

Automate Your SONiC Data Center Network

Reap the Benefits of Open Source

Implementing the SONiC network operating system (NOS) in your enterprise data center not only significantly reduces costs, but it also provides a level of flexibility not found with commercial options. Nevertheless, organizations are often reluctant to adopt SONiC because of the deployment and operational challenges it presents for network architects and operators.

Apstra eliminates these challenges and makes it easy for you to quickly deploy and operate your SONiC data center network. Within just a few days, you'll have a reliable and agile data center network and be able to make the most of the full enterprise-level features that SONiC offers.

Simplify Your SONiC Deployment

Apstra's intent-based networking solution is designed to simplify the design, build, deployment, and validation of your SONiC data center network. Using intelligent automation and abstraction, Apstra addresses SONiC software and hardware interdependencies behind the scenes, which reduces the complexity inherent in SONiC's disaggregation model. Apstra also delivers contextual analytics to give you real-time insight into the state of your network.

APSTRA'S INTEGRATION WITH SONiC ENABLES YOU TO:

- Use the best combination of hardware and software vendors to meet your needs.
- Manage your SONiC network from a single interface.
- Lower your expenses.
- Take advantage of robust network functionality, including top-of-rack and spine features.
- Obtain support from a single, reliable source.



FREEDOM OF HARDWARE CHOICE



Align the required hardware to unique customer network applications from top HW vendors.

MODERN TECHNOLOGY



Combine hardware and software vendors that met your requirements, implementing the most modern ideas and technologies. Managed by Apstra.

RICH FUNCTIONALITY



A full-suite of network functionality, available for data centers, including top-of-rack and spine features.

TIME TO MARKET



DESIGN, DEPLOY & BEGIN OPERATING IN DAYS.

Eliminate Vendor Lock-In

Apstra and SONiC are designed to work with any hardware, both in a single- and multi-vendor environment. Apstra engineers run millions of tests each week to verify that the integration of SONiC and Apstra runs identically on a wide range of hardware.

In addition, Apstra enables you to use SONiC simultaneously with other network operating systems on different switches. Apstra also makes it possible to replace the operating system on individual switches with just a few clicks, allowing you to easily try out SONiC while retaining your existing set-up.

Minimize Errors

Apstra automates many of the manual configurations you would otherwise have to make with SONiC, reducing the likelihood of human errors. For example, SONiC requires that you append “vrf” to each virtual routing. Apstra automatically does this for you.

In addition, Apstra tracks intent, allowing you to perform incremental changes reliably. Apstra operates your entire network as a single system and understands each device’s current and intended state.

Reduce Costs

Apstra reduces operating expenses (OPEX) by streamlining your network operations to maximize operational efficiency. Average operational savings with Apstra is over 80%.

Using open networking software also lowers your capital expenses (CAPEX) since you are no longer paying a vendor for your NOS. Plus, by running on a wide range of hardware, Apstra together with SONiC allows you to combine the most cost-effective options. Freedom to choose your hardware vendor also gives you more negotiating power.