

# EMPOWERING ENTERPRISE AGILITY

## WITH STARHUB SD-WAN

Smarter next-gen WAN for global connectivity



HELLO CHANGE

### Make Your WAN Work Smarter with StarHub SD-WAN

Providing a one-stop global and local connectivity bundled with next-generation WAN control and monitoring 24/7 within a single platform and support structure.

Traditional WAN approaches may not entirely suit what business direction have shifted and evolved. StarHub's SD-WAN can help to realise your company modernisation in the new era of digitalisation while keeping the same trusted, secured and familiar traditional WAN approach you are used to. With a private or hybrid cloud approach, over 2,500+ applications identification and on demand visibility and control, you can have peace of mind over your network.

By the end of 2019, 30% of enterprises will have deployed SD-WAN technology in their branches, up from less than 1% today.<sup>^</sup>

<sup>^</sup> <http://www.gartner.com/document/3173719>

## Why Enterprises are Deploying SD-WAN

VPN Approaches	Service Provider Capabilities					
	Integrated Hybrid Networks	Global Reach with local care	End-to-end Automation & Management	Central Orchestration	Shared business model with strong partners	Relative Cost
MPLS	●	●	●	●	●	●
Internet VPN	●	●	●	●	●	●
SD-WAN – DIY Services & Technology	●	●	●	●	●	●
SD-WAN – Managed Services & Technology	●	●	●	●	●	●
StarHub SD-WAN Next-Gen Approach	●	●	●	●	●	●

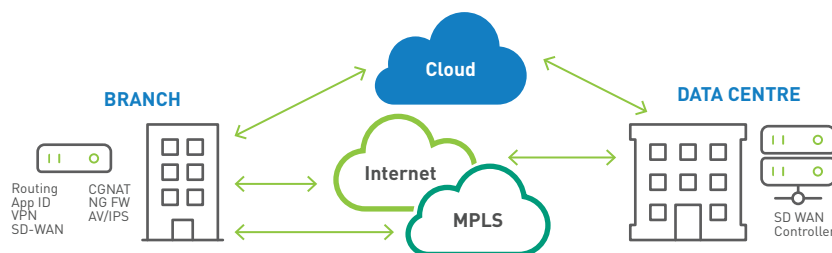
Legend ● Low ● Medium ● High

## StarHub SD-WAN – The Game Changer

StarHub SD-WAN delivers true network agility for your enterprise, all while delivering unprecedented control over performance, bandwidth and security. It is a new, simplified and more effective way of deploying hybrid WAN solutions through a centrally managed platform integrating all carriers.

It merges the networks operated by alliance partners to create a single, seamless high performance platform. SD-WAN has a high platform availability with redundant StarHub hubs and routing, as well as end-to-end data encryption between sites so that your network is always secure.

Leverage on SD-WAN to empower your business with the agility to drive digital transformation across multiple sites globally.



YOUR CHALLENGES	OUR SOLUTIONS
<p><b>Your business and IT systems need a fast and agile VPN</b></p> <ul style="list-style-type: none"> <li>Frequent changes and relocations</li> <li>VPN functionality without lengthy provisioning or high resource consumption</li> </ul>	<ul style="list-style-type: none"> <li>A centrally managed platform with better visibility and control</li> <li>Central service orchestration enables automation of processes</li> <li>Fast integration of deployment of new sites and new services within a single portal</li> </ul>
<p><b>International growth: no gaps in VPN coverage</b></p> <ul style="list-style-type: none"> <li>Establish new international sites without major infrastructure risks</li> <li>Network limitations hampering or delaying international growth</li> </ul>	<ul style="list-style-type: none"> <li>A single, seamless, high-performance network, formed with merged platforms operated by all ngena alliance partners</li> <li>Standardised ordering and operating processes, so you can utilise new networks immediately without constraints</li> </ul>
<p><b>Reliability and data security are more vital than ever</b></p> <ul style="list-style-type: none"> <li>Loss of data connectivity which brings business to a standstill</li> <li>Require high availability with a cost-effective network model</li> <li>More stringent security policies which include encryption for voice communications in a WAN in the future</li> </ul>	<ul style="list-style-type: none"> <li>Various levels of access designs are available, most of the access designs offer redundancy with two or more Internet or Ethernet lines or a combination of Internet and Ethernet lines on simultaneous usage</li> <li>High platform availability with redundant ngena hubs and redundant routing</li> <li>Standard end-to-end encryption or communications between multiple sites</li> </ul>

## Why StarHub SD-WAN



### Simplify control

Monitor your network usage for multiple sites with a single portal where you can reduce resources required with a central management for the entire network from central office to individual remote sites.



### Empower business transformation with agility

Starhub has full control over your global network so that you can optimise bandwidth for different applications to improve business performance.



### Cost savings

Mix and match cost-effective network links, prioritise your traffic and reduce troubleshooting costs and branch WAN outages.



### Enhance optimisation with network visibility

Monitor your network performance and bandwidth utilisation in real-time for better resource allocation and drive network efficiency.



### Minimise downtime with resilient branch networking operations

Automatic failover delivery for reduced latency with flexible and redundant hybrid networks. End-to-end encryption also addresses threat and compliance concerns.

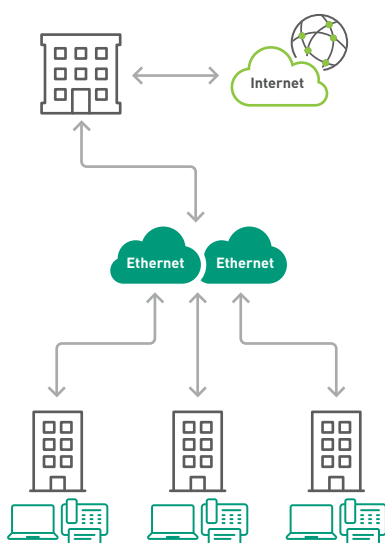


### Global reach with local service support

Set up branches worldwide within shorter time periods with ngena's global alliance partners' local service support.

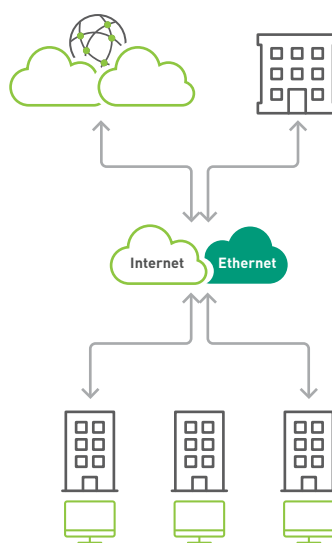
## SD-WAN Deployment Models

### Redundant Ethernet Lines



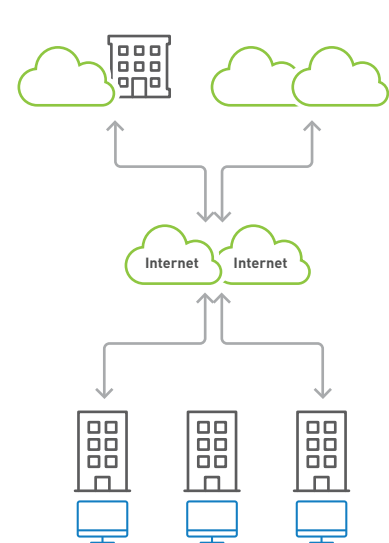
✓ Highest Service Level (SLA)

### Hybrid (Internet & Ethernet)



✓ Enable SaaS and/or high bandwidth apps  
✓ Balanced SLA guarantees

### Redundant Internet Lines



✓ Highest performance

# How Enterprises Benefit from SD-WAN



## Financial Services Industry

Banks, insurance and brokerage companies want to get closer to their customers and prospects to be easily accessible. SD-WAN allows them to give customers more flexibilities and choices in their interactions by deploying more branches, ATMs, kiosks and mobile applications.

SD-WAN centralises provisioning and management of the network, ensuring network at all locations are secured and up-to-date on the latest application versions and security policies.



## Retail and F&B Industry

As today's consumers have higher expectations and demands, retailers are under constant pressure to deliver omni-channel customer experiences which require a robust infrastructure. In-store bandwidth use is exploding through the employment of tablets, video, digital signs, networked point of sales (POS) systems and other technologies.

SD-WAN makes the network more agile, enabling the retailers and F&B stores to easily combine disparate systems together with a centralised control.



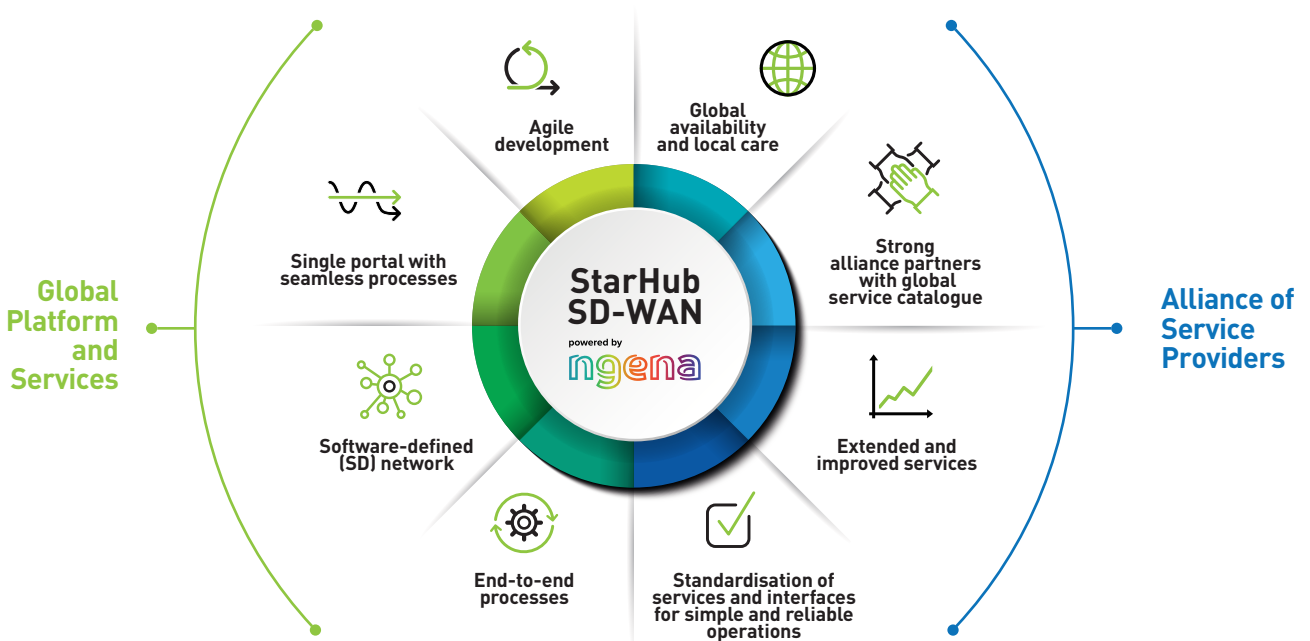
## Manufacturing Industry

Delivering large CAD/CAM files from one remote location to another reduces the productivity of global manufacturing companies. Data synchronisation is a major bottleneck and critical in determining the timeline of a project.

SD-WAN facilitates faster real-time files transfer via high quality ethernet lines connected by multiple alliance partners. Network WAN optimisation also accelerates application performance for employees and customers in multiple manufacturing sites globally to increase productivity.

# Exclusive Worldwide Collaboration Partnership with ngena

StarHub through the ngena partnership has truly formed a one-of-a-kind single global platform for solution design and outreach. With ngena's global backbone and its alliance partnership network with more than 20+ members, StarHub can deploy global SD-WAN seamlessly with the local support.



1800 888 8888



enterprise@starhub.com



starhub.com/sd-wan

DRIVING  
TOMORROW'S  
BUSINESS  
INNOVATIONS

