

# Top 5 Reasons Why You Should Choose Dell Networking for High-Performance Fabrics



Dell networking empowers you to build scalable AI fabrics using advanced automation, flexible multi-silicon support, and reliable enterprise performance for AI and HPC.

## 1 Deploy AI Fabrics Faster

Automate up to **93%** of configuration with [Dell SmartFabric Manager](#) to turn AI fabrics on in minutes, not weeks—while cutting manual errors by up to **90%**. Centralized orchestration gives you a single view to design, deploy, and update end-to-end AI fabrics with confidence.



## 2 Gain Flexibility with Open Standards

[Enterprise SONiC Distribution by Dell Technologies](#) delivers an open, standards-based NOS that separates software from hardware, freeing you from vendor lock-in and enabling silicon choice and architectural flexibility. It supports standards-based APIs and a containerized architecture for easy integration with third-party orchestration tools such as BE Networks, Racksnet, and Red Hat® Ansible®.

## 3 Power AI with Predictable, Scalable Networking

[Dell Networking](#) delivers Ethernet and InfiniBand AI fabrics with high performance for enterprise AI and HPC workloads at any scale, driving business decisions in real time and resulting in faster time to value.



## 4 Build on Proven Hyperscale Reliability

You can build with confidence, knowing that Dell SONiC is running on more than 100,000 switches in Microsoft® Azure™ data centers worldwide. Extend cloud-scale reliability and dynamic load balancing to your on-prem AI fabrics using the same hardened, containerized architecture that powers hyperscale clouds.

## 5 Optimize Dense, Liquid-Cooled AI Systems

Dell networking is engineered for advanced cooling, including liquid-cooled data centers and support for co-packaged and linear pluggable optics, so you can run dense GPU clusters efficiently while reducing power and cooling costs. Thermal optimization helps maintain consistent performance at scale while supporting your sustainability goals.



Learn more at [Dell.com/networking](https://Dell.com/networking)