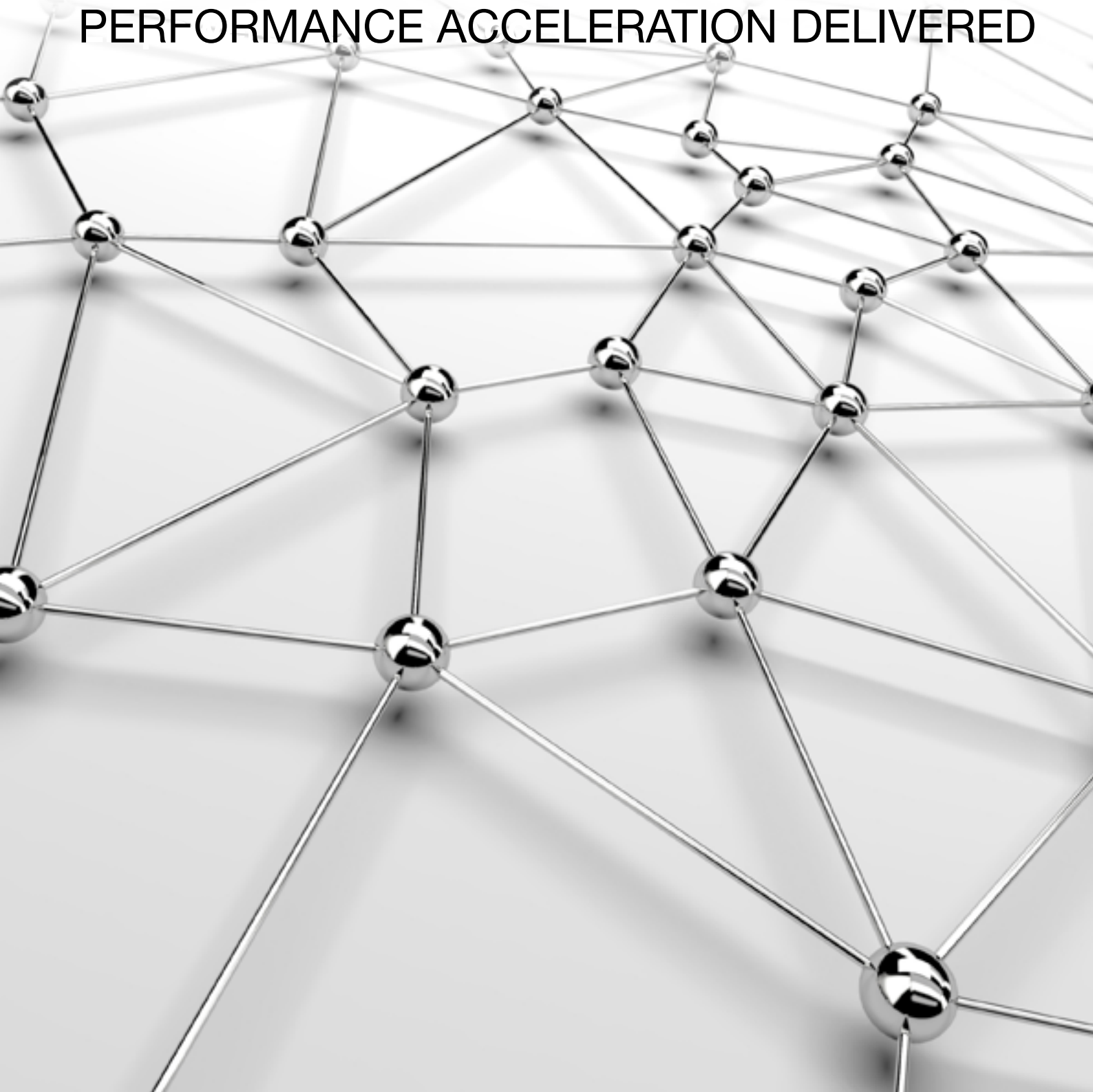


# SOFTWARE DEFINED NETWORKING SOLUTIONS

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

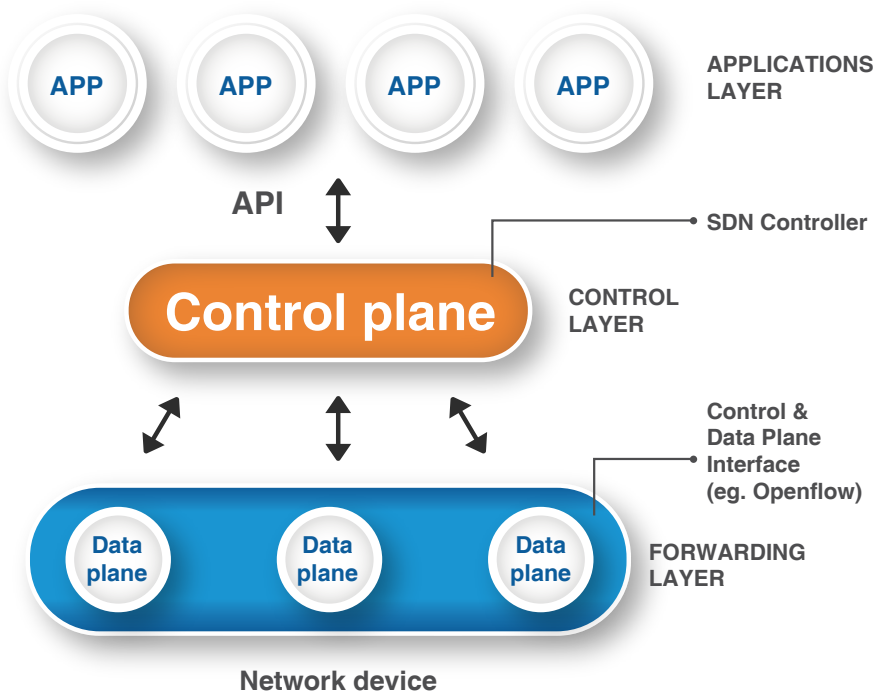
programmable. However today's networks are rigid and are unable to meet the provisioning speed needed to fulfill business requirements.

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.

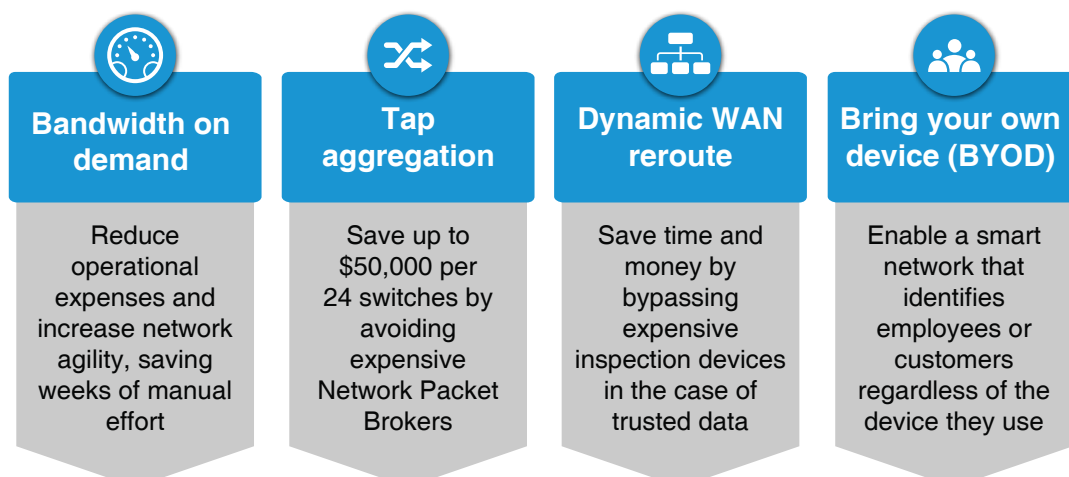
## Our solution

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.



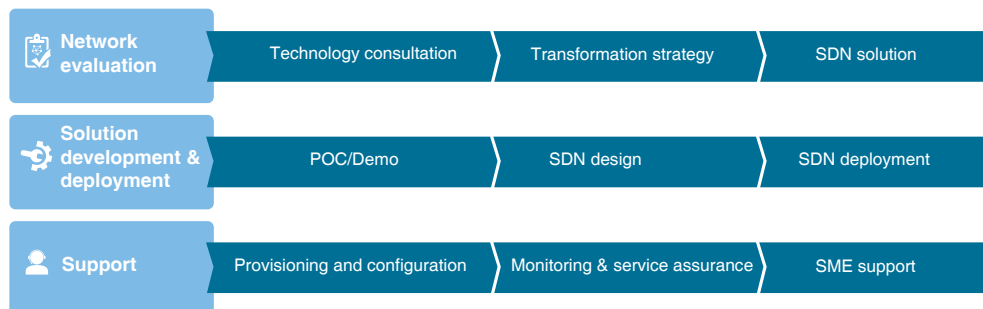
## Use cases of SDN



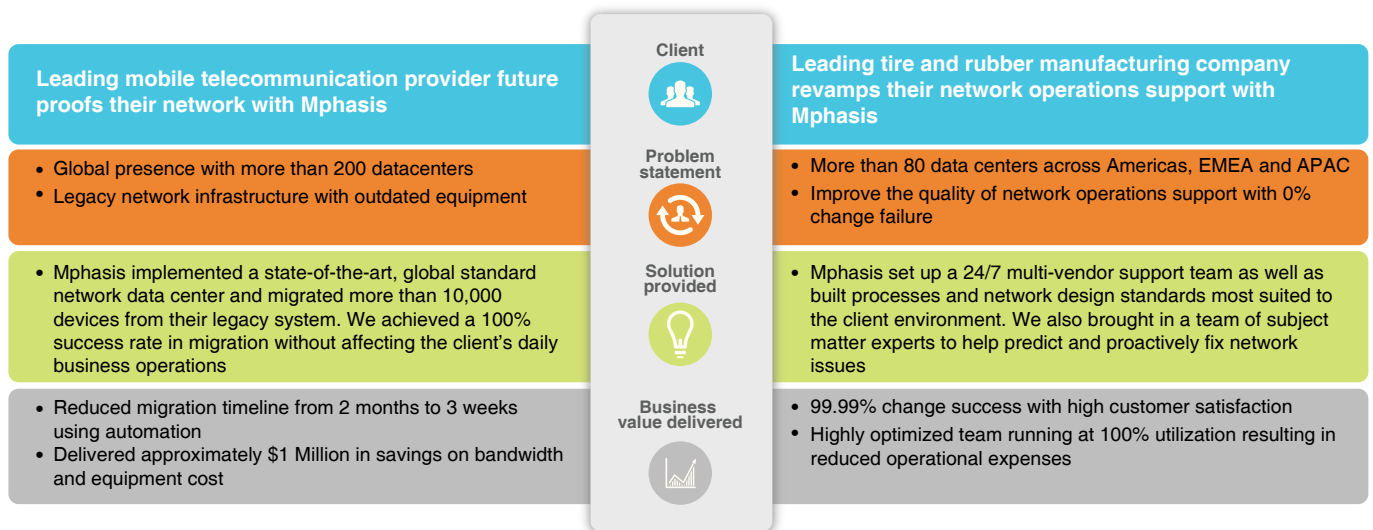
## Benefits of embracing SDN

- **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



## 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. Contact us on [www.mphasis.com](http://www.mphasis.com)

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