

Embrace Open Networking

HPE and Cumulus Networks

HPE Foundation Care for Cumulus Linux® simplifies the overall support process and provides the multi-vendor, multi-disciplined expertise that organizations of all sizes require for their Open Networking journey.

With HPE and Cumulus Networks, you can:

- Transform to modern data center networks
- Evolve to open, industry standard IT
- Adopt Open Networking with confidence
- Access the HPE expertise 24x7x365
- Reduce costs and save time resolving issues

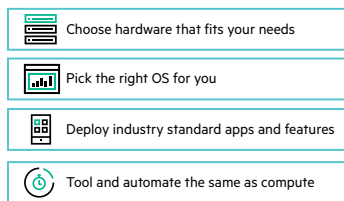
Traditional Networking

Locked in—Hardware, OS, apps, and features



Open Networking

Choice in—Hardware, OS, apps, and features



Open Networking

Open Networking provides a true separation between networking software and networking hardware bringing flexibility, openness, and programmability common in the compute domain to the networking domain. This allows you to combine operating systems, applications, and hardware that best meet your needs.

Organizations of all sizes are adopting open networking as they focus on increasing flexibility and agility, innovating to better serve their customers and improving costs. They want an established and skilled partner to help embrace and evolve with confidence. HPE is that partner.

Cumulus Linux

Cumulus Linux is a Linux operating system for open networking hardware including the HPE Altoline family of open networking switches. Cumulus Linux accelerates networking functions and acts as a platform for modern data center networking tools enabling data center networks to be managed like servers.

Cumulus Linux enables networks that are:

- **Open:** Cumulus Linux is not just “based on Linux,” it is Linux. Cumulus Linux provides the entirety of the Linux experience including a rich ecosystem of existing open source and commercial Linux applications that run natively on Cumulus Linux.
- **Responsive:** With Linux as the API, new applications can be developed and rapidly integrated enabling innovation cycles on par with software and application cycles.

- **Affordable:** Cumulus Linux simplifies network management, automation, and customization helping to reduce OPEX.

Adopt a modern data center network

Cumulus Linux is first and foremost a networking-focused Linux distribution. It enables modern data center architectures while providing a transition path for traditional data center architectures, with support for Layer 2, Layer 3 and overlay architectures.

- High capacity IP fabrics enable scale, simplicity and rapid evolution
- Zero-touch install and zero-touch provisioning simplify operations
- Modern data center orchestration, management, monitoring, and troubleshooting with consistent tools across compute and network
- Prescriptive topology manager verifies physical and logical topology consistency based on a user-specified network graph
- Overlay networks enable flexibility and rapid provisioning of multi-tenant networks

Broad device support

Cumulus Linux is available for a wide range of open networking hardware including the HPE Altoline family of open networking switches giving you many choices for speed, density, form factor, and capabilities. Each device is tested extensively by Cumulus Networks before being certified for Cumulus Linux, and included in the Cumulus Linux hardware compatibility list (HCL).

Broad technology ecosystem

Cumulus Linux is the foundation for a rich technology ecosystem. Being a Linux platform, it can leverage existing tools and applications. It is also the foundation for development as well as rapid integration of third-party applications. Modern data center orchestration tools such as Chef, Puppet, and Ansible work on Cumulus Linux. Modern data center monitoring tools such as collected and Ganglia work on Cumulus Linux. You can leverage scores of applications from the 40,000+ available Debian applications or innovate and build your own.

The challenge: embracing change with confidence

Traditional challenges associated with the cost and effectiveness of managing IT environments are changing dramatically. IT sprawl, islands of automation, and the need for disproportionate investment in IT operations versus innovation are now addressed by convergence, virtualization, cloud, network virtualization, and open networking solutions in rapidly evolving industry-standard IT environments.

While your organization evolves your IT infrastructure to take advantage of these advancements, your IT support experience also needs to keep up and adapt to your new needs and challenges. As the mix of operating systems, software, applications, and hardware from a variety of new as well as established suppliers proliferates, we understand that integrating, operating, and troubleshooting your IT infrastructure can become exasperating as well as expensive.

When problems arise and issues are not resolved quickly, your organization pays the price through unplanned downtime, reduced productivity, and lost opportunity. You need an established support provider with broad expertise and

global scale to deliver predictable results and help you quickly resolve issues.

A support experience that enables you to embrace and grow

HPE has decades of leadership in both networking and Linux, more than 5,500 certified networking experts and more than 5,000 certified Linux experts, along with specialists fully trained on Cumulus Linux. HPE is uniquely positioned to help you confidently embrace open networking. With HPE Foundation Care for Cumulus Linux, your end-to-end open networking support experience is:

- **Personalized:** Through the HPE Support Center, an online resource, we provide personalized access to the knowledge, tools, and expertise needed to manage your open networking environment. The capabilities of the Support Center, which are integrated with our call center backend infrastructure, strengthen the connections between your technology and your support experience.
- **Simplified:** We offer you the flexibility to engage with our worldwide team of specialists through the phone, Web, or both so that we align with your support management procedures, operating styles, and preferences.
- **Integrated:** Your Cumulus Linux purchase from HPE includes Cumulus Linux licensing and HPE Foundation Care Software Support.

HPE Foundation Care for Cumulus Linux

HPE Foundation Care for Cumulus Linux is comprehensive software support aimed to help increase the availability of your open networking infrastructure. HPE technical resources work with your IT team to help you resolve software problems with Cumulus Linux.

HPE provides remote technical support and access to software updates and patches. HPE provides access to software updates and reference manuals as soon as they are made available from Cumulus Networks.

In addition, HPE Foundation Care for Cumulus Linux provides electronic access to related product and support information. It enables any member of your IT staff to locate this commercially available essential information, which is subject to availability from Cumulus Networks.

HPE Foundation Care for Cumulus Linux provides:

- Software maintenance and software updates for Cumulus Linux for a term of one year, three years, or five years
- 24x7x365 remote support from HPE including access to HPE's Cumulus Linux, networking, Linux, cloud, and virtualization experts
- Committed response times of two hours
- Escalation management within HPE for normal cases and between HPE and Cumulus Networks for potential re-engineering cases
- Installation advisory support addressing issues encountered during software installation and guidance for proper installation
- Support for software features, operational advice, and assistance

For over 20 years, HPE has been recognized as a market leader in industry-standard infrastructure, HPE Foundation Care for Cumulus Linux is an extension of this leadership. HPE Foundation Care, along with Cumulus Linux and the HPE Altoline family of open networking switches, helps you embrace open networking and evolve your IT environments to open and industry standard.

Cumulus Linux and HPE Foundation Care for Cumulus Linux

- Available for 1GbE, 10GbE, 40GbE, and 100GbE switches
- Available in one year, three year, and five years terms

Learn more at
hpe.com/services/foundationcare
cumulusnetworks.com/hpe/



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