

# M2M INTELLIGENCE®

## THE ESSENTIAL APPLICATION FOR THE M2M AND IoT ECONOMY

You want to grow a valuable connected business, not worry about the technology implementation. M2Mi's award-winning M2M Intelligence® Application provides the essential features you need to build and grow your M2M and IoT connected business.

**A secure, cloud & edge independent M2M and IoT application, available as a multi-tenant SaaS or on-premise solution, that delivers real value out-of-the-box.**

M2M  
Intelligence®



### ESSENTIAL M2M & IOT CAPABILITIES

**Network Services:** Connect, provision devices and provide bandwidth in over 190+ countries across 500+ carrier networks.

**Data Services:** Enable device data management, in-stream analytics to generate insight and integrate with enterprise applications.

**Security Services:** Secure the connected infrastructure and track and control data sharing to ensure privacy.

**Business Services:** Enable metering, billing, reporting and monetizing connected assets to increase ROI.

### A COMPOSABLE APPLICATION

M2M Intelligence® stands out delivering multiple immediately usable services, accessible through an easy-to-use high level management interface, as soon as it is installed or enabled. As you would expect, in common with any other enterprise application, M2M Intelligence® is configurable. Unlike IoT platform solutions, it does not require coding or development to do anything but it has been built to be composable and extensible via hundreds of published APIs.

M2M Intelligence® runs as an application on cloud and edge platforms from Oracle, Microsoft, IBM, AWS and industrial internet platforms such as GE's Predix with Cloud Foundry. As an application it contains a range of services including Network Services for device and connection management, Data Services for data handling, in-stream analytics and enterprise application integration, Security Services for cyber security, privacy and data provenance, and Business Services including a reporting and monetization business center.



#### CONTACT

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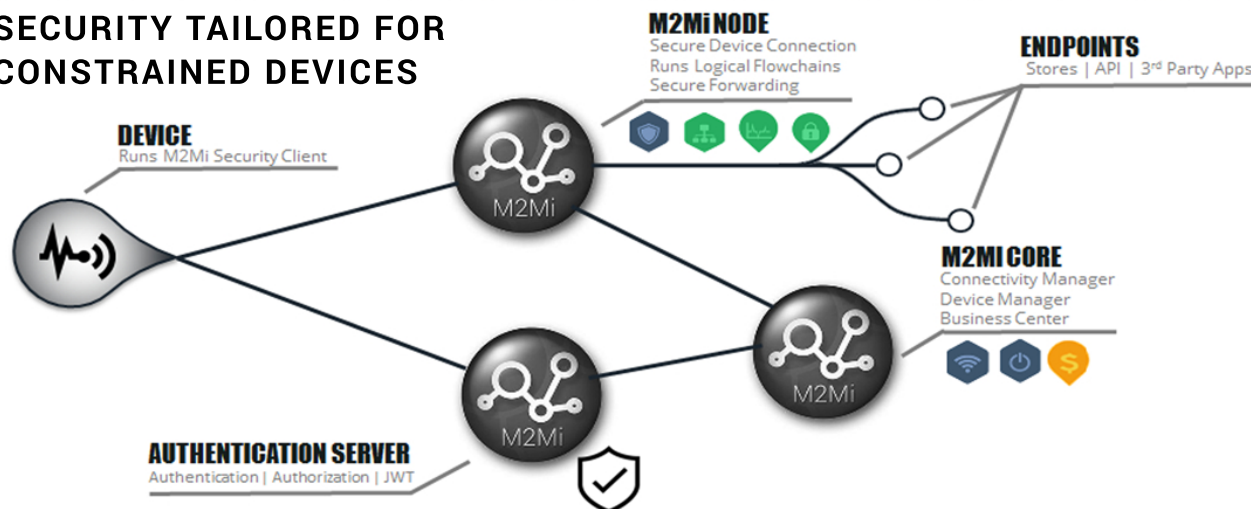


# IoT SECURITY SUITE™

## END-TO-END SECURE SERVICES

The scale, low power devices and distributed nature of an IoT environment requires powerful but lightweight encryption. The M2M Intelligence® application uses standard TLS, HTTPS, SSL for transport security and strong, lightweight data encryption optimized for IoT scale and performance requirements.

### SECURITY TAILORED FOR CONSTRAINED DEVICES



### OVERVIEW

The IoT Security Suite™ was commissioned by the Department of Homeland Security (DHS) and Science and Technology Directorate. It is developed by Machine-to-Machine Intelligence (M2Mi) Corporation and available as open source under the Apache License.

The IoT Security Suite™ provides an implementation of fast encryption ciphers that use minimal resources capable of operating in small IoT devices that have limited or constrained capabilities. In order to meet this requirement, the IoT Security Suite™ uses the Simon & Speck family of ciphers publicly released by the National Security Agency (NSA) in June 2013.

### FEATURES

The IoT Security Suite™ is available as open source cryptographic libraries or through the M2M Intelligence® Cloud Application.



Speck cipher integration into openssl cryptographic library. Available through M2Mi's light-weight device client and standalone.



Every data transmission is authenticated and authorized against M2Mi's authentication server. Valid X509 public key certificates are required to securely identify each device.



Context aware nodes gather a wide spectrum of data transmission information. This allows organizations with granular insight on each request and quick call to action.



The resulting cryptographic suite is certified for national security systems in the United States. It is also designed for cyber and physical critical infrastructure protection.



### CONTACT

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