

2006

FROST & SULLIVAN

IP Networking
Excellence in Technology of the Year Award

Packet Design, Inc.



Frost & Sullivan's 2006 Excellence in Technology of the Year Award in the field of IP Networking goes to Packet Design, Inc., in recognition of the company's exemplary efforts in advancing network management technology through the development of innovative route analytics technology. Packet Design's industry-leading route analytics solution Route Explorer, enables network managers at service providers, enterprises, government and educational institutions to gain visibility into the real-time, network-wide routing topology of an IP network for the first time. As a result, they can more effectively troubleshoot problems and accurately model and validate network changes. These breakthrough capabilities support greatly enhanced best practices critical to the rollout of converged network services.



Packet Design

IP networks are responsible for an increasing volume and variety of mission-critical applications. Network engineers require advanced management solutions that can yield predictable IP network services and support more sensitive, converged services such as voice and video over IP and web-enabled applications. Further, the networking industry needs solutions that can increase the accuracy of routine network operations as well as detect, diagnose and resolve IP-layer problems faster than currently available conventional solutions.

Founded by industry pioneers Judy Estrin and Van Jacobson, Packet Design has focused on developing network appliances that enable routing-layer visibility into IP networks. Packet Design's route analytics technology is unique in that it enables real-time, network-wide visibility into the internal topology of the network and into all routing dynamics. Beyond its immediate applications to network engineering and operations, route analytics technology can be leveraged to deliver improved traffic-flow analysis, VoIP analysis and other solutions. The integration of Packet Design technology into HP Openview, based on a 2003 OEM agreement, is a strong industry validation of the game-changing role that routing awareness will play in network management solutions going forward.

Route analytics enhances a number of key aspects of network management. In network troubleshooting, only route analytics can tell network engineers the precise network path taken by application or service traffic - knowledge which greatly increases the accuracy and speed of problem resolution. Route analytics-based modeling capabilities also help prevent many problems by allowing engineers to simulate planned network changes using the network's actual routing as the baseline, showing whether a given change will produce the results anticipated. Finally, route analytics can help engineers identify emerging problems before they negatively impact applications -- e.g., routing instabilities that may signal upcoming device failures. These capabilities contribute directly and rapidly to the bottom-line productivity of IT and network engineering groups, helping them meet increasingly stringent SLAs.

Packet Design's Route Explorer is being used by leading enterprises, service providers, government and educational institutions around the globe today to improve network availability, boost performance and dramatically reduce operating costs, all while delivering a strong return-on-investment (ROI).

Frost & Sullivan's Award for Excellence in Technology of the Year recognizes Packet Design, Inc.'s, contributions to the networking industry through its development of the ground breaking routing-aware network management technology exemplified by Route Explorer.