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CISCO

The bridge to possible

Cisco Ultra Packet Core (UPC)

Grow profits on the converged, virtualized packet core

Cisco UPC is an industry-leading, virtualized, converged packet core ready to take your business into the next generation of opportunity. UPC is the industry's most feature-rich packet core, making it the right platform to drive new revenues. UPC supports 5G, 4G, 3G, 2G, IoT, small cells, and Wi-Fi.

UPC is fully virtualized and maximizes performance through Control/User Plane Separation (CUPS). This capability affords cost savings through more granular scaling and the ability to position virtualized functions where they are most needed. Leveraging Cisco Crosswork™ automation improves speed of deployment through automation and provides high flexibility, openness, and extensibility.

UPC is a software-only product. It can run on a variety of hardware platforms to meet customer needs. If desired, Cisco offers the Cisco Cloud Services Stack for Mobility; this is a full-stack NFV, automated and prevalidated, with the Ultra Packet Core as the workload.

Benefits

Cisco® Ultra Packet Core (UPC) is an industry-leading virtualized, converged packet core. Cisco UPC is a full-featured solution that provides a host of benefits to service providers to grow revenue, reduce costs, and increase operational agility.

Key benefits include:

· Faster time to revenue when you mitigate risks from introduction of new services or software

· Reduced CapEx and OpEx through our converged platform (5G, 4G, 3G, 2G, IoT, Wi-Fi)

· Increased operational agility

· Advanced automation that simplifies and accelerates instantiation and operations

· Industry's most feature-rich packet core

Learn more

Build your business on the industry-leading virtualized platform

UPC redefines the paradigm of agility for service providers, while also enabling a smooth evolution from physical to virtual while supporting the full spectrum of wireless access (from 2G to 5G and more).

· A proven platform, serving over 1.5 billion subscribers and deployed by many tier-1 operators.
· Create a strong core with the goal of supporting multiple services in the same load.
· Deliver high performance and gain agility to scale up and down.

Finding this interesting and would like to learn more?

Please visit our page on packet core portfolio, and our data sheet for the Ultra Packet Core.

Maximize profitability

Converged, virtualized, and feature rich: UPC is the industry's most feature-rich packet core and supports the full range of wireless/cellular access with 5G, 4G, 3G, 2G, small cells, IoT, and Wi-Fi on a single, fully virtualized product. It is both hardware and hypervisor independent, abstracting the solution from the physical layer and hypervisor and giving operators greater choices for the design of their packet core. Capacity can be added along with network intelligence to keep pace with growing demand for advanced mobile data applications, as well as your older 2G and 3G services, without adding layers of complexity and cost to the mobile network.

Increase elasticity and cost-effectiveness in your mobile packet core: UPC dynamically scales your packet core functions to adapt to real-world needs. So instead of building out a packet core infrastructure for peak capacity, your system can elastically deploy services as needed and in a topology that is most economically suited.

Easily transition to virtualized cloud services: UPC draws on Cisco StarOS software intelligence to provide flexibility and high availability across both physical and virtual packet core infrastructures. This allows you to transition to a virtualized packet core at your own pace, even running some packet core services with dedicated hardware and others as virtualized cloud services if you choose.