REINVENTING NETWORKS WITH CLOUD-BASED NETWORKING

SERVICE ENHANCEMENT, ELASTIC SCALE, NEW REVENUE OPPORTUNITIES

Long term dramatic telecommunications shifts including declining revenues, market erosion, from disruptive players, expanding data and video volumes and mobile workload volatility are driving communication service providers (CSPs) to meet disruptive trends and challenges with transformative strategies. Transformation is being accomplished by moving previously fixed function specific hardware to virtualised services that can be optimized and scale to meet consumer demand.

Profit has collapsed from increasing traffic and rising cost. Massive network data volumes and the unprecedented growth in video challenge today's network. Yet all of this creates new opportunities to monetise the network with innovative technology. As a result, CSPs are examining how network costs can be radically reallocated, operational efficiency increased and new sources of revenue enables through rapid innovation.

Today CSP are witnessing the convergence of cloud and network that is opening up the opportunity to shift costs for CSPs in both CAPEX and OPEX. Today's network infrastructures were not built to allow the agility required for growth, next-generation services and offerings and innovation. Infrastructure agility, made possible through secure cloud-based networking allows new service to be brought online faster, driving cost reductions in both CAPEX and OPEX.

Cloud-based networking using network functions virtualisation (NFV and software defined networking (SDN) technologies enable the speed, performance and security to transform networks by speeding service fulfilment, operations and innovation. Transformation to cloud-based networking provides greater efficiencies and revenue opportunities, enabling CSPs to meet changing market demands and capitalise on expansion opportunities, that is, to reinvent their network.

WHAT IS CLOUD BASED NETWORKING?

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Cloud-based networking brings software-defined network functions to the world of hardware-centric network environments. With software-defined, virtualised networks, CSPs can rapidly provision network functions and service chaining. Cloud-based networking uses a lifecycle management approach that unifies the legacy infrastructure of operations support systems (OSS). This enables a continuous engineering environment from inception to retirement with closed loop, continuous orchestration empowered by cognitive service operations. Cloud-based networking engages the client seamlessly with omni-channel customer engagement so orders can be crafted around the individual and move from order to operation. Cloud-based networking is based on open software and technology that reduces capital investment in hardware. This cost advantage is achieved by using open, general compute platforms coupled with automations of tasks to reduce CAPEX and OPEX.

WHAT DOES IT DO?

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Cloud-based networking unlocks revenue opportunity by transforming networking business through infrastructure ability.

Cloud-based networking using NFV and SDN offers simpler administration, faster development and deployment of services and more efficient pricing models. This model enables standardization across IT and OT infrastructure resulting in elastic scalability. As cloud technology evolves it can leverage legacy investments and extend the usefulness and capability of existing infrastructure.

Cloud-based networking solutions enable new capabilities and capacity through the network. Service enhancements, revenue - generating activities and customer programs or improvements - which would have created weeks of delays due to network rigidity - can now be deployed and managed in a matter of days, enabled by automated, scalable cloud-based networking solutions using common IT resources.

With Cloud-based networking, faster and improved processes speed new capabilities:

- New functionalities and functions are rapidly on-boarded, and new software and software updates are tested and developed through agile network DevOps enabling network agility.
- Network services automatically test desired functions and services in a virtual lab, then rapidly move to a production environment to enable continuous engineering and lifecycle management.
- Solutions scale through close-loop continuous orchestration of functions, linked to policy-based network service performance. This allows for more capacity, more optimisation and reconfiguration of the network, based on the user and network needs during the day, as functions scale in-out and up-down.
- Services are designed to quickly introduce new service offerings using an agile catalog, enabling speed to market.
- The network is secured through end-to-end governance and visibility across all layers of the network.

The result is a transformed network with agility to deploy quickly, enable new average revenue per user and scale at a much lower cost than in the past.

WHAT DOES IT DO?

Accanto's Stratoss™ enables the reinvention of the of network infrastructure, business and operations. The benefits of cloud-based networking enable CSPs to:

- Increase infrastructure agility
- Radically shift CAPEX and OPEX costs
- Maximise network capacity
- Monetise a new generation of network-based services
- Deliver consistent high-quality customer experience

Stratoss™ Lifecycle Manager is a cloud networking automation platform that embraces the IT DevOps movement. Stratoss™ enables complex network services to be designed, created and continuously optimised across hybrid and distributed cloud environments. Stratoss' unique Intent Engine delivers dramatic "lights out" operational automation, lowering the cost of managing edge cloud fabrics for Enterprise and 5G, whilst increasing the pace and possibilities for innovation.

ABOUT ACCANTO

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Accanto is headquartered in Finland and operates globally.
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To learn more about Accanto and our Stratoss™ solution,
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