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Ethernet how to drive innovation and universal progress of the times

Abstract: Innovation is essential! It drives progress, to make the world a better place! We even rely on innovation to solve the problems created by the innovation itself ... because the core of the world economy to the East, the Western world to maintain its innovative culture without being eliminated becomes even more important - the Oriental giant must also be innovative in order to ensure their rise beyond the "blue collar" state. Therefore, the network community celebration Ethernet invented 40 years, choose to focus more on innovation and development of culture, rather than recalling past glories.

Zhuangao】【Cnw.com.cn innovation is crucial! It drives progress, to make the world a better place! We even rely on innovation to solve the problems created by the innovation itself...

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Ethernet birth

Ethernet co-inventor Bob Metcalfe, Ethernet drawn sketches.

Ethernet, and the birth of modern network - can be traced back to May 22, 1973 Xerox PARC (Xerox Palo Alto Research Center), the day Bob Metcalfe (Bob Metcalfe) drew a map, sent a concurrent memorandum, the first time ever for the first time an overview of Ethernet concepts. As Bob explained: "David Boggs and I are the main inventor of Ethernet, but we get a lot of help." According to Metcalfe, in addition, in the patent whose names appear on Chuck Thacker and Butler Lampson also contributed greatly. Xerox Palo Alto Research Center (Xerox PARC), Mr. Darling contractors helped develop the transceiver, then David Liddell, and the list goes on the list of the assistance.

Place in Silicon Valley, the time is 1970, the air everywhere innovative atmosphere.This is a wonderful story, but it is called the golden age of innovation is beneath essentials. Because Ethernet in the global proliferation has created more fertile culture of innovation, we guarantee Bob said: "We were not Google, it has not the Internet , today's innovators in the blink of an eye, you can find almost in their field before all the results and people are working, they can begin to collaborate remotely, so we now have what I call the collective wisdom, it is established via an Internet connection, in fact, accelerate innovation. "

Ethernet, 40 years ago, an innovation, the future is being paved for the greater road. How can we ensure that such a thing happen? How best to maximize this opportunity?

Palo Alto Research Center (PARC) - now a wholly owned but independent of Xerox Corporation, a subsidiary of the Computer History Museum and the MEF is to work together to the Computer History Museum in Mountain View, California for three consecutive events organized to commemorate the Ethernet 40th birthday.

May 22 start of the meeting organized by the PARC explore Ethernet innovation process and cultural history. Then the evening celebrations - including visits to museums, the famous inventor with Silicon Valley face to face communication, charity auction, award ceremonies, gala dinner and the opportunity to interact with industry experts. Museum is showing the rise of the Ethernet process, from the thick coaxial cable running on 2.94 Mbps network, and today runs on fiber, copper or wireless high-speed Ethernet.

Ethernets 40th Birthday will be celebrated on May 22, 2013 at the Computer History Museum, Mountain View California, USA

Then, on the 23rd day, there will be all day NetEvents style discussion, debate and industry briefing, where the Ethernet industry leader - now $ 100 billion a year industry market - with more than 35 countries from around the world of Global IT reporters and industry analysts discussion.

Thank Carrier Ethernet and Metro Ethernet Forum (MEF) seminal work, this two-day conference will be broadcast worldwide, as a young innovators of the future educational opportunities - while providing significant additional activity reports.

How it all started

Ethernet at 22 May 1973 was invented at PARC

According to Bob Metcalfe: "The first one is a single-node Ethernet Ethernet, it is not very interesting, which is a tool for testing and debugging purposes, you can send a message to their own node, then we have two nodes - By the way, we named these two nodes Michelson and Morley, they happen to be two physicists prove ether does not exist, so we think it's a bit ironic - the ultimate Ethernet cable series of the whole building. "

What they saw was truly innovative? "In those days, our big innovation is to put each desk is a computer - I know it's hard to believe! We put the computer in every desk and then in the middle of the corridor beneath pull coaxial cable, then everyone from their computers connected to it, so it will grow even fill the entire building. "

Benefits are immediate and the other departments would also like to participate in the network up. "So you want to connect up the laboratory, through the Internet protocol, we have established a Xerox research labs across the Internet until the late 1970s, we began to leave Xerox and elsewhere installing Ethernet."

Bob continues to create a 3Com company, she is the first commercial Ethernet card manufacturer. Less than 20 years, Ethernet will repel from the token-based network competition and dominate the LAN space, with the Ethernet connection of the island covering all continents.

The last decade, due MEF (Metro Ethernet Forum) efforts, the development of carrier-grade Ethernet only makes these islands data via an Ethernet connection, rather than through the more complex and expensive WAN technologies such as Frame Relay and ATM.

MEF President Nan Chen: "In the future there will be a single language to connect the global business and it is not English and it is not Mandarin. It is Ethernet."

With this celebration coincidence that last year marked a turning point: Carrier Ethernet sales for the first time surpassed all other WAN technology sales combined. Ethernet is now more or less taken over the world.

As MEF President Nan Chen (Nan Chen) had predicted: "In the future there will be a single language to connect the global business and it is not English and it is not Mandarin. It is Ethernet."