



Transform your network infrastructure for improved agility. Introduce End-to-End SDN to your business.

End-to-End Software Defined Networking [SDN] from BCX supports organisational digital transformation and enables business agility through a holistic solution, from campus to cloud, that is fully integrated, easy-to-operate and guaranteed to optimise your business.

WHAT IS SDN?

SDN is an intent based networking solution built for each of your network domains: LAN, WAN and data centre. It effortlessly enables the intelligent exchange of operational information, allowing the expression of IT and business intent in each domain, and then allowing you to exchange, enforce, and monitor it across all of them. It is designed to make your network more flexible and easier to manage. To put it simply, it offers businesses a seamless, fully integrated experience across networking domains, resulting in business agility, efficiency and improved security.

WHY DOES YOUR BUSINESS NEED END-TO-END SDN FROM BCX?

In a world of constant flux, your business needs to be able to adapt to and stay ahead of change. Globalisation, digital transformation, business automation, increasing security threats, and the new world of work all require new networking architectures that improve business agility, efficiency and security.

How End-to-End SDN enables businesses		
<p>Secure Your Business</p> <p>Relies on user identity as a security perimeter. Detect threats in one domain, and remediate throughout the network.</p>	<p>Enhance the App Experience</p> <p>Optimise application delivery, from the data centre to the cloud to campuses and branches.</p>	<p>Transform your infrastructure</p> <p>Software-defined everything, applying intent-based networking consistently throughout the business.</p>

WHAT DOES END-TO-END SDN OFFER?

End-to-End SDN is a fully and seamlessly integrated system that brings everything together, making your technology work better and harder, and enabling your network to deliver. **It offers:**

MANAGED LAN						
Managed Lan optimises users and devices by improving operational effectiveness, enhancing the workforce experience, and increasing security and compliance. While traditional networking focuses on per-device management, Managed Lan is controller-based networking that drives business intent into the orchestration and operation of network elements.						
Reduce Operating Expenditure: Minimise the time and expense on operational tasks.	Improve Compliance: Simplify auditing and compliance regulations	Optimise User Experience: Optimise the network to get the most out of the infrastructure.	Consistent management of wired and wireless network provisioning and policy.	Automated network segmentation and group-based policy.	Contextual insights for fast issue resolution and capacity planning.	Open and programmable interfaces for integration with third-party solutions.
ACI						
ACI [Application Centric Infrastructure] automates resources and workloads for data and applications, and prevents data breaches. It enhances business agility, reduces total cost of ownership, automates IT tasks, and accelerates data centre application deployments.						
Automation and consistency: Achieve resource elasticity with automation through common policies for data centre operations.	Multicloud acceleration: Benefit from consistent policy management across multiple on-premises and cloud instances for security, governance, and compliance.	Network protection: with business continuity, disaster recovery, and highly secure networking.	Assurance and insights: Enjoy the benefits of a proactive model and automate troubleshooting, root-cause analysis, and remediation.			
SD-WAN						
SD-WAN [Software-defined Wide Area Network] harnesses multicloud connectivity, allowing enterprises to leverage any combination of services to securely connect users to applications. Using a centralised control function, it directs traffic securely and intelligently – enabling more secure, consistent and cost-effective enterprise connections.						
Cloud Access: Optimised and seamless connectivity for public cloud and SaaS, and up to 4x improvement in SaaS response times.	Reduced cost: Up to 50% drop in WAN costs and change control from six months to two days.	Enhanced Application experience: Predictable application SLA and reduced application outages due to networking.	Security: Isolation for critical enterprise assets, guest wireless, business partners and robust security for hybrid networks.			

END-TO-END SDN FEATURES

- **Single overlay that extends to data centre, cloud and branch** – giving seamless connectivity to public cloud.
- **Dynamic optimisation** – resulting in improved SaaS response times.
- **Mix MPLS with low cost broadband/LTE** - resulting in reduced costs.
- **Centralised management and app visibility** – reducing response time and hassle.
- **Active-active hybrid links** – helping you better manage your network traffic load.
- **Application aware policies with real-time enforcement** – meaning reduced application outages due to networking.
- **WAN segmentation with granular policies** – ensure isolation for critical enterprise assets, guest wireless, business partners.
- **Authorization + encryption + cloud security** resulting in robust security for hybrid networks.

WHY CHOOSE BCX?

- BCX has more than 20 years' experience and services clients in multiple industry sectors.
- BCX understands the business behind the technology and has a proven track record of providing End-to-End SDN solutions, including hardware supply, implementation, integration, and consultancy services.
- We offer 24x7 support to ensure high availability on these solutions.
- BCX's geographic reach and total bandwidth capacity ensures optimum levels of interoperability, performance and reliability.
- BCX's highly skilled technical workforce design, build, manage and maintain a network that works for you.
- BCX has the backing of 200 Cisco-certified specialists and 600 telecoms engineers and technicians.
- We put the needs of your business above all else. We partner with you on your journey to Digital Transformation, so that you can effectively and efficiently solve your customers' problems, today and in the future.

AVAILABILITY

BCX End-to-End SDN solution is available nationwide. For more information and specific pricing details, contact your Account Manager or send an email to **ConCom@bcx.co.za**.