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CLEARBLADE RATED AS A LEADING VENDOR IN MACHNATION'S 2018 IOT APPLICATION ENABLEMENT SCORECARD
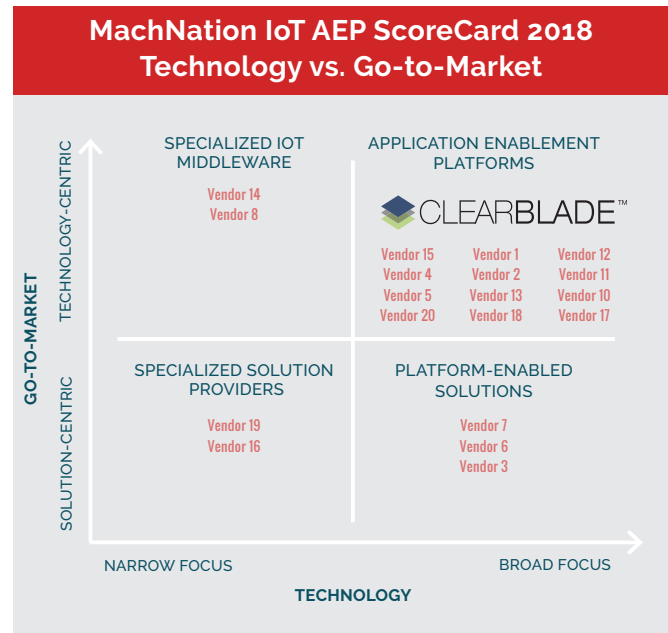
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Introduction

The IoT application enablement space has continued to grow into one of the most critical technology sectors of the Internet of Things (IoT). According to MachNation forecasts, worldwide IoT application enablement and device management revenue will be USD 3.3 billion in 2017 growing to USD 64.6 billion by 2026 at a compound annual growth rate (CAGR) of 45% over the period. Enterprises realize that a well-built IoT AEP saves significant development time and money in the creation and operation of an IoT solution.

IoT Application Enablement Platform (AEP)

An Application Enablement Platform (AEP) is a technology-centric offering optimized to deliver a best-of-breed, industry-agnostic, extensible middleware core for building a set of interconnected or independent IoT solutions for customers. An AEP vendor relies on a flexible deployment model; a comprehensive set of device and enterprise backend connector SDKs and APIs; and a set of well-documented developer resources. AEP vendors assemble a network of application development, systems integrator and service provider partners that builds custom IoT applications on the platform for customers.

MachNation rated 21 vendors across a set of requirements spanning four categories. The four categories of requirements consist of 15 sub-requirements that are the underlying bases of MachNation's rating.

**MachNation IoT AEP ScoreCard 2018
Technology vs. Go-to-Market**

The four categories are:

- Develop
- Deploy
- Operate
- Extend

Based on MachNation's in-depth analysis of 21 vendors, MachNation rates ClearBlade as a leading IoT Application Enablement Platform vendor.

Below, we describe some of ClearBlade's unique strengths and differentiators cited in MachNation's ScoreCard.

ClearBlade Overview

ClearBlade is an Austin, Texas-based enterprise IoT platform vendor. With a strong developer focus and an emphasis on edge computing, the ClearBlade IoT Platform and the ClearBlade Edge Platform target the industrial IoT space. The platform supports a variety of enterprise deployment options including cloud, on-premises and edge. ClearBlade's differentiators include rapid deployment; machine learning enablement; pre-built components and integrations; edge-based computing support; and an auto-sync feature between the edge and the cloud. ClearBlade's primary target market is medium to large industrial companies in the North America region.

ClearBlade has a particularly strong offering in the growing IoT application enablement platform ecosystem. MachNation believes this strength comes from its excellent edge support, its flexible container-based deployment approach and its excellent IoT application development experience. In particular, MachNation cited ClearBlade's unique strength in the following areas:

Clearblade provides excellent edge support. ClearBlade provides a unified application development architecture that enables application logic to be moved from a cloud-based model to an edge-based model with limited refactoring. This model enables a nearly seamless path for deploying applications from the cloud to the edge. In addition, with productized and easily deployed edge agents, merging cloud and edge functionality is significantly less development intensive than other AEP platforms. This capability enables customers to leverage edge capabilities such as local storage or local analytics without significant additional effort.

ClearBlade's container-based approach allows it to run on virtually any hardware. The ClearBlade edge platform is capable of running on a wide range of gateways and specialized devices powered by chips that use ARM-, x86-, and MIPS-based architectures. In addition, the core platform microservices are also containerized with Docker, enabling more flexible platform deployment options. This enables ClearBlade to be run in both private cloud and public cloud environments, as well as locally on edge or bare-metal devices. This flexibility enables customers to decide how and where best to deploy the platform without worrying about technical platform limitations.

The platform offers an excellent IoT application development experience. With an intuitive and powerful cloud-based integrated development environment (IDE), developers are able to easily develop platform hosted applications. Leveraging good development paradigms such as code reusability and a cloud-based debugger, customers can quickly build out complex solutions without significant development investment. In addition, the cloud-based IDE provides tight integration with on-platform data models, enabling efficient access and management of platform ingested IoT data streams. All of these features combine to offer an efficient application development experience that enables even smaller enterprises with fewer developer resources to build

out fully featured IoT solutions with decreased resource investment.

Conclusion

Based on MachNation's in-depth analysis of 21 IoT AEP vendors, MachNation rates ClearBlade as a leading Application Enablement Platform vendor.

MachNation is the only insight services firm exclusively dedicated to covering the future of Internet of things (IoT) middleware, platforms, applications and services. MachNation specializes in understanding and predicting these technology sectors including their impact on digitization, hardware, communication services and support tools. MachNation specialists have provided guidance to the majority of the world's leading IT and communications firms.

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