

Energy Corporation Accelerates Azure Stack Connectivity through Network Automation

INDUSTRY

Energy

APSTRA USE CASES

- Private Data Center
- Edge Compute
- Colocation
- Intent-Based Networking
- Intent-Based Design

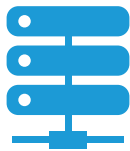
SOLUTION

- Apstra Intent-Based Data Center Automation

CHALLENGES

- Managing many large data centers
- Colocation data center and edge compute expansion
- Unable to hire network engineers near data centers
- Issues with hardware vendor management system

COMPANY: Large Multinational Energy Enterprise



GLOBAL DATA CENTER REFRESH



OPEX CHALLENGES



APPLICATION RELIABILITY

Fortune 500 business focused on exploration, production, manufacturing, transport and power generation, with operations in 175+ countries. This organization turned to Intent-Based Data Center Automation to support their data center refresh initiative, with the goal of achieving application reliability.

As is typical with Fortune 500 organizations, over the last 30 years this corporation has been dependent on and locked in to one vendor. As a result, the infrastructure team fell behind, unable to deliver on the business needs, while their costs spiraled out of control. As a result, outside the purview of the infrastructure team, application teams started moving their workloads to the Azure private cloud. Safety vulnerabilities and ramping costs ensued. The organization mandated the infrastructure team to take control back. Their infrastructure team changed their approach to reduce vendor lock-in and move to a more heterogeneous environment. Consequently, the team delivered on the requirements of the applications team and standardized in an Azure private cloud environment. Implementing Apstra helped them to address their hardware vendor management issues, enabling them to meet compliance requirements across on-premise and the cloud environments.

**BUSINESS IMPACT
AND RESULTS:**

- Scalable full lifecycle automation and agility
- Multi-cloud policy
- MTTI to 0 and agility
- Network switch supplier agnostic lowering CapEx

Chartered with a global data center refresh, and the need to embrace standards to support their multi-cloud, multi-vendor environment, this business needed to decouple the automation and policy layer from its vendor hardware and standardize on an architecture that supported standard protocols such as EVPN and Group Based Policies (GBP). A main goal was to deliver on the needs of the business in supporting a heterogeneous environment while becoming drastically more agile, cost-effective and achieve higher availability. By deploying Apstra Intent-Based Data Center Automation, they were well on the path to deliver on these goals. Using Apstra helped this networking team host more of their applications in the Azure private cloud, running Cisco HCI gear and providing connectivity back to Azure.

Intent-Based Data Center Automation

Digital transformation is driving business strategy. Companies that are successful in making the shift see an increase in revenue and lower operational costs and are more profitable. Consequently, “89% of businesses now have digital initiatives underway,” according to a ZK Research 2018 IT Priorities Study. The automation capabilities delivered by an Intent-Based Data Center can radically change the operational model and enable businesses to slash the costs of running the data center and focus more on innovation. If businesses are to flourish in the digital era, evolving to an Intent-Based Data Center must be one of their top priorities. To learn more about if Intent-Based Data Center Automation is right for your business, download the [Intent-Based Data Centers are the Next Evolutionary Step for Enterprises](#) white paper.

About Apstra

Apstra® Intent-Based Data Center Automation increases application availability and reliability, simplifies deployment and operations, and dramatically reduces costs for Enterprises, Cloud Service Providers, and Telcos. Apstra empowers Intent-Based Data Centers through its pioneering Intent-Based Networking, distributed system architecture, and vendor-agnostic overlay. Headquartered in Menlo Park, California and privately funded, Apstra is a Gartner Cool Vendor and Best of VMworld winner. For more information visit: www.apstra.com or follow us on twitter [@ApstraInc](https://twitter.com/ApstraInc).

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