

# Top 5 Reasons to Adopt Dell's Enterprise SONiC Distribution

Empowering customers with better performance, simplified design and the choice and flexibility of a single Network Operating in a multi-vendor ecosystem.

## 1. **The power of open source innovation**

The power of large collaborative community provides greater innovation, interoperability and flexibility. Dell Technologies goes a step further with a dedicated roadmap of features that enable Enterprise, Telco, Edge, and GenAI use cases, and contributing those back to the community. Dell Technologies is a significant contributor to SONiC, with over 1 million lines of code and 5000+ bug fixes.

## 2. **Modernized fabrics capable of handling demanding workloads like GenAI**

Enable simplified design, management and monitoring of powerful Ethernet fabrics to handle modern workloads like Generative AI. Dell's Enterprise SONiC uses Adaptive Routing and RoCE congestion to optimize traffic flows for better workload performance.

## 3. **Choice of leading-edge lifecycle management applications**

Dell's new SmartFabric Manager for SONiC provides simplified management, validated blueprints and better fabric resiliency for SONiC fabrics. Dell Enterprise SONiC supports standards-based APIs, including REST and gNMI, providing clean integration with common third-party management tools as well. Reduce complexity and simplify management with a robust ecosystem of partners.

## 4. **Avoid vendor lock-in, take control of the technology stack**

Take full control of your technology stack - from hardware to software to the ecosystem of tools you use to manage your fabrics. Dell Technologies' rapid adoption of new hardware enhances performance, scale and bandwidth by incorporating the latest ASIC technology and form factors, including a select set of non-Dell switches providing more options and greater flexibility, without vendor lock-in.

## 5. **Have confidence adopting open source SONiC into your production network**

Dell's Enterprise SONiC is hardened, tested and validated across supported Dell PowerSwitch platforms and select third-party switches. With validated designs and professional services, Dell Technologies simplifies the design, implementation and management of your network fabric, and backs it with a world-class supply chain and industry leading support and services, giving you the confidence to run SONiC in your production environment.



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