

AerCloud

IoT and M2M Application Enablement Platform



YOUR ON-RAMP TO THE INTERNET OF THINGS

SCALE YOUR BUSINESS

Built from the groundup to handle the most demanding IoT / M2M applications, AerCloud enables your business to seamlessly scale up to millions of devices.

BOOST RELIABILITY

With an architecture designed for carrier-class reliability, AerCloud ensures your data is reliably collected and processed without delays or painful outages.

CONNECT & INTEGRATE

You can use it with any Internet-connected device, regardless of connectivity method, and AerCloud integrates seamlessly with our IoT / M2M connectivity service, AerPort.

GAIN DEEP INSIGHTS

With the fully integrated IoT / M2M analytics tool AerVoyance, you'll get visibility and insight to realize the efficiencies that IoT envisions.

LOWER COSTS

AerCloud's SAAS-based model and pay-as-you-grow pricing plan means no upfront infrastructure investment. Cost per device decreases as your device deployment footprint increases.

DESIGNED FOR IOT AND M2M SENSOR DATA

With a robust and modern data infrastructure, the AerCloud application enablement platform lets you prototype, develop, and launch IoT / M2M applications.

AerCloud helps you meet the data collection, management, and analytics challenges of the Internet of Things (IoT). In this IoT world, data needs to be reliably collected from millions of sensors, quickly transformed into actionable information, and made available across the enterprise.

END-TO-END IOT APPLICATION DEVELOPMENT

The Aeris product portfolio provides comprehensive IoT / M2M application development including connectivity, an application enablement platform, and analytics so you can realize efficiencies no matter your industry. Once your devices are connected on our network, you can easily provision and manage them through AerCloud. For device data collection, storage, and analysis, AerCloud does the heavy-lifting, while your organization can use our integrated app toolkit to focus on making a great application rather than data plumbing.

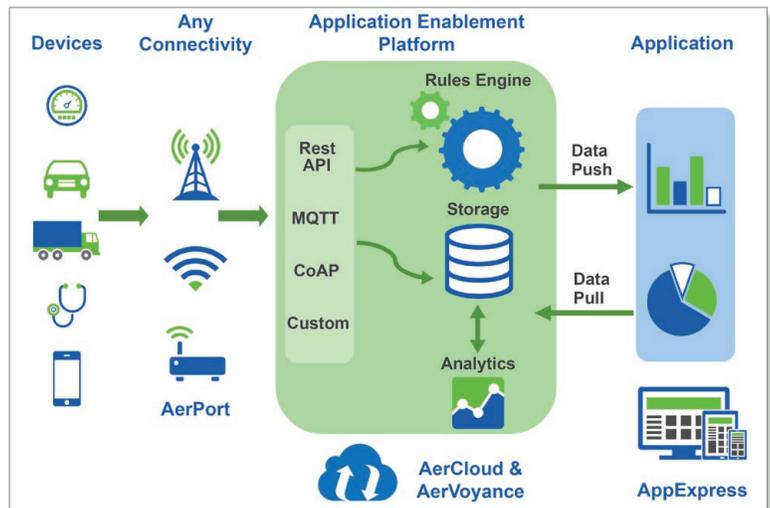
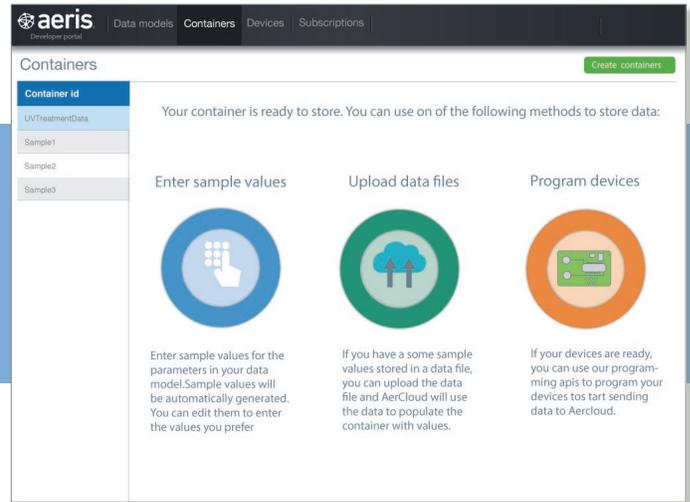
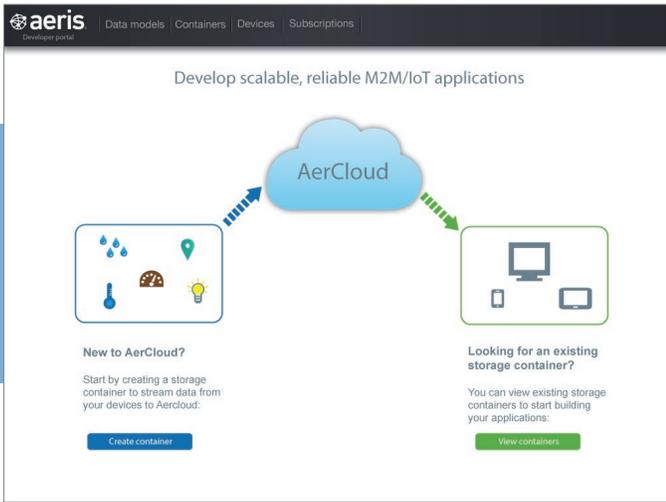


FIGURE 1: AERIS ENABLES FAST AND SIMPLE END-TO-END IOT APPLICATION DEVELOPMENT.

DEVELOP APPS 70% FASTER

AerCloud enables you to build IoT / M2M applications 70% faster than traditional platforms and toolkits. AerCloud is integrated with our app toolkit, AppExpress, for faster web-based application development using predefined widgets to leverage additional apps. AerCloud is designed to separate the device development from app development by letting you simulate sensor data ingestion from data files and manual mechanisms, thus significantly increasing the development efficiency.





FIGURES 2 & 3: AERCLOUD DASHBOARD

SOLVE THE ANALYTICS CHALLENGE

Organizations building IoT / M2M applications are faced with the choice of either building their data infrastructure in-house or using a vendor solution. The in-house option can appear deceptively easy, but handling real-time streams of data from connected devices is an analytics problem posing serious technical challenges. At a small scale, this data could be handled with general-purpose databases. As the number of devices grows and the sophistication of the application increases, however, analytics become a resource-intensive distraction from your core application. With the IoT analytics tool, AerVoyance, integrated into AerCloud, you can solve the scale and analytics challenges inherent to your deployment.

STANDARD PROTOCOLS OFFER FLEXIBILITY

AerCloud enables data collection and access from multiple device vendors through standardized protocols like MQTT, CoAP, and HTTP. It can also support custom protocols through web adapters. You can integrate AerCloud-based apps with other systems and applications through standard REST APIs and web services. Data can be easily imported or exported to other applications, providing extensive integration and functionality.

ENTERPRISE-GRADE IOT SECURITY

To ensure end-to-end security, reliability, and threat protection, AerCloud supports HTTPS/TLS/SSL encryption standards. AerCloud endpoints are protected against denial-of-service and phishing attacks, and the platform benefits from a secure Aeris network that supports seamless VPN integration between devices and cloud-based applications.

SIMPLE INTERFACE FOR EFFICIENT TASKS

AerCloud is designed with the IoT / M2M application developer's needs in mind. You can easily define data models, create data containers, connect devices, view real-time data streams, create conditional subscriptions to data streams, and manage devices through a simple graphical interface.

ABOUT AERIS

Aeris Communications, Inc., is a pioneer in the machine-to-machine market, an integral part of the Internet of Things. We are both a technology provider and a cellular network operator delivering comprehensive IoT / M2M services to leading brands around the world. We put the "Internet" in the Internet of Things.

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