

# IOT PLATFORM COMPARATIVE ANALYSIS



IOT SOFTWARE PLATFORM	DEVICE MANAGEMENT	INTEGRATION	SECURITY	PROTOCOLS FOR DATA COLLECTION	TYPES OF ANALYTICS	VISUALIZATION
2lemetry - IoT Analytics	Yes	Salesforce, Heroku, ThingWorx APIs	Link Encryption (SSL), Standards (ISO 27001, SAS70 Type II audit)	MQTT, CoAP, STOMP, M3DA	Real-time analytics (Apache Storm)	NO
Appcelerator	No	REST API	Link Encryption (SSL, IPsec, AES-256)	MQTT, HTTP	Real-time analytics (Titanium [1])	Yes (Titanium UI Dashboard)
AWS IoT platform	Yes	REST API	Link Encryption (TLS), Authentication (SigV4, X.509)	MQTT, HTTP1.1	Real-time analytics (Rules Engine, Amazon Kinesis, AWS Lambda)	Yes (AWS IoT Dashboard)
Bosch IoT Suite - MDM IoT Platform	Yes	REST API	*Unknown	MQTT, CoAP, AMQP, STOMP	*Unknown	Yes (User Interface Integrator)

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ThingWorx - MDM IoT Platform	Yes	REST API	Standards (ISO 27001), Identity Management (LDAP)	MQTT, AMQP, XMPP, CoAP, DDS, WebSockets	Predictive analytics(ThingWorx Machine Learning), Real-time analytics (ParStream DB)	Yes (ThingWorx SQUEAL)
Xively-PaaS enterprise IoT platform	No	REST API	Link Encryption (SSL/TSL)	HTTP, HTTPS, Sockets/ Websocket, MQTT	*Unknown	Yes (Management console)