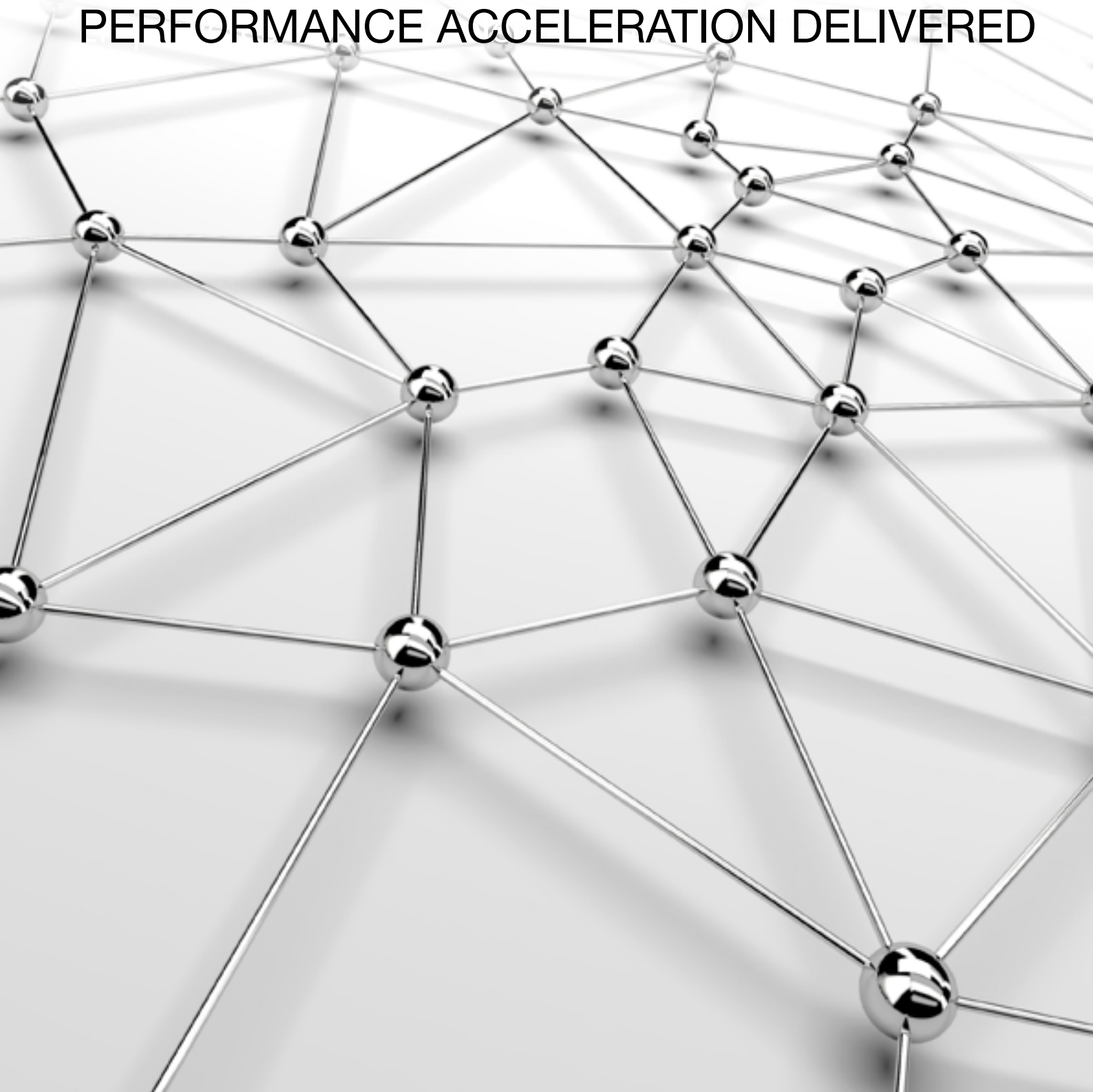


# SOFTWARE DEFINED NETWORKING SOLUTIONS

## 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

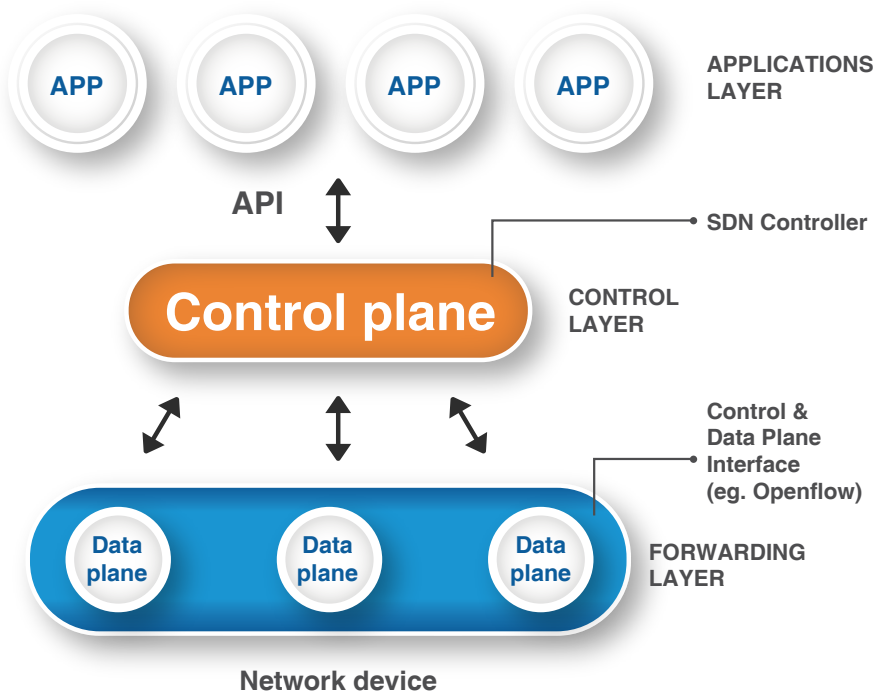
programmable. However today's networks are rigid and are unable to meet the provisioning speed needed to fulfill business requirements.

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.

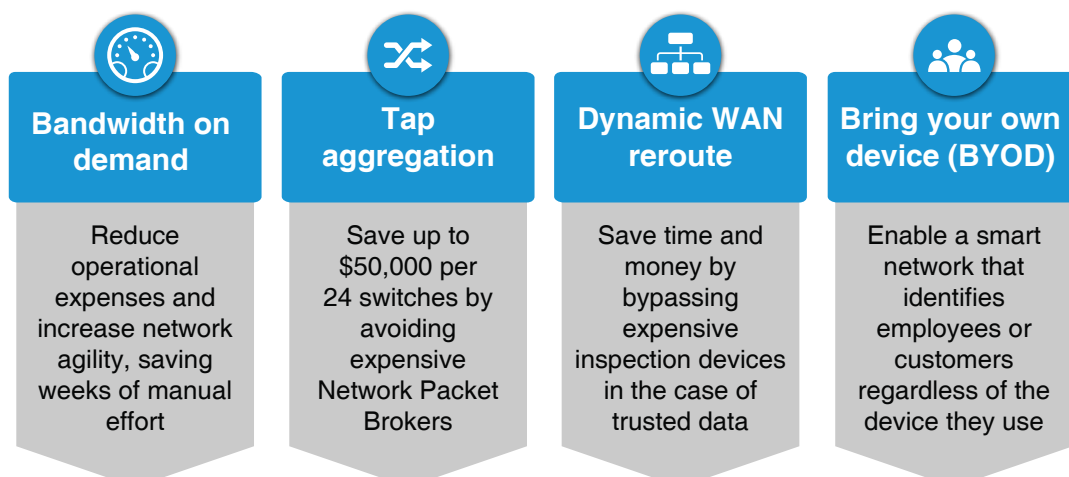
## Our solution

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.



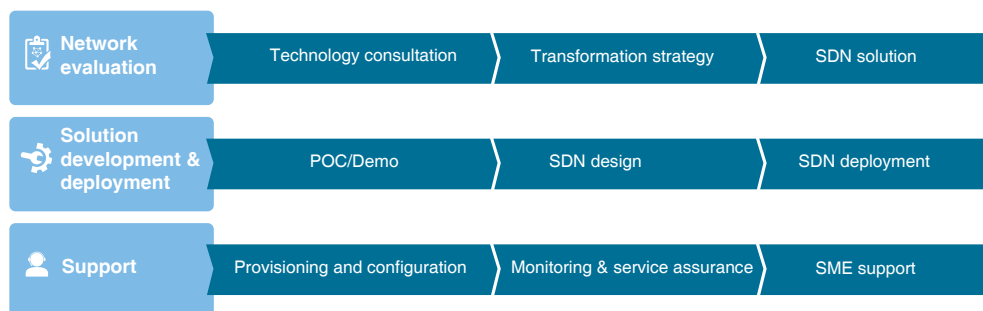
## Use cases of SDN



## 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



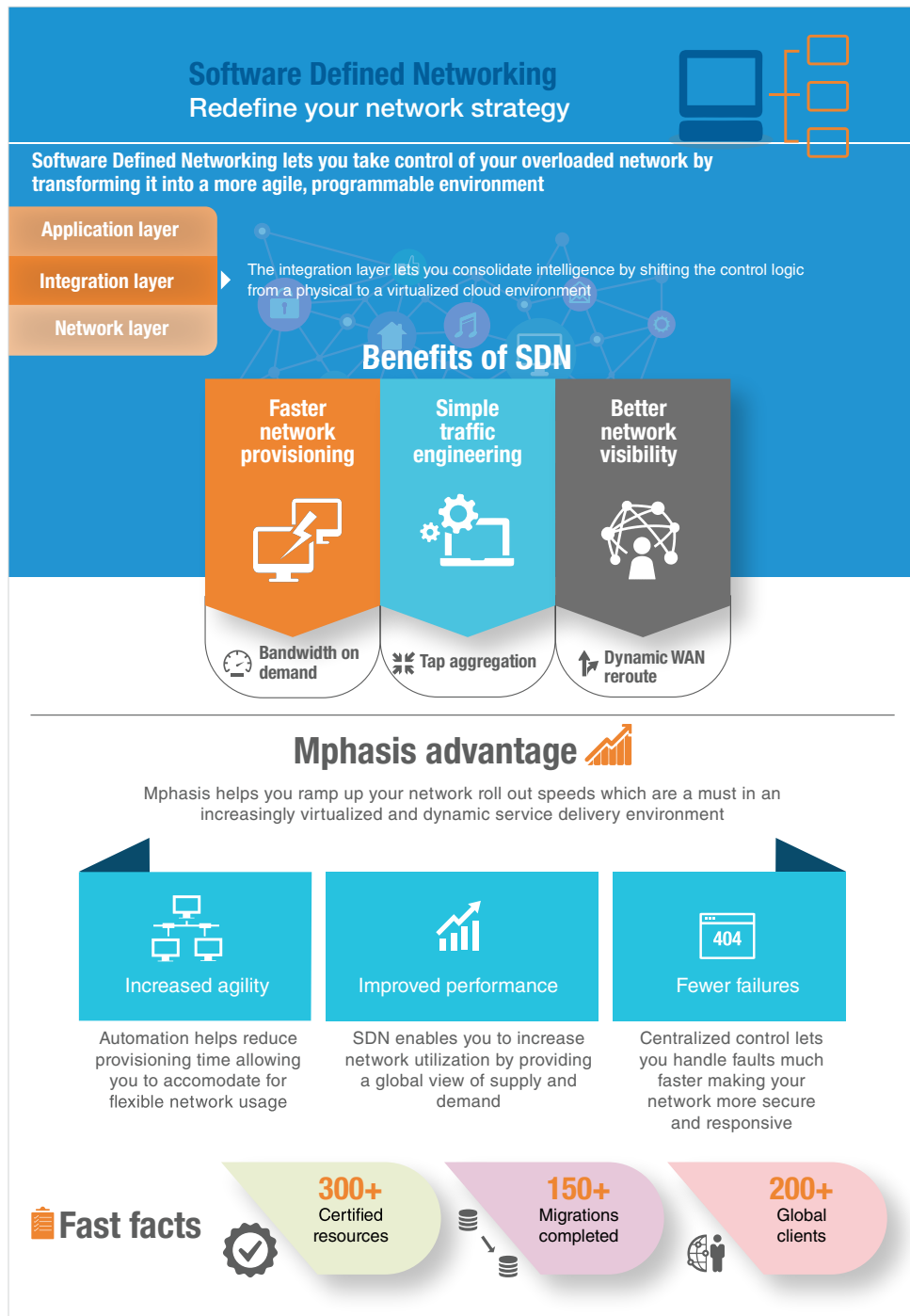
## The Mphasis advantage

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





## About Mphasis

Mphasis (BSE: 526299; NSE: MPHASIS) applies next-generation technology to help enterprises transform businesses globally. Customer centricity is foundational to Mphasis and is reflected in the Mphasis' Front2Back™ Transformation approach. Front2Back™ uses the exponential power of cloud and cognitive to provide hyper-personalized ( $C = X2C^2 = 1$ ) digital experience to clients and their end customers. Mphasis' Service Transformation approach helps 'shrink the core' through the application of digital technologies across legacy environments within an enterprise, enabling businesses to stay ahead in a changing world. Mphasis' core reference architectures and tools, speed and innovation with domain expertise and specialization are key to building strong relationships with marquee clients. To know more, please visit [www.mphasis.com](http://www.mphasis.com)

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