

IOT PLATFORM COMPARATIVE ANALYSIS



IOT PLATFORM	DEVICE MANAGEMENT	INTEGRATION	SECURITY	PROTOCOLS FOR DATA COLLECTION	TYPES OF ANALYTICS	VISUALIZATION
2lemetry	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	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	Yes	REST API	*Unknown	MQTT, CoAP, AMQP, STOMP	*Unknown	Yes (User Interface Integrator)
ThingWorx	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	No	REST API	Link Encryption (SSL/TSL)	HTTP, HTTPS, Sockets/ Web socket, MQTT	*Unknown	Yes (Management console)