



EMPOWERING ENTERPRISE CONNECTIVITY:

A COMPREHENSIVE GUIDE TO
SD-WAN SOLUTIONS

Table of contents

CHAPTER 1

- 03** CelerityX and Cnergee: Where Innovation Meets Connectivity
Why We Shine Brighter in the SD-WAN Universe

CHAPTER 2

- 04** Navigating the Modern Business Connectivity Maze
What Modern Enterprises Seek
- 05** Key Challenges and Pain Points in Enterprise Networking
Data and Insights: Shedding Light on the Way

CHAPTER 3

- 06** Unlocking the Future of Networking with OneX
- 07** OneX vs. The Rest
Guaranteeing Network Resilience and Uptime with OneX
- 08** Combatting Security Risks with Innovative Approaches
Masterful Network Management Simplified

CHAPTER 4

- 09** OneX: Tailored Solutions for Every Industry

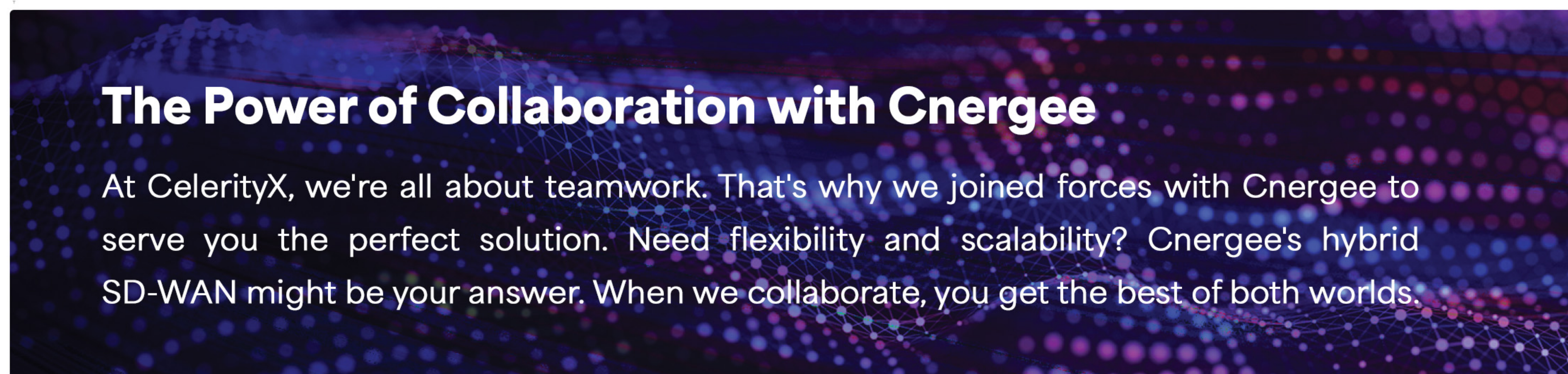
CHAPTER 5

- 11** Summary: CelerityX's OneX - Revolutionizing Enterprise Networking

CelerityX and Cnergee: Where Innovation Meets Connectivity

About CelerityX - A business of ONEOTT iNTERTAINMENT Ltd. (OIL) and backed by HGS and the Hinduja Group, CelerityX is the 'one-stop-shop' for all your enterprise solutions needs. Our digitally-enabled solutions leverage deep industry expertise, and focus on enhancing productivity and providing always-on connectivity to businesses, irrespective of vertical or location. At CelerityX, "Speed is our middle name," and we strive to propel your business towards success through unparalleled speed, efficiency, and innovation in enterprise networking.

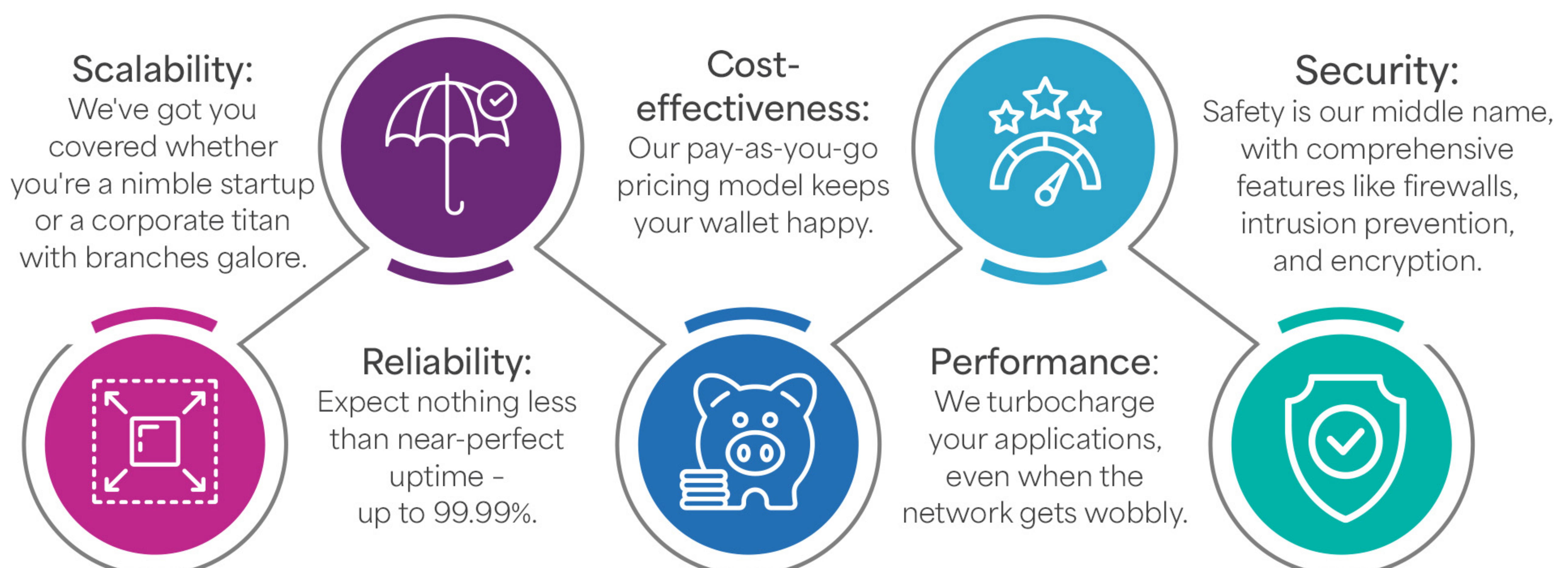
Cnergee Technologies Pvt Ltd., founded in 2013, set out to be a leading networking software products company predominantly for Telcos and ISPs. With extensive experience in networking and the internet domain, Cnergee pioneered the world's first full-fledged CRM software for ISPs, followed by integrated AAA authentication and Bandwidth management solutions Platform. Recognizing Cnergee's vision and capabilities, a leading Telco giant, Airtel, formed a strategic alliance by investing in the company, further enhancing its offerings.



The Power of Collaboration with Cnergee

At CelerityX, we're all about teamwork. That's why we joined forces with Cnergee to serve you the perfect solution. Need flexibility and scalability? Cnergee's hybrid SD-WAN might be your answer. When we collaborate, you get the best of both worlds.

Why We Shine Brighter in the SD-WAN Universe



Navigating the Modern Business Connectivity Maze

In the digital age, as businesses transition from isolated on-premises networks to cloud-based applications and decentralized infrastructures, traditional WAN solutions prove inadequate. These conventional WANs often rely on SLA-backed private MPLS or leased line links, primarily connected to an organization's central data centers for both application access and security. However, this approach poses several critical challenges:

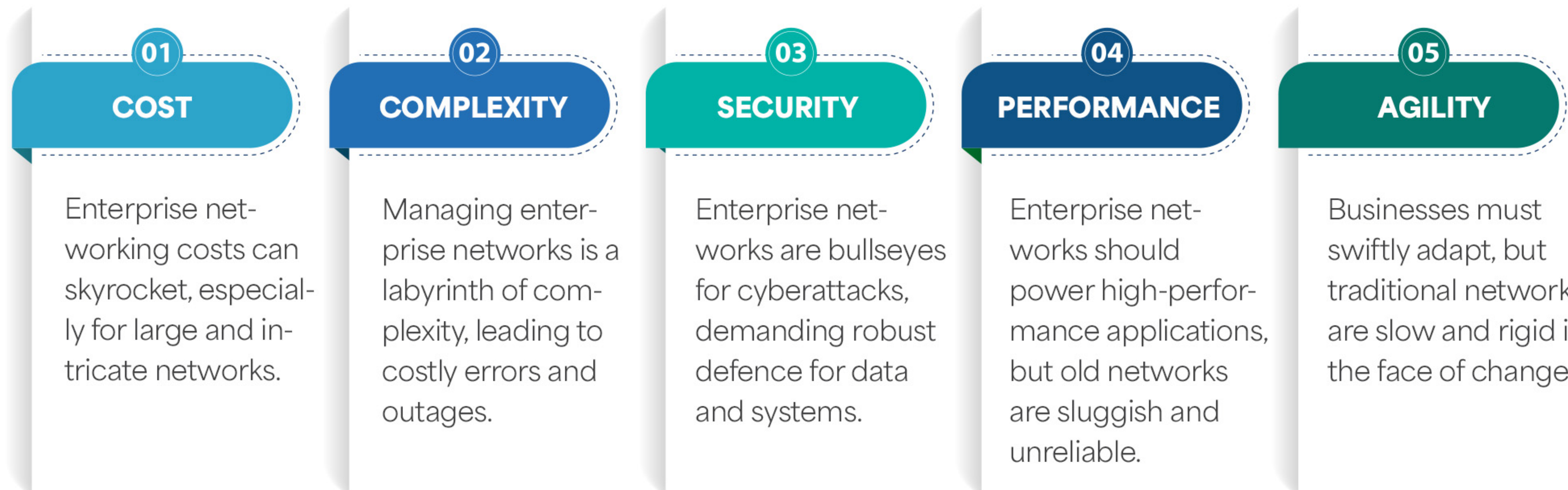
Parameters	MPLS
Feasibility	About 2 to 3 months, a bottleneck to agility
Bandwidth / Speed	Limited bandwidth leading to slow speeds
Impact on Performance	Instant bandwidth scaling unavailable, impacting business
Redundancy	High cost with uptime issues
Deployment Time	Takes weeks, affecting business operations
Manageability	Difficult on-site management
Analytics	Analytics unavailable, making tracking difficult
Need for High-skilled IT	High expertise needed for maintenance

What Modern Enterprises Seek

Navigating the Labyrinth: Today's enterprise networks are a maze of complexity, interwoven with threads of cloud computing, IoT, and mobility. But this complexity often traps them in a web, resisting efficient management and security measures.

Craving for Need for Speed: Enterprises, the driving force of the modern economy, hunger for networks that can match the velocity of their critical applications and services. Yet, traditional enterprise networks, stuck in the past, often lag behind, especially over long distances.

Key Challenges and Pain Points in Enterprise Networking



In this rapidly evolving landscape, your organization needs a WAN solution that can adapt, grow, and keep pace with your business. At CelerityX, we offer a transformative solution with OneX. Say goodbye to the limitations of MPLS and embrace a WAN that empowers your business for the digital age.

Data and Insights: Shedding Light on the Way

This data tells a clear story – CelerityX and Cnergee's transformative SD-WAN solutions conquer network challenges, enhancing cost-efficiency, security, performance, and agility.

- ✕ **Gartner's recent survey:** A whopping **70%** of IT decision-makers say their networks lack agility to meet business needs.
- ✕ **IDC's research:** The average data breach costs a sobering **\$3.86 million.**
- ✕ **VMware's discovery:** **62%** of enterprises wrestle with monthly network outages.
- ✕ **Gartner predicts:** A staggering **64%** of enterprises are set to implement SD-WAN in the next two years.
- ✕ **IDC reveals:** SD-WAN can slash WAN costs by an astonishing **50%.**
- ✕ **Cisco's revelation:** SD-WAN can supercharge network performance by a jaw-dropping **40%.**
- ✕ **VMware's findings:** SD-WAN can pare down network complexity by an astounding **50%.**

Source: Gartner, IDC, VMware, Cisco

Unlocking the Future of Networking with OneX

At CelerityX, we believe in breaking barriers and pushing boundaries. That's why we've partnered with Cnergee to bring you OneX, a revolutionary SD-WAN solution designed to address the unique challenges of modern enterprise networking through:

Unified Network Management: With OneX, you get a single Network as a Service solution that does it all. Our 'Make In India' certified Software-Defined WAN technology offers a unified platform for WAN management, network security, and LAN-side management of micro-segmented restrictions on users' access to applications. No more juggling multiple solutions; OneX simplifies it all.

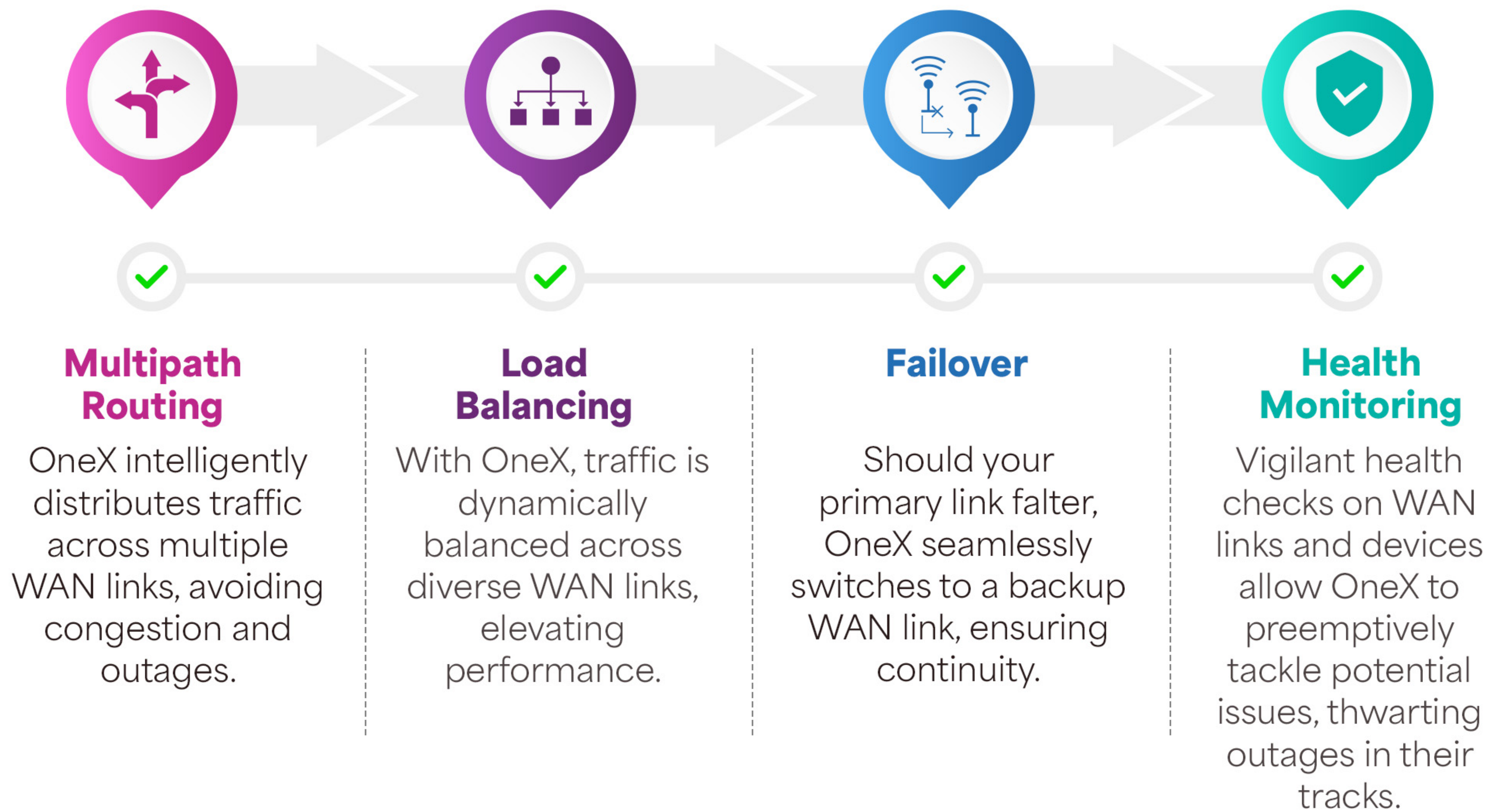
True Bandwidth Aggregation: Unlike other SD-WAN solutions that rely on input sources in failover mode, OneX provides true aggregation of bandwidth across inputs. Say goodbye to downtime or session terminations during input source failures. We keep your network running smoothly, no matter what.

Comprehensive Features: OneX doesn't stop at bandwidth. Our solution includes a rich set of features, from dual SIM support to stateful firewalls, IDS/IPS, and geo-fencing services. It's a comprehensive package in a single box, all at an economical price point.

OneX SD-WAN	Other SD-WAN
Affordable for all business sizes, resulting in lower Capex, Opex, and TCO.	Generally affordable only for enterprises due to higher Capex, Opex, and TCO.
Rapid deployment in just a few days, depending on volume.	Longer deployment timelines, often taking weeks to months depending on volume.
Easily manageable by L1 skilled IT resources.	Requires highly skilled IT resources for deployment and management.
True aggregation of available input sources for efficient bandwidth utilization.	Typically offers load-balancing solutions.
Hardware agnostic, giving you flexibility in your choice of hardware.	Needs specific hardware for the solution.
A simple solution using a static route on an encrypted tunnel.	Higher complexity with the usage of dynamic routing protocols.

Guaranteeing Network Resilience and Uptime with OneX

At CelerityX, we recognize the absolute importance of a network that's as reliable as the sunrise. That's why we've engineered OneX with a robust arsenal of features to ensure unyielding network reliability and uptime:



OneX deploys a formidable lineup of security measures to ward off cyber threats:



Firewalls

Our solution sets up robust firewalls to thwart unauthorized access and protect against common cyberattacks.



Zero-trust Security

OneX deploys a zero-trust security model, ensuring that only authorized users and devices breach your network's gates.



Encryption

Sensitive data is shielded from prying eyes through robust encryption.



Intrusion Prevention and Detection Systems

OneX's vigilant eyes spot and thwart malicious traffic before it even knocks.

Combatting Security Risks with Innovative Approaches





In our ever-evolving digital realm, security risks loom large. OneX, however, stands as an indomitable shield with innovative defenses. Real-time threat intelligence is the sentinel at the gate, continuously identifying and thwarting known and emerging threats. Known malicious IP addresses and domains? OneX brushes them aside without a second thought.

User authentication and authorization play pivotal roles, ensuring that only the rightful enter. Role-based access control (RBAC) is a sentinel, ensuring users access only what's necessary.

Automation is our trusty squire. OneX's security automation features update policies and configurations automatically, staying ever vigilant.

Masterful Network Management Simplified

Efficient network management is not just a goal; it's a mandate. OneX streamlines this complexity with the following features:

-  **Centralized Management:** A unified command center for overseeing every facet of your SD-WAN network. Manage, troubleshoot, and oversee with effortless ease.
-  **Self-service Portal:** Users can independently manage their connections and applications via OneX's user-friendly portal, reducing IT intervention.
-  **Automated Provisioning:** New devices and connections are automatically added to the SD-WAN network, slashing manual workload.
-  **Robust Reporting and Analytics:** OneX offers comprehensive reporting and analytics tools, empowering IT teams to fathom network performance. Identify bottlenecks and security threats with a discerning eye.

In summary, CelerityX's OneX solution is a force to reckon with. It empowers enterprises to conquer the quintessential challenges of modern networking: bolstering network reliability and uptime, neutralizing security risks, and simplifying network management. With OneX by your side, you're not just connected; you're invincible.

OneX: Tailored Solutions for Every Industry

In a world where one size doesn't fit all, OneX emerges as the versatile solution for diverse industries, addressing specific needs with pinpoint precision:

RETAIL.....

Elevating branch office connectivity and customer experiences by prioritizing traffic for POS systems, security cameras, and in-store Wi-Fi.



HEALTHCARE.....

Ensuring ironclad, reliable communication between telehealth systems, medical devices, and electronic health records.



FINANCE.....

Fortifying security, reducing downtime, and supercharging financial transactions and secure communication between branches and headquarters.



TRANSPORTATION..... & LOGISTICS

CelerityX's intuitive network management solutions simplify the complex logistics landscape, enabling providers to focus on efficient distribution.



ENERGY.....

Get an instant rollout and high uptime Broadband over Satellite solution, ensuring secure connectivity with 99.999% uptime.



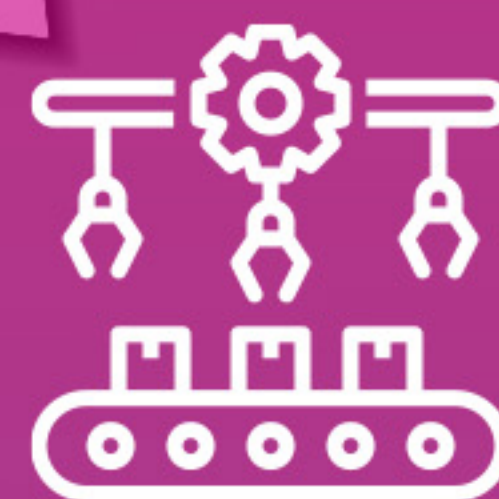
..... EDUCATION

Safeguarding secure and dependable network connectivity for online learning systems, video conferencing, and other educational technologies.



..... MANUFACTURING

Enhancing efficiency by prioritizing real-time control and monitoring systems, optimizing industrial IoT communication.



..... GOVERNMENT

Elevating public service delivery by securely connecting government offices and ensuring reliable communication for emergency services.



..... ITES

Elevate your IT landscape with streamlined SLA management, robust security including UTM and built-in firewalls, and seamless connectivity for remote setups.

..... MEDIA

Our extensive network connects key sports venues across India, providing redundancy via fiber and Satellite for remote contribution feeds, facilitating remote production.

Summary: CelerityX's OneX - Revolutionizing Enterprise Networking



Market Challenges:

Traditional enterprise networks struggle to adapt to the demands of remote work, with challenges ranging from high costs and complexity to security and performance issues.



Industry Data:

Industry research emphasizes the urgency of addressing these challenges, with data revealing the high cost of data breaches and the potential for SD-WAN to enhance network performance.



OneX:

OneX, powered by Cnergee is a certified SD-WAN technology, that provides a comprehensive Network as a Service solution. It ensures reliable and secure WAN management while simplifying network complexity.



Key Advantages of OneX:

OneX stands out with its ability to aggregate bandwidth from multiple sources, providing high availability. It boasts unique features like dual SIM support, stateful firewall, IDS/IPS, and geo-fencing services.



Comparison with Other SD-WAN Providers:

OneX offers significant advantages over traditional SD-WAN deployment architectures, delivering lower costs, faster deployment, and ease of management.



Streamlined Network Management:

OneX simplifies network management with centralized control, self-service portals, automated provisioning, and robust reporting and analytics.



Ensuring Network Reliability:

OneX deploys multipath routing, load balancing, failover, and health monitoring to ensure network reliability and uptime.



Mitigating Security Risks:

Real-time threat intelligence, user authentication, and authorization are used to protect against threats, while security automation ensures up-to-date defences.



Industry Agnostic Solution:

OneX caters to various industries, from retail and education to healthcare, manufacturing, finance, and government, addressing specific needs and enhancing connectivity.

In summary, CelerityX's OneX empowers enterprises to tackle the challenges of modern networking head-on, ensuring reliability, security, and streamlined management across diverse industries.

Cutting edge networks and digital solutions



NetX

Always on. Always connected.

Your one stop hub for seamless WAN connectivity solutions.



SkyX

Pervasive community, anywhere.

High speed satellite broadband for remote connectivity.



OneX

Your WAN. Your way.

The ultimate all-in-one security solution for your business locations.



HomeX

Connect. Collaborate. Conquer

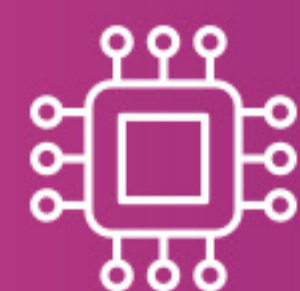
Boost remote connectivity with smart features.



Speed in Support and Service



Speed in Trouble Ticket Solution



Speed in Solutioning and Proof of Concept



Speed in Project Management



www.celerityx.com

4th Top
Private ISPs

10000+
Partners

300+
Cities

Up to
1000 Mbps
One Gigafiber

1 Million
retail
customers

>5000
Enterprises

Leading provider
of broadband over
satellite across India