

Boston Dynamics Pushes IoT-Enabled Commercialization Forward with Snowflake and Apps Associates



BostonDynamics



Boston Dynamics is a world leader in mobile robotics, committed to tackling some of the toughest challenges of today, that solve for tomorrow and beyond. By combining the principles of dynamic control and balance, with sophisticated mechanical designs, cutting-edge electronics, and next-generation software, Boston Dynamics robots are able to automate tasks in difficult, dangerous, or unstructured environments. As the company has increasingly focused on commercializing its technology, Boston Dynamics knew that its IT infrastructure also needed to grow and expand. Boston

Dynamics turned to Apps Associates – a Snowflake Select partner with over 20 years of business experience – to help design, build and implement a Snowflake-based Internet of Things (IoT) analytics solution.

Setting the Stage for Enterprise Commercialization

Boston Dynamics needed a scalable analytics solution that better supported its robots in the field – with stronger data capture and analysis – enabling it to meet long-term company goals that now include commercial sales, product reliability and product improvement at scale.

Boston Dynamics enlisted Apps Associates to establish the foundation for a completely new data warehouse solution using Snowflake to provide automated reporting and move the company closer to its end goal of providing product performance analytics for its robots. The new system would enable data retrieval from the products themselves, furthering the company's progress towards an enterprise data lake and data warehousing solution. By using Snowflake as a base – a scalable, modern analytics platform that drives focused insights – and pairing it with reporting platforms Looker and Tableau, Boston Dynamics

was empowered with the flexibility to scale and tie into other areas of its overall digital transformation. Now, Boston Dynamics is able to address both short-term and long-term needs as its robot deployments scale.

Boston Dynamics CIO, Chad Wright, shared that Apps Associates was the front runner from the onset of the IoT solution project. “I knew they had a business intelligence division and that they worked with tools like Looker and Tableau, which we wanted to implement as extensions of the Snowflake-based solution. Ultimately, they’re a true partner.”

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- Chad Wright, CIO at Boston Dynamics

Enabling Product Performance Analytics with Snowflake

Due to an expedited timeline, and goal to have a cloud environment in place for the engineering team by the summer of 2020, Apps led the project to completion in just one phase over the course of six weeks. Apps experts designed several strategic visions, or architectures, for the solution in alignment with Boston Dynamics' new corporate plan and business objectives. Once the Boston Dynamics team was in agreement on which route was the best fit for the company's vision, Apps quickly moved forward with no roadblocks along the way.

Apps closely worked with engineers from the Boston Dynamics team and interacted with current users to secure data and verify everything was in proper working order. "Ensuring the new solution met current needs while also setting up for future extensions in finance, sales and marketing was a key priority," according to Wright. Not only did Apps Associates build and implement Snowflake on time and under budget, but the team prepared Boston Dynamics with a roadmap for continued digital

transformation down the road – ultimately future-proofing the company for long-term success, with the ability to create a secure enterprise data warehousing platform.

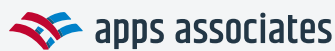
Key Benefits

When building a solution like Snowflake for the first time, it's important to align technical elements with company initiatives and needs – from meeting data storage and performance goals to being able to pivot quickly when necessary. And, with Apps as its partner, Boston Dynamics was able to do just that. Wright shared that Apps, "set up the project team in a really agile way with a lot of transparency that helped the project to move quickly. It was critical to our warehouse strategy and gave the engineers the confidence to trust the solution. They helped us to define processes that didn't previously exist."

Additionally, with this Snowflake implementation, the Boston Dynamic team is now able to create metrics, dashboards, and reports for the future, tailored to their unique business needs.

Looking to learn more about how Apps Associates can support and guide your data warehousing needs with Snowflake? Visit us [online](#) or follow Apps Associates on [Twitter](#) and [LinkedIn](#).

About Apps Associates



Apps Associates is an enterprise application services leader with a customer-first focus. Apps Associates has more than two decades of experience helping organizations innovate through digital transformation initiatives. Customers such as Brooks Automation, Hologic Inc., Edwards Vacuum, and Take Two Interactive Software turn to Apps Associates for strategic counsel, system integration and the services required to solve their most complex business challenges – utilizing experience in analytics, application modernization, process automation, digital systems, technology and operations.

To learn more about how Apps Associates can help you align your business with the right technology, visit: www.appsassociates.com, or follow Apps Associates on [Twitter](#) and [LinkedIn](#).

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