

NEV(Network Resource Virtualization) Architecture

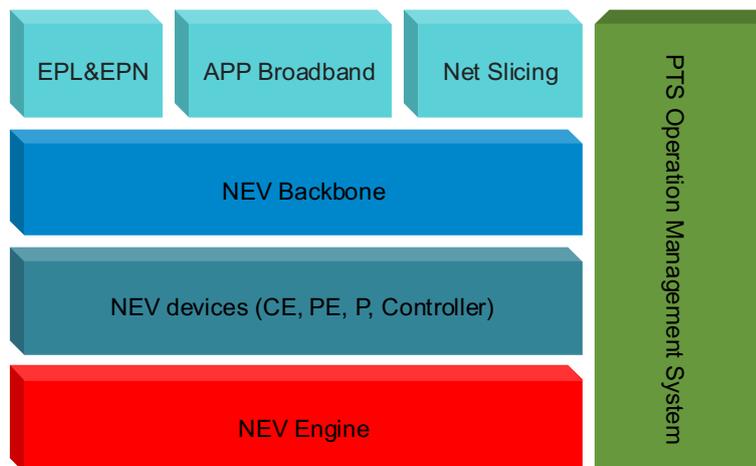
Next wave of virtualization in cloud era

The x86 server virtualization technology led by VMware has spawned a trillion-dollar cloud computing market. Now it's the turn for NEV(network resource virtualization) technology to become the new focus of the industry. The growth of network virtualization is driven by users' desire for more efficient use of network resources and the ability to obtain application-oriented network services. Networks built on traditional network technologies are designed to maintain connectivity and best-effort delivery, imposing sloppy resource management while making it difficult to guarantee end-to-end network service quality. As the global digital transformation tide advances, users' business and daily operations become more and more dependent on the network, and the personalized demand for the network becomes more and more prominent.

As the market leader in NEV network resource virtualization technology, Algoblu has a complete solution from self-developed silicon to hardware devices, from NEV products to NEV network services, which can achieve the elasticity and scalability that cannot be achieved by traditional networks and provide unique and innovative services to users.

NEV Architecture

Algoblu has developed the PTS service operation system with independent intellectual property rights based on NEV's patented network virtualization technology to provide a variety of innovative and advanced network services.



The NEV system consists of five core components.

- Algoblu's self-developed PTS network and service management platform, which provides monitoring, allocation, scheduling and management of network-wide resources, user management and service opening, execution of routing policies and intelligent traffic scheduling, Portal management interface for users, BOSS system, billing and other functions.
- NEV (Network Resource Virtualization) engine is the core technology of the whole system, including self-developed NEV chip and network resource virtualization communication stack software.

- NEV devices, designed and produced based on NEV chips, including user-side access device CE, network-side edge device PE, core forwarding device P and NEV controller.
- NEV backbone network. It consists of NEV edge devices PE, core forwarding devices P and controller as the aggregation nodes and core nodes of the backbone network, and all the long transmission lines adopt DWDM and OTN to provide users with WAN services with strict SLA service guarantee.
- NEV product portfolio. Including NEV EPL/EPN elastic private line/elastic private network, NEV custom QoS broadband (application broadband), NEV network slicing service.

About Algoblu

Founded in 2012, Algoblu has established liaison offices in Canada, Hong Kong, Singapore, China and expanded business in North America, South East Asia and greater China. Algoblu is one of the earliest start-up in the world to engage in SD-WAN technology, product development and marketing services. Since its inception, Algoblu's mission was to build a flexible, programmable network that focuses on virtualizing network resources to achieve increased flexibility and scalability for telecom companies and enterprise customers. Algoblu has developed products based on the innovation of network resource virtualization technology, which is unique in the market has been recognized by customers.

The company's core team members are from well-known IT and Internet companies such as Cisco, Dell. Algoblu has accumulated deep expertise in the field of SDN, SD-WAN, cloud computing, and collaboration communications. To present, there are more than 30 SDN and SD-WAN related technology patents have been filed in the US and China.

Algoblu has built up its backbone across the world with more than 200 nodes. Algoblu's existing hundreds of corporate users span financial, insurance, retail, telecom operators, IDC, gaming, smart transportation, e-commerce, education, sports, manufacturing and many other industries, including a number of the world's top 500 companies.

Contact us:

Email: sales@algoblu.com

Address: 7 Bayview Station Rd, Ottawa, Ontario, Canada K1Y 2C5