

# Automation Addresses Data Center Networking Skills Shortage

## INDUSTRY

Financial Services, Gaming

## APSTRA USE CASES

- Private Data Center
- Intent-Based Networking
- Intent-Based Design

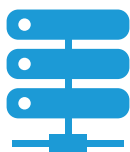
## SOLUTION

- Apstra Intent-Based Data Center Automation

## CHALLENGES

- Difficulty staffing network team at multiple sites
- Shortage of skill sets
- Complexity involved in operating a system by managing individual components or devices
- Heterogeneous multi-vendor implementation, which compounded the complexity: Dell Compute, Dell EMC Storage, Cisco

## COMPANY: Mid-Size Financial Services Institution



2 LARGE DATA CENTERS



MULTI-VENDOR NETWORK



OP EX CHALLENGES

A business with a diverse collection of brilliant and talented individuals committed to giving patrons and operators alike a premium experience. This company conducts high-volume processing, transactional security and analytics, and has a large number of distributed endpoints. The networking team was tasked with increasing the reliability of services, simplifying data center network implementations, and automating operations to continue to ensure they deliver on their customer commitment to quality, innovation and service.

This organization looked at Apstra Intent-Based Data Center Automation for the lifecycle automation of a complete deployment of 6 PODs, avoiding having to manage a component by component environment. They chose automation for two large data centers to gain stability and better ease of use. The networking team benefited by replacing their complicated multi-protocol environment with a single dynamic routing protocol for both IP reachability and isolation, and across network and compute, using routed containers as hosts. Apstra helped this organization to increase the reliability of its services, simplify its implementations, and automate operations to continue to ensure they delivered on their customer commitment to quality, innovation and service. Now the networking team can manage and operate their entire infrastructure uniformly as one centralized system – everywhere, across their network and their servers.

By implementing Apstra, this financial services institution was able to focus on ensuring that the infrastructure delivered on the required services. As a result, they drastically improved their end user experience and maximized revenue. The networking team is responsible for the data center, campus and end points. Now that the data center network is automated, the team is freed up to focus on issues in other areas, reducing the number of fronts they have to fight on a daily basis.

**BUSINESS IMPACT  
AND RESULTS:**

- Significantly reduced operating costs
- Network engineers centrally located and more strategic
- Complete vendor-agnostic lifecycle management focused on the delivered services
- Ability to manage the heterogeneous, multi-vendor infrastructure as one system
- Leverage advanced automation technologies to manage operations
- Prepared for full self-operating data center

## 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](http://www.apstra.com) or follow us on twitter [@ApstraInc](#).

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