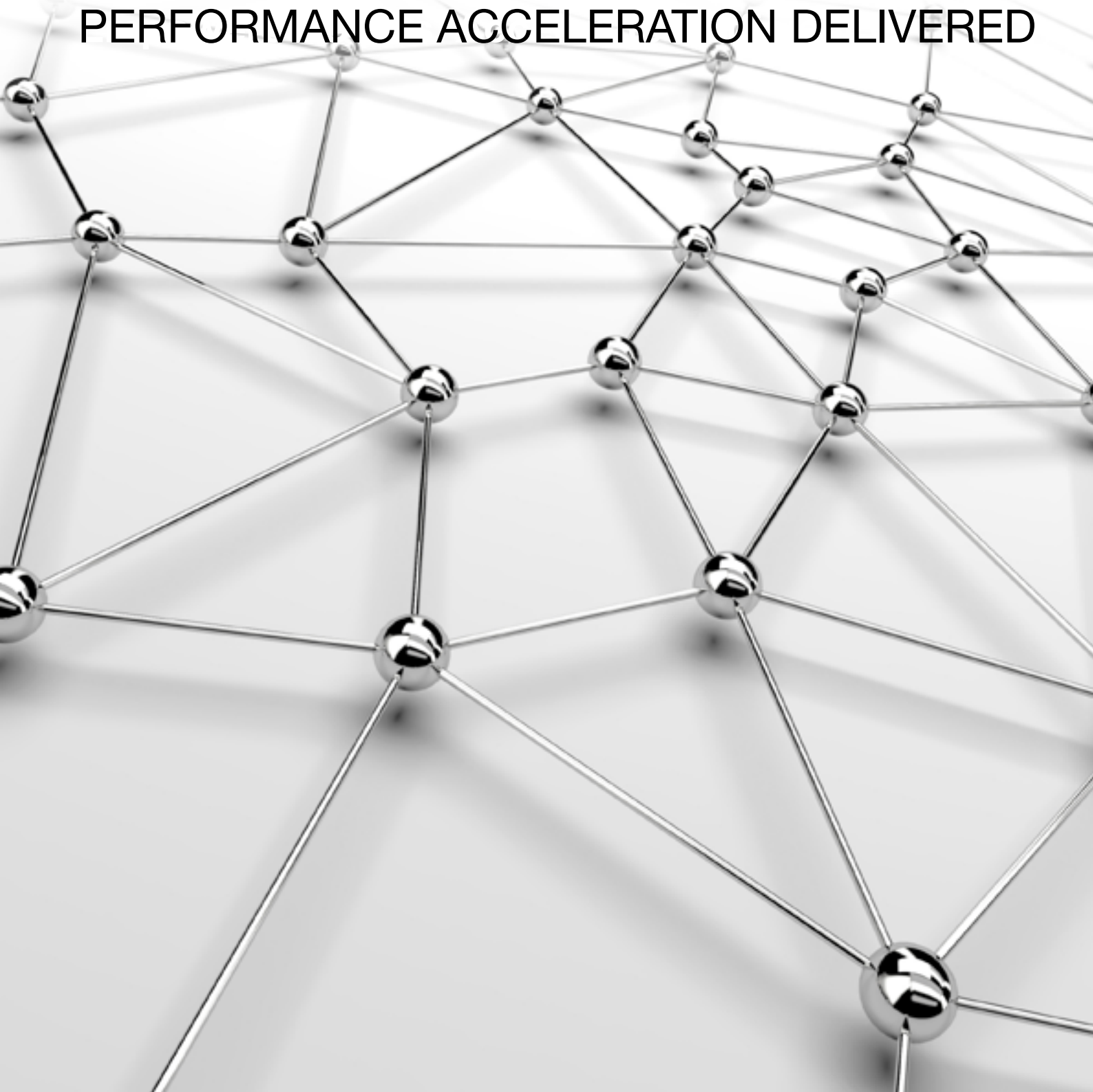


SOFTWARE DEFINED NETWORKING SOLUTIONS

PERFORMANCE ACCELERATION DELIVERED





Overview

Owing to Cloud Computing, the type and number of applications running on traditional network infrastructure has gone up manifold. Networks which were originally designed for client server computation architecture presently face the complexity and dynamic nature of a virtualized computation environment.

A virtualized and dynamic service delivery environment demands networks that are agile, highly scalable and

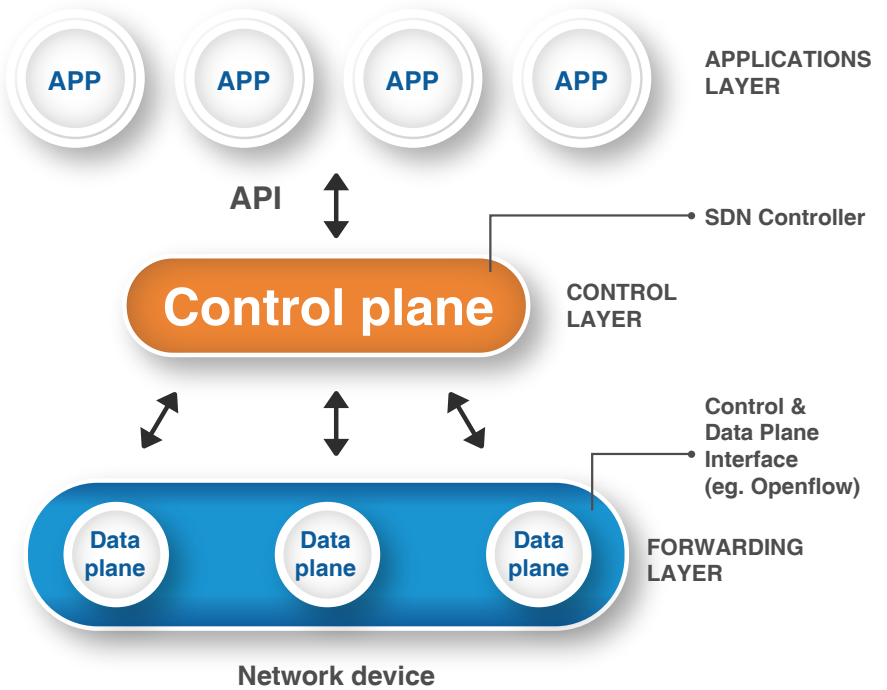
programmable. However today's networks are rigid and are unable to meet the provisioning speed needed to fulfill business requirements.

With IT budgets already stretched thin, businesses need a solution that improves application performance without skyrocketing equipment costs. This is possible by deploying a software defined network that helps remove the vendor lock-in at the hardware and software layers.

Our solution

Mphasis helps take advantage of network virtualization by making networks programmable and enabling flexible network usage. By introducing a vendor-agnostic integration layer, we help break the traditional restrictive network environment and achieve substantial cost savings in the process.

With Mphasis Software Defined Solution framework, network roll out speeds will no longer lag behind server and storage provisioning as we shift the control logic from a physical to a virtualized Cloud environment. The solution consolidates intelligence in a software based Control Plane to act as an interface between the application layer and the network layer.



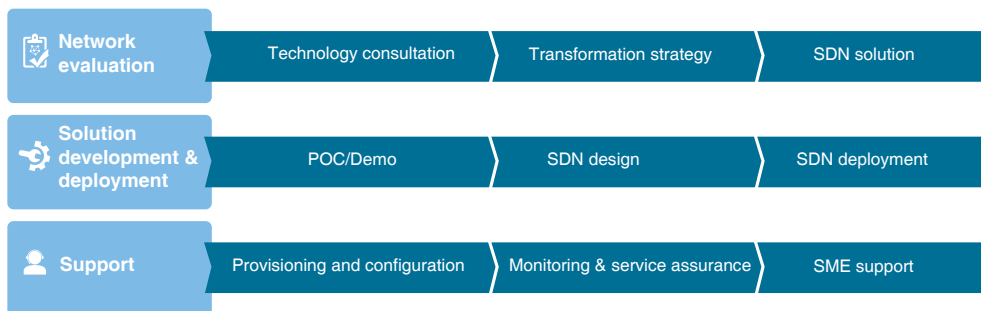
Use cases of SDN

<p>Bandwidth on demand</p> <p>Reduce operational expenses and increase network agility, saving weeks of manual effort</p>	<p>Tap aggregation</p> <p>Save up to \$50,000 per 24 switches by avoiding expensive Network Packet Brokers</p>	<p>Dynamic WAN reroute</p> <p>Save time and money by bypassing expensive inspection devices in the case of trusted data</p>	<p>Bring your own device (BYOD)</p> <p>Enable a smart network that identifies employees or customers regardless of the device they use</p>
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Benefits of embracing SDN

- **High utilization** - Centralized traffic engineering provides a global view of the supply and demand of network resources. Managing end-to-end paths in this global view results in high utilization of the links.
- **Faster failure handling** – Failures, whether link, node or otherwise, are handled much faster. Furthermore, systems converge more rapidly towards optimized and predictable behavior.
- **Agility and flexibility** - Helping organizations rapidly deploy new applications, services and infrastructure to quickly meet their changing business goals and objectives.
- **Hitless upgrades** - The decoupling of the control plane from the forwarding/data plane enables performing hitless software upgrades without packet loss or capacity degradation.
- **Automation** - Implement several automation functions through network apps.
- **Facilitates innovation** - Having a clean interface between the control & data plane, facilitates innovation on the control & data-plane independently of each other.

Mphasis SDN offerings



Success stories

<p>Leading mobile telecommunication provider future proofs their network with Mphasis</p>	<p>Client</p> <p>Problem statement</p> <p>Solution provided</p> <p>Business value delivered</p>	<p>Leading tire and rubber manufacturing company revamps their network operations support with Mphasis</p>
<ul style="list-style-type: none"> • Global presence with more than 200 datacenters • Legacy network infrastructure with outdated equipment 		<ul style="list-style-type: none"> • More than 80 data centers across Americas, EMEA and APAC • Improve the quality of network operations support with 0% change failure
<ul style="list-style-type: none"> • Mphasis implemented a state-of-the-art, global standard network data center and migrated more than 10,000 devices from their legacy system. We achieved a 100% success rate in migration without affecting the client's daily business operations 		<ul style="list-style-type: none"> • Mphasis set up a 24/7 multi-vendor support team as well as built processes and network design standards most suited to the client environment. We also brought in a team of subject matter experts to help predict and proactively fix network issues
<ul style="list-style-type: none"> • Reduced migration timeline from 2 months to 3 weeks using automation • Delivered approximately \$1 Million in savings on bandwidth and equipment cost 		<ul style="list-style-type: none"> • 99.99% change success with high customer satisfaction • Highly optimized team running at 100% utilization resulting in reduced operational expenses

The Mphasis advantage

Mphasis is uniquely positioned to help chart out enterprise network transformation to SDN. We offer solution integration using a myriad of platforms through our partners and alliances. Strong technological understanding and broad product expertise allows us to be a trusted advisor on journey towards network virtualization.

With experienced professionals across network engineering, application development and professional services, Mphasis is the partner of choice for starting from network assessment to the actual implementation of the virtual layer.

Fast facts

Software Defined Networking Redefine your network strategy



Software Defined Networking lets you take control of your overloaded network by transforming it into a more agile, programmable environment

Application layer

Integration layer

Network layer

The integration layer lets you consolidate intelligence by shifting the control logic from a physical to a virtualized cloud environment

Benefits of SDN

Faster network provisioning



Bandwidth on demand

Simple traffic engineering



Tap aggregation

Better network visibility



Dynamic WAN reroute

Mphasis advantage

Mphasis helps you ramp up your network roll out speeds which are a must in an increasingly virtualized and dynamic service delivery environment



Increased agility

Automation helps reduce provisioning time allowing you to accommodate for flexible network usage



Improved performance

SDN enables you to increase network utilization by providing a global view of supply and demand



Fewer failures

Centralized control lets you handle faults much faster making your network more secure and responsive

Fast facts



300+
Certified resources



150+
Migrations completed



200+
Global clients

About Mphasis

Mphasis is a global technology Services and Solutions company, specializing in areas of Digital and Governance, Risk & Compliance. Our solution focus and superior human capital propels our partnership with large enterprise customers in their digital transformation journeys, and with global financial institutions in the conception and execution of their Governance, Risk and Compliance strategies. We strategically focus on next generation technologies for differentiated solutions, delivering optimized operations for diverse clients.

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