

Press Release

IPv6 to support future 'Internet of Things'

Perneq Corporation Berhad is poised to introduce solutions and products for the deployment of IPv6 for the benefits of the Internet community in the country, in view of the critical need to prepare for the introduction of IPv6 applications into the market.

The massive growth of the Internet has demonstrated its value to businesses, government, professionals, academics and individuals over the last decade. Today, more and more industries are heavily dependent on a range of Internet technologies to operate effectively.

The World Wide Web and other Internet applications currently use version 4 of the Internet Protocol and IPv6 will complement the diminishing Internet addresses under IPv4.

“In line with our goal of becoming a premier technology company, Perneq plans to offer a host of products and services for the IPv6 deployment. Among our IPv6-ready products are servers, routers, software and other network infrastructure such as Perneq eRAS CPE,” said Perneq Group Managing Director Abdul Karim Sallam.

Additionally, Perneq also plans to become a certified Testing and certification centre for IPv6. Among the services are testing of Network Elements, Applications, Networks & Websites and certification for IPv6 readiness.

The company also has IPv6 Enabled ISP and Website Certification under this portfolio. With the strategic importance of managing this issue, it is a high time for decision makers in the civil as well as business sectors to understand the issues and timing of IPv6, and ensure

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that their respective organizations do not fall behind the curve of IPv6 development, dubbed as one of the most strategic technologies ever.

IPv6 offers the potential to build a much more powerful Internet, with vastly larger scale compared to the current situation. Addresses in IPv4 have only 32 bits, allowing for only about four billion addresses, compared to 128-bit IPv6, with some 340 trillion, trillion, trillion addresses.

“The benefits of the Internet are drawn directly from the platform of interoperability created by use of the Internet Protocol, leading to a large ‘network effect’. That is, the benefits to a company from the Internet arise not just by the extent to which the company itself uses the Internet, but far more from the extent to which others — suppliers, customers and individuals —also use the Internet,” said Lawrence E. Hughes, the founder and chief technology officer of InfoWeapons, Perneq’s partner in the IPv6 venture.

According to Hughes, networks are expected to introduce IPv6 into previously IPv4-only networks, to solve problems that are getting worse and worse due to the depletion of IPv4 addresses, and to provide exciting new capabilities to users.

Commenting on the challenges in adopting IPv6, Hughes explained that “an incredible number” of network engineers worldwide will need to update their training.

He said: “Some will not be able to make the leap and will become obsolete, as always happens in such transitions. Most universities are still teaching IPv4, so their students will be obsolete the day they graduate.”

Over time, however, Hughes is optimistic that all of these issues will be resolved. “This change is inevitable and already well underway. There is no alternative to keep the Internet viable and growing.”

Ends.

About Pernec Corporation Bhd

Pernec Corporation Bhd was established in 1973 and is a joint venture between Amanah Raya Bhd (Skim Amanah Saham Bumiputera), Permodalan Nasional Bhd and NEC Corporation (Japan). Under its wings, there are seven subsidiaries focusing on different areas of information and communications technology such as telecommunications infrastructure, manufacturing and services, IT infrastructure and solutions, e-Business, Islamic financial solutions and payphones operations.

Since its inception, Pernec has charted a steady growth in its operations and today is recognized as one of the key players in the ICT field, providing various solutions and products to a wide range of customers locally and abroad, particularly in the telecommunications sector.

In line with its renewed business strategy, the group has identified a number of new initiatives such as the Payphone business, eRas system, green energy and the Halalsquare and eBekal business portals as potential income streams to remain in the forefront in the competitive ICT business.

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