PAUL CONGDON
Chief Technologist and HP Fellow
HP Networking

HEWLETT-PACKARD COMPANY

Paul Congdon is chief technologist of HP Networking and an HP Fellow, one of the elite HP employees recognized as pioneers in their fields. He is responsible for specifying, architecting and designing ProCurve network infrastructure and software products and he heads ProCurve's worldwide security strategy. In his 20+ years in the networking industry, he has become widely esteemed as an inventor and leader in driving networking industry standards.

Congdon is vice chairman of the IEEE 802.1 committee and technical advisor for the IETF Radius Extensions Working Group, and his long-time activities with the IEEE 802 standards efforts involved him in the creation of the Ethernet LAN. As the HP representative in the group, Congdon has been directly involved in the development of Virtual Ethernet Port Aggregator (VEPA), which is HP's approach to management of virtual switches in the data center. He is co-inventor of the commonly used TCP checksum offloading, a program for accelerating the networking performance of TCP/IP within servers. He also architected the method of distributing ProCurve software onto multiple processors, enabling ProCurve switch software to scale between low-cost, single-chip solutions and high-end, multi-modular chassis systems.

After completing internships with IBM, Congdon joined HP in 1985 as a software development engineer responsible for the creation of networking protocols within HP-UX. He expanded his focus to infrastructure architecture issues and has been involved in the design of a wide range of network devices and technologies, including routers, Layer 2/3/4 switches, iSCSI storage devices, SNA, X.25, FDDI, Ethernet, wireless LANs, virtual LANs, link aggregation and access security protocols, including IEEE 802.1X.

Congdon earned Bachelor of Science, magna cum laude, and Master of Science degrees in computer science from California State University, Chico. He currently holds seven patents related to the networking industry and has several more in process.