

Benefits of InfiNxt SD WAN

Value addition and Solution Benefits



S.No	Current Challenges	Solution features	Business use case
1	Dependency on costly MPLS at all sites for application availability and security.	Transport agnostic feature can create a homogenous overlay with any discrete underlay transport like BB, ILL, PPPoE, MPLS, LTE etc.	Increase in the bandwidth requirement is inevitable. MPLS at all sites is not a cost-effective option to meet the current and future bandwidth and security requirements. Infinxt can provide flexible utilization of any combination and permutation of MPLS and other non-MPLS transports that can improve the application efficiency and network security without increasing the cost exponentially
2	Investment protection of the current IT investments	Infinxt can work along with the current gateway security investments by service chaining with them. The WAN management will be done by InfiNxt and traffic inspection will be handled by the firewall.	Infinxt can co-exist with any third-party vendor investment made at the security gateway. The offloading of the WAN functions to InfiNxt will improve the firewall efficiency in handling WAN security. This would help the business in making the maximum utilization of the current investment and an option to upgrade to a full-fledged SD-WAN across the organization at the right conditions.
3	Optimum WAN investment utilization through auto failover or load sharing in an active-active mode of configuration	The solution facilitates sharing of load across all the available WAN links. The solution supports per packet and per session load sharing	Only through a true SD-WAN the business can make the maximum utilization of the WAN links for business-critical applications and reduce the need for more bandwidth by distributing application traffic across all the identical / different types of links simultaneously. It will also support auto link failover if the links need to be configured in active standby mode.
4	Business Flexibility	LTE primary and LTE aggregation feature enables the business to start branches even in the remote areas where the wired connection for last mile connectivity is not feasible	Business will have less dependency on ISP and MPLS and their business could be driven by strategy and not by third-party dependencies. IT will be able to provide much needed business flexibility where any available WAN transport can be used for business expansion.

5	Application performance enhancement over WAN	Application aware routing feature identifies all the applications and prioritize business-critical applications for special treatment over the WAN to maintain a high level of SLA	Business does not have to unnecessarily increase the WAN cost to ensure Quality of Experience for their users and customers. QoS can be set for business-critical applications. Split tunneling helps application wise WAN topology manipulation to avoid unnecessary hops and send application requests directly to server location irrespective of where it is hosted.
6	Limited WAN network visibility on device statistics and bandwidth consumption for the applications	Real time streaming telemetry provides all the necessary KPI status and instantaneous alerts on any anomalies	This would help the business in reducing business downtime through the proactive intervention of the IT team. It would also give real time analytics on the bandwidth utilization per application.
7	Centralized control	An intuitive dashboard provides centralized control and management of hundreds and thousands of devices	Business can think of expansion without worrying about proportionate requirement and increase of the IT skill set in managing a complex network
8	Reduced Management overhead	A central controller brings all the remote SD-WAN router devices spread across to a single location of administrator's choice with all necessary tools like Ping test, tracer, Wireshark, MTR etc. for troubleshooting	The business can equip its IT team with the necessary tools and equipment in improving their efficiency in handling more tickets and challenges in lesser time. This would in turn reduce all related costs like more skilled IT manpower, business downtime etc.
9	Solution customization for addressing niche requirements	Infinxt is an indigenously engineered product where both the hardware appliance and software are made in India by a thoroughly competent and professional team of application developers lead by CTO whose has several patents in his name	Business can be rest assured about the solution capability and feature that could even be tailor-made in case of any unique requirements. They could also be a part of the Aatmanirbhar Bharat vision of the country without compromising on the features or security quotient of Next Generation Secure SD-WAN
10	Integration with third party applications	The REST API support of the solution helps in the integration with any application like NMS, SEIM tool, SMS gateway, Email etc	Business would be able to get a better insight in events of anomalies when various software application shares information with each other.

Cost Saving benefits of SD WAN

Apart from the support for various connection types, including MPLS Network, dedicated links, the internet, and 4G, the ability to share workloads over connections, support for automatic provisioning of premium network services, including VPN and control over application delivery, are just a few of the key characteristics of an SD-WAN solution. Here is how using SDWAN Solution can save the cost of your business too:

1. **Due to the WAN's flexibility**, SD-WAN lowers costs. Your company's operations are made simpler by its central provisioning, management, application visibility, and policy control. By utilising your bandwidth-rich and cost-effective WAN connections to improve network performance, SD-WAN helps you save money on operational costs while building a more stable and resilient network.
2. **Less expensive support** - With an SD-WAN solution, technical support is needed less frequently. The decrease in calls is brought on by the WAN networks' increased capacity for processing, storing, and transmission as determined by software in relation to the amount of data.
3. **Maximum use of all connections** to the network - The SD-WAN solution allows for automatic workload balancing and management of WAN network congestion for the best performance and the cheapest routing.
4. **Use of more reasonably priced broadband links** - The SD-WAN system also monitors WAN link performance in real time and promptly corrects any network flaws that may arise.
5. **Return on Investment** - The SD-WAN solution is affordable since it lowers telecom expenses while improving the dependability of WAN services, the Internet, and mobile connections. The SD-WAN strategy enables you to address a range of issues. In the past, controlling the WAN has been one of the most expensive and rigid parts of running a business network.

Remember the following expense areas that were influenced by the switch to SD-WAN:

- **Cost savings from switching to cheaper IP-based circuits**
- **Savings from circuit resizing**
- **Savings from lower overlay costs for SD-WAN**
- **Savings from a smaller IT service desk**

- **Savings from a reduction in IT management**