobile Devices

- Ayla’s Phone as a Gateway solution is compatible with all late model, mainstream phones from major manufacturers like Google, Apple, Samsung, LG, and Motorola
- Both the mobile device and product must have BLE capabilities

Supported Platforms

- Android 4.3+
- iOS 9+

Differences Between iOS & Android

- Ayla’s Mobile SDK allows for the development of native iOS and Android applications, the UI/UX will differ depending on the platform

Require Development Expertise

- Ayla highly recommends a minimum of 3 years experience developing native apps for any user leveraging Ayla’s Mobile SDK

Areas of Responsibility

As PaaG is built upon Ayla’s Mobile SDK, customers are strongly encouraged to leverage Ayla’s Mobile SDK. Customers who do not leverage the mobile SDK will be responsible for developing and supporting any custom libraries. Ayla’s Mobile SDK focuses on the logic behind communicating with the Ayla Platform and allows the manufacturer to focus on:

- Application Design
- Account Management Code
- Schedule and notification management code
- OS Specific Feature Support
- Complete User Interface
- Device Connectivity Code
- Account Management Code

Ayla Networks

4250 Burton Dr., Suite 100
Santa Clara, CA 95054
USA

Tel 408 830-9844
Fax 408 716-2621
marketing@aylanetworks.com
www.aylanetworks.com

About Us

Ayla Networks empowers leading manufacturers by simplifying the inherent complexity of the Internet of Things (IoT), enabling them to turn their products into smart connected systems and transform their businesses to compete in the game-changing world of connectivity. Delivered as a cloud platform-as-a-service (PaaS), Ayla’s IoT platform provides the flexibility and modularity to enable rapid changes to practically any type of device, cloud, or app environment.

For more information, contact Ayla Networks at www.aylanetworks.com.