



Network infrastructure is crucial for modern IT organizations as they strive to deliver superior business value by helping their organizations increase productivity, deliver services faster and remain flexible. In addition, the use of modern applications and workloads like virtualization, cloud, IoT and AI are pushing the boundaries of existing data centers so more traffic moves from the edge of the network into the clouds. To support these demands, IT organizations need a modern network infrastructure that can support these demands.

SONiC stands for **Software for Open Networking in the Cloud**. It is an open-source, Linux-based network operating system (NOS) that runs on switches from multiple vendors.

It implements standard Layer 2 and Layer 3 protocols, and provides developers with a straightforward way to add new features. SONiC offers a full-suite of network functionality, like BGP and RDMA, that has been production-hardened in the data centers of some of the largest cloud-service providers.

SONiC offers the flexibility to create data center networking solutions, while using the collective strength of a large ecosystem with an active developer community. SONiC is designed for scalability and is in production today in large data center fabrics.

Enterprise SONiC Distribution by Broadcom is commercially supported and ruggedized or hardened version of open source SONiC to provide global support, advanced scalability, manageability and other enterprise-ready features for enterprise, cloud-level large-scale data center network environments that require scalability, global support and manageability.

We are prepared to provide the support to any service provider or data center operator interested in leveraging a Commercial SONiC Distribution.

Enterprise SONiC Distribution is validated with a variety of optics and cables delivered from industry sources. This ensures that the overall system – switch hardware, firmware, NOS, and connectivity, from drivers to applications, are proven to work together, removing concern about platform level interoperability.

Why SONiC? Main use-cases

- [Data Center L3 CLOS](#)
- [Data Center Interconnect \(DCI\)](#)
- [Campus](#)

Main Goals of SONiC

- Allows network operators to use best-of-breed switching hardware for the various tiers of the network
- By using containers it helps deploy new features without impacting end users and rolling out updates securely and reliably across the network in hours instead of weeks
- **SONiC** Enable Software-Defined Networking software to easily control all hardware elements in the network by using a unified structure to eliminate duplication and reduce failures

SONiC Building Block

- **SONiC** is built on the Switch Abstraction Interface (SAI), which defines a standardized API - network hardware vendors can use it to develop innovative hardware platforms while keeping the programming interface to ASIC consistent
- **SONiC** is the first NOS to break monolithic switch software into multiple containerized components, which enables it to be extremely extensible and robust - instead of replacing the entire switch image for a bug fix, you can upgrade the flawed container with the new code or even plug in new components such as third-party software with minimum effort



Overview

SONiC is an open source network operating system based on Linux that runs on merchant silicon based ODM platforms. The open source SONiC project is at <https://github.com/Azure/SONiC/wiki>.

SONiC is in production today at multiple web-scale companies for data center fabric deployments and has a healthy developer community and vendor ecosystem around it. The underlying architecture of SONiC is here: <https://github.com/Azure/SONiC/wiki/Architecture>.

The **Enterprise SONiC distribution** is a commercially supported offering based on open source SONiC with feature enrichment and hardening targeted at Data Center leaf and spine/super-spine use cases. The Enterprise SONiC distribution by Broadcom supports ODM and OEM platforms based on the StrataXGS® family of silicon from Broadcom.

The **Enterprise SONiC distribution** offers benefits such as high performance and simplicity based on industry leading merchant silicon and standards based IP CLOS architecture. It also provides agility based on a flexible management framework with programmatic APIs and an extensible, container-based architecture. Finally, an open source foundation and standardized ecosystem provide strong economic benefits for a data center fabric solution.

Starting with release 4.0.0, **Enterprise SONiC** can also be used for **campus use cases** where customers have a two-layer fabric (access and aggregation) and edge devices such as POS terminals, Thin Clients, Security Cameras, can be attached to the access layer, and the aggregation layer can connect to existing Data Center deployment already running Enterprise SONiC.

Newly Introduced and Qualified Software Features

The software features in the following list have been introduced and qualified in Enterprise SONiC distribution by Broadcom, version 4.2.0:

- **Support PAC clients on L3 (Routing) VLAN**
- **Scaling of DHCP snooping entries**
- **LDAP enhancements:**
 - » Provide configuration option for `nss_getgrent_skipmembers`. This option specifies whether or not to populate the members list in the group structure for group lookups.
 - » Map LDAP groups to SONiC (RBAC) roles

Packages

The Enterprise SONiC distribution by Broadcom, version 4.2.0 packages are as follows:

- **Cloud Base Package**
 - » This includes features/functionality (for example, eBGP, ZTP, programmatic API, QoS, ACL, and security features such as TACACS+) required for DC fabric underlay leaf, spine, super-spine use cases
 - » Base telemetry features: Thresholds and Snapshots (BST)
- **Cloud Advanced Package**
 - » This includes all features in Cloud_Base
 - » Inband Flow Analyzer (IFA, version 2.0), Tail Stamping and Drop Monitor
 - » Linux PTP (KNETSync)
- **Enterprise Base Package**
 - » This includes underlay features (for example, eBGP, ZTP, programmatic API, QoS, ACL, and so on) required for DC fabric underlay
 - » Overlay features (BGP EVPN, VXLAN, and so on) for DC fabric overlay use cases (for PINs leaf, spine, super-spine)
 - » Enterprise Features (such as RPVST+, IP Multicast, and so on)
 - » Base telemetry features: Thresholds and Snapshots (BST)
- **Enterprise Advanced Package**
 - » This includes all features in Enterprise_Base
 - » Inband Flow Analyzer (IFA, version 2.0), Tail Stamping and Drop Monitor
 - » Linux PTP (KNETSync)
 - » Broadcom Debug Tool
- **Campus Package**
 - » This includes the following features in addition to L2/L3 features:
 - » POE, POE+ and POE-bt
 - » Features related to Port Access Control (IEEE 802.1X, MAB, dynamic ACLs, RADIUS-assigned VLANs, RADIUS support)
 - » LLDP-MED
 - » Port Security
 - » Digital Optical Monitoring and Time Domain Reflectometry
 - » EVPN VXLAN
 - » Campus package is supported on campus-specific platforms only

Our Services

Our top-rated services help your business get ahead of the IT evolution and stay competitive.



Switch Services

The Switch Services are designed to help you understand the technology of a Bare Metal Switch Platform and how it can be leveraged together with different available Network Operating Systems (NOS). It also helps with designing a topology, configuring the systems to bring everything into an operational state and running tests to ensure the requirements, performance and service are met.



#Open2Support

We can offer the hardware and software support. We have many years of experience helping customers deploy and run their Open Networking Environments across the many different industries.



Academia & Research Program

We initiated the Academia & Research Program to boost the development of Open Networking technologies as we strongly believe that the research done by students and their mentors is a key driver to accelerate new ideas and leverage the full potential of network programmability and open technologies. By joining the Academia & Research Program, universities benefit from many advantages aside from discounted products.



Education

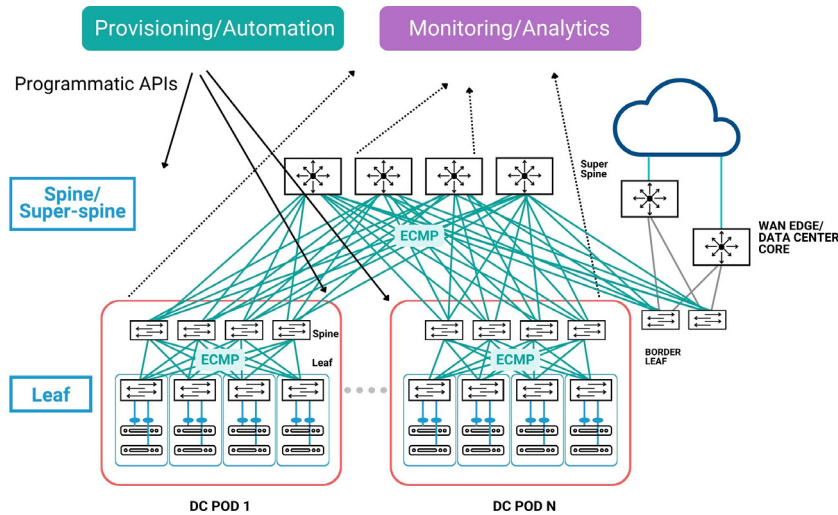
Route2open Academy is the leading global Authorized Training Centre for the world's biggest and brightest open technology vendors. We help people within businesses to grow their technical skills and knowledge to enable them to make a real difference to their company and build a successful future. You can find SONiC course here: route2open.com

Customer Use Cases

Data Center L3 CLOS (underlay) use case

The Enterprise SONiC distribution by Broadcom Cloud editions are targeted for Data Center Fabric deployments (Public, Private, and Edge compute). The Enterprise SONiC distribution by Broadcom can be deployed at various Places-In-Network (PIN) - ToR, Leaf, Spine, Super spine, Border Leaf PINs.

The Enterprise SONiC distribution by Broadcom-based data center fabrics can be deployed in an underlay use case for webscale data center architectures, or for data center PODs in Enterprises or Service Providers for select workloads such as Hadoop which require an underlay network. The Enterprise SONiC distribution by Broadcom can also be used in Enterprises and Service Providers as an underlay data center fabric for VMware based PODs deploying VMware ESX, NSX, vSAN and other VMware solutions.

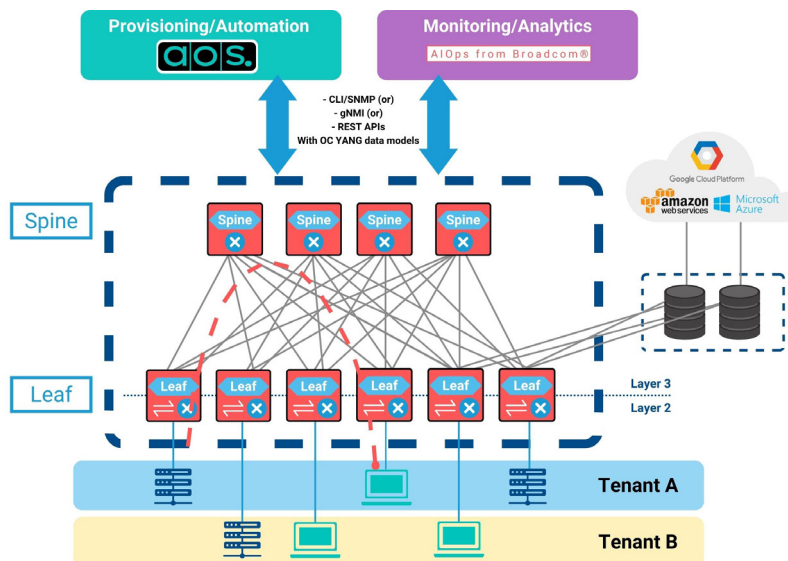


Data Center L3 CLOS Overlay Use case (with VXLAN and BGP-EVPN) and DCI

The Enterprise SONiC distribution by Broadcom can also be deployed in Enterprises or Service Providers for select workloads such as Hadoop, which require an overlay in order to support multi-tenancy.

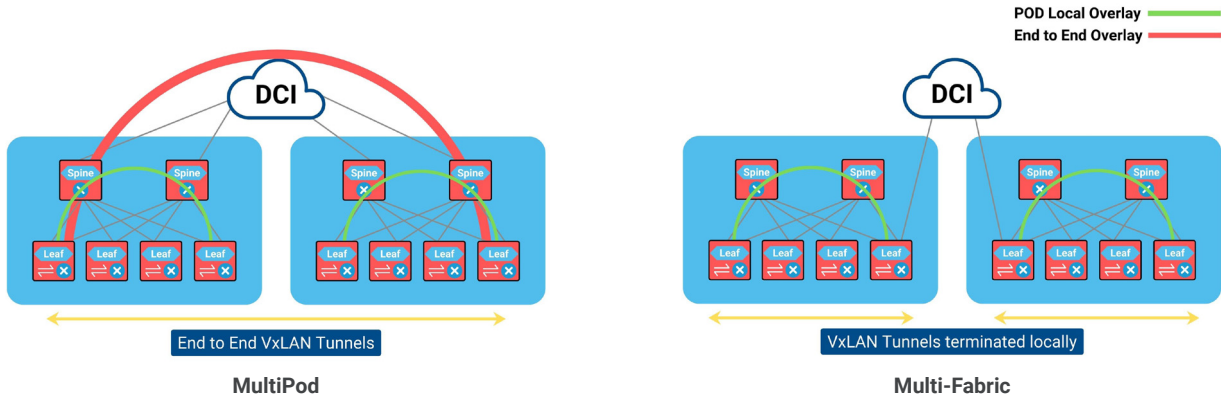
Using an overlay architecture in the data center allows end users (network admins) to place endpoints (servers or virtual machines) anywhere in the network and remain connected to the same logical Layer 2 (or Layer 3) network, enabling the virtual topology to be decoupled from the physical topology. This decoupling allows the data center network to be programmatically provisioned at a per-tenant level.

Overlay networking generally supports both Layer 2 and Layer 3 transport between servers or VMs. It also supports a much larger scale. SONiC overlay networks use a control-plane protocol (BGP-EVPN) to facilitate learning and sharing of endpoint information, and use VXLAN tunneling protocol to create the data plane for the overlay layer.

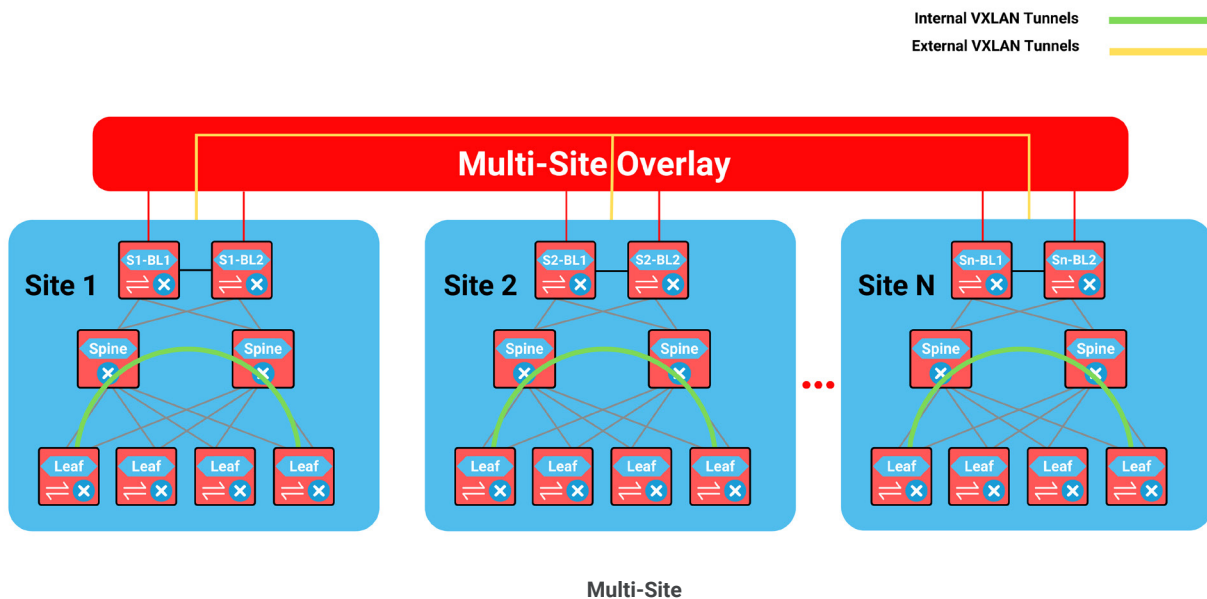


Use Case: Data Center Interconnect (DCI)

- SONiC provides options to cater for two distinct Enterprise DCI usecases



- Allows VXLAN tunnels stretched across multiple PODs within same or different geographic locations
- Provides flexible workload mobility across any pod
- VXLAN EVPN control plane is stretched across PODs
- Allows sharing of L4/L7 services across PODs
- Recommended for Active/Active Data Center usecase
- VxLAN tunnels are terminated locally in each pod
- Each POD is a distinct Availability Zone, providing failure domain isolation
- Each pod runs a distinct IGP and BGP-EVPN instance
- Optionally, L2 domain can be extended across PODs
- Recommended for Active/Backup Data Center usecase

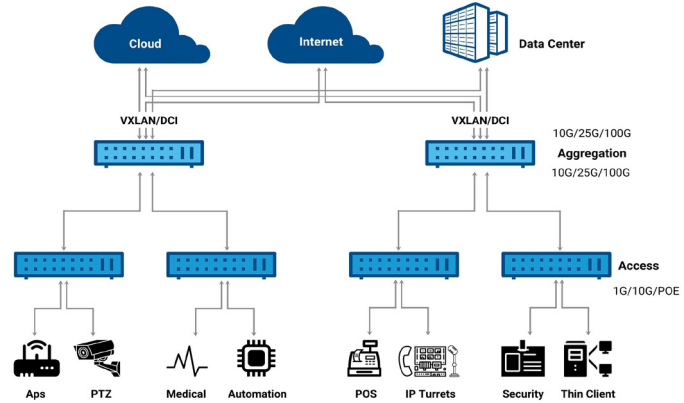


- Multi-site provides a scalable and controlled way of stretching L2/L3 services across DCI, while maintaining failure domain isolation between sites
- Each site remains a distinct Availability Zone, without data plane normalization to Ethernet (End-to-End VXLAN)
- Complete control plane isolation ensures there is no "Fate-sharing" between sites
- Multi-site architecture facilitates Hierarchical Overlay domains with seamless integration
- This hierarchy removes the need of full mesh of end-to-end tunnels across all Leaf switches, resulting in highly scalable deployments

Campus Use case with Access/Aggregation layers that can be connected to existing DCs

Enterprise SONiC can serve as the unified Network Operating System (NOS) that you use to connect edge devices (Campus devices such as POS, thin Clients, Security Cameras, etc as shown in diagram below) and a data center. The Campus bundle extends a DC fabric to remote locations using the same DC NOS. Additionally the Campus package caters to the traditional 3 Tier architecture of Access-Aggregation-Core.

- A two-layer fabric is implemented in which there is an aggregation and an access layer. Customers can use VXLANs to stretch the fabric
- The CLOS network Leaf/Spine architecture allows for future scaling. Each leaf-layer access switch is connected to each spine-layer aggregation switch in a full-mesh topology
- In the aggregation layer, VXLAN EVPN supports multi-tenancy and multi-site data center interconnection (DCI)
- Customers can leverage the automation and management tools in the data center to configure and maintain edge switches



Supported Platforms

PIN	Platform Name	Port Configuration	Vendor	Broadcom Silicon
Management Switch	BES2348T	48x1G RJ45 + 4x25G SFP28	Alpha Networks	BCM56274 (TD3-X2)
Management Switch	SCG60D0-484T	48x1G RJ45 + 4x25G SFP28	Alpha Networks	BCM56274 (TD3-X2)
Management Switch	Belgite (E1070)	48x1G RJ45 + 8x10G SFP+	Celestica	BCM56277 (TD3-X2)
Management Switch	Wistron	48x1G RJ45 + 4x25G SFP28	Wistron	BCM56275 (TD3-X2)
Management Switch	AS4625-54T	48x1G RJ45 + 6x10G SFP+	Edgecore Networks	BCM56277 (TD3-X2)
Management Switch Campus Switch	AS4630-54TE	48x1G RJ45 + 4x25G SFP28, 2x100G QSFP28	Edgecore Networks	BCM56371 (TD3-X3)
Management Switch Campus Switch	AS4630-54PE	48x1G RJ45 PoE + 4x25G, 2x100G QSFP28	Edgecore Networks	BCM56371 (TD3-X3)
Leaf	Questone_2A	48x25G SFP28 + 8x100G QSFP28	Celestica	BCM56771 (TD3-X5)
Spine	Silverstone	32x400G QSFP-DD	Celestica	BCM56980 (TH3)
Management Switch Campus Switch	AS4630-54NPE	36x1G/2.5G RJ45 PoE + 12x2.5G/5G/10G RJ45 PoE + 4x25G SFP28, 2x100G QSFP28	Edgecore Networks	BCM56370 (TD3-X3)
Leaf	AS7326-56X	48x25G SFP28 + 8x100G QSFP28	Edgecore Networks	BCM56873 (TD3-X7 2.0T)
Leaf	AS7726-32X	32x100G QSFP28	Edgecore Networks	BCM56870 (TD3-X7 3.2T)
Leaf	IX8	48x25G SFP28 + 8x100G QSFP28	Quanta	BCM56873 (TD3-X7 2.0T)
Leaf	IX8-BWDE	48x25G SFP28 + 8x100G QSFP28	Quanta	BCM56873 (TD3-X7 2.0T)
Leaf	IX7	32x100G QSFP28	Quanta	BCM56870 (TD3-X7 3.2T)
Leaf	IX7-BWDE	32x100G QSFP28	Quanta	BCM56870 (TD3-X7 3.2T)
Leaf	IX8A-BWDE	48x25G SFP28 + 8x100G QSFP28	Quanta	BCM (TD3-X5)
Leaf	SLX9150-48Y	48x25G SFP28 + 8x100G QSFP28	Extreme Networks	BCM56873 (TD3-X7 2.0T)
Leaf	SLX9250-32C	32x100G QSFP28	Extreme Networks	BCM56870 (TD3-X7 3.2T)
Leaf	Seastone2	32x100G QSFP28	Celestica	BCM56870 (TD3-X7 3.2T)
Leaf/TOR	SNJ61D0-320F	32x400G QSFP-DD	Alpha Networks	BCM56881 (TD4-X11)
Leaf/Spine	AS9726-32D	32x400G QSFP56-DD	Edgecore Networks	BCM56880 (TD4-X11)
Spine/TOR	AS5835-54X	48x10G SFP+ + 6x100G QSFP28	Edgecore Networks	BCM (TD3-X5)
Spine/TOR	AS5835-54T	48x10G Base-T RJ45 + 6x100G QSFP28	Edgecore Networks	BCM (TD3-X5)
Spine	AS7712-32X	32x100G QSFP28	Edgecore Networks	BCM56960 (TH)
Spine	AS9736-64D	64x400G QSFP56-DD	Edgecore Networks	BCM56990 (TH4)
Spine/Superspine	AS7816-64X	64x100G QSFP28	Edgecore Networks	BCM56970 (TH2)
Spine/Superspine	AS9716-32D	32x400G QSFP-DD	Edgecore Networks	BCM56980 (TH3)
Spine/Superspine	IX9	32x400G QSFP-DD	Quanta	BCM56980 (TH3)
Spine/Superspine	IX4	64x100G QSFP28	Quanta	BCM56970 (TH2)

Full List of Features

System and Platform Infrastructure Features

- Dynamic Port Breakout
- DOM Information Display
- System Locator LED Support (Beacon)
- CMIS 4.0 Optics Support
- Hardware Watchdog
- 1G/10G BASE-T copper BASE-T Support (On select platforms)
- 100 Mbps and 10 Mbps Support on N3248-TE, E3248- Platforms
- CoPP (Control Plane Policing)
- Transceiver Parameter Tuning
- Third-Party Container Management
- PDDF and PDK Framework
- Interface Aliasing (IS-Standard and IS-Standard-Extended Interface Naming)
- Kdump Support
- Maintenance Mode
 - LACP Graceful Shut
 - BGP Graceful Shut
 - OSPFv2 Maximum Metrics
- Multi-Instance Redis DB
- Hardware Resource Allocation and Reservation
- Zero Touch Provisioning (ZTP)
- Auto Negotiation and Link Training
- Link Statistics Enhancements
- Link-Down Reason Codes
- Link Flap Error-Disable
- Forwarding Plane Drop Counters
- Time Zone Command Support
- 2 x 50G Speed Support
- Broadcom Debug Tool
- Memory Histogram
- System Ready for Services and Applications
- Secure Boot Process and Reference Implementation
- Syslog High Threshold notifications and clear for CPU/ Temperature
- Per Platform CoPP
- Interface Beacon LED
- ZTP Provisioning using a USB Drive
- Flexible DPB
- Support Option to Bind the Third Party Container to the Management VRF
- Limiting CPU/Memory/Disk Usage for Third Party Containers
- Patching Support in SONiC (Patch Host/Containers)
- Option to Send Audit Log Messages to Syslog Server
- Ability to Filter Logs based on Facility and Severity
- I2C Error Statistics for Accton AS7326 and AS7816 Platforms
- Half Duplex Support for TD3-X5 - N3248/E3248 Platforms
- Media AutoFEC for FEC Type automation
- System alarm support for AS4630-54PE and AS4630-54NPE
- Application bring up for events and alarms

L2 Features:

- VLAN Auto-state
- Interface Hold-Down
- LACP Graceful Shutdown
- Uplink Tracking
- L2 MC-LAG
- L2 VXLAN
- L2 LVTEP
- LACP Fast Rate and LACP Fallback
- Static LAG
- LLDP
- UDLD
- MC-LAG Fallback
- MC-LAG Graceful Shutdown
- xSTP over MC-LAG
- PVST and RPVST+
- PVST and RPVST+ over MC-LAG
- DHCP snooping
- VLAN stacking (QinQ) on TD3 and TD4 platforms
- Port Channel Min-Links configuration enhancement
- Enhancement in showing the MSTP configuration to display the default region name
- Enhancement to configuring the MST region name as an empty string to interoperate with OS10/Arista/Cisco
- VLAN stacking (QinQ) enhancements on TD3 platform

Scalability improvements:

- L3 VLAN Scale to 4K (for TD3-X7 based Platforms)
- Host Table Resource Reservation for Local Hosts

Multicast Features / Enhancements:

- L3 Multicast with PIM operates on L3 interfaces only
- IGMP
- IGMP Snooping (v1, v2, v3) (with MLAG)
- IPv4 PIM-SSM Support

L3 features:

- DHCP Relay Enhancements
 - DHCP Relay over VXLAN Overlay Interfaces
 - DHCP Relay Source Interface Selection (e.g. loopback)
 - DHCP Relay over IPv6 Link-Local Interfaces with RFC5549 Routes
 - DHCP Relay Hop Count Configuration
 - DHCP Relay Over IPv4 Unnumbered Interfaces
 - DHCP Relay Option 82, Sub Option 151 VRF Name/ ID Option
 - DHCP Relay Option 82, Sub Option 5 Link-Selection Option RFC3527
 - Support for Circuit-Id Formats
 - DHCP Relay Circuit-Id Option
 - DHCP Relay and DHCP snooping support on the same VLAN
- Support for 4K L3 VLAN Interfaces
- Dynamic BGP Neighbor
- IP Fabric over IPv6 underlay RFC5549
- IP Helper
- L3 MC-LAG
- L3 VXLAN
- L3 LVTEP
- Routing Subinterface (on TD3-X5, TD3-X7, TD4-X11 platforms)
- Advertise PIP for both ACT-ACT and ACT-STBY on the Same Leaf Pair
- Route Leaking across VRFs including Management VRF
- BGP Docker Warm Restart
- Avoid Netlink for Handling IPv6 Link-Local Address
- BFD Optimizations to Support 5x100msec Aggressive Timers in SW
- IP SLA (ICMP and TCP tracker)
- IPv4 Unnumbered Interfaces
- RPVST+ over MC-LAG
- RPVST+ Scaling to 3500 VLAN Ports
- Symmetric Hashing
- VXLAN over SVI Interface
- BGP for EVPN (with MLAG)
- BFD IS-CLIs
- BFD with VRF
- VRF support for syslog
- VRF support for SSH.in
- VRRPv3, VRRP/VRRPv3 over VRF
- Management VRF Hardening
- NAT
- OSPFv2
- Multi Site Data Center Interconnect (DCI)
- RIB/FIB Consistency Checker
- Next Hop Group (NHG) Support
- RIF Counters for L3 Interfaces
- BFD Profile
- 4K L3 VLAN Interface Scale for SAG and Unique-IP Cases
- Nexthop resolution using default route
- MC-LAG Peer Gateway
- 1 Million Route Scale
- Route Updates Performance Improvements
- Drop Neighbor Entry to Protect CPU from Unknown IP Packets Hitting the CPU
- CPU Offload for Neighbor Suppression
- CPU Offload for Slowpath ARP Flooding
- OSFPv2 GR
- Router Advertisement KLISH/REST/gNMI Support
 - CLI Commands for RA Retransmission Interval, RADV Disable
 - RFE-8106
- Standards-based EVPN multihoming support on TD3-X3, TD3-X5, TD3-X7, TD4-X9, and TD4-X11 platforms
- Management VRF for MLAG

ACL and Flow-Based Services:

- PBR Enhancements for Service Chaining
- ACL-based CoPP
- ACL DSCP Map/Remarking
- ACL Rate Limiting
- Control Plane ACL
- Policy-based Routing (IPv4 and IPv6)
- ACL-based Packet Replication
- ACL Consistency Checker

Debuggability / Serviceability features

- In-memory Debug Logging
- Audit Logging and Syslogs
- Command to Return Interfaces to the Default Configuration
- Port Mirroring on Port Channel and VLAN

Security Features:

- RADIUS and TACACS
- RADIUS/TACACS Password Obfuscation
- NTP Server and NTP Authentication
- NTP Prefer Option
- LDAP Integration
- AAA Authorization support with TACACS+
- Map LDAP groups to SONiC (RBAC) roles

Manageability Features:

- Industry Standard CLI (IS-CLI)
- REST and gNMI Interfaces via OpenConfig YANG (OC-YANG)
- Role-Based Access Control (RBAC)
- RBAC and HAMd Enhancements
- SNMP Configuration Traps and OIDs
- Configuration Services - Chef for EVPN
- gNMI Subscription Support for Limited YANG Paths (OnChange, Interval, Once, Poll, Target defined)
- Bulking support in both REST(YANG patch) and gNMI
- Query parameter for REST and filtering support for gNMI
- Scalar encoding support for gNMI
- Support to Read Service Tag via SNMP
- SNMP Trap Enablement on Interface Instead of Global
- TEC certification - SNMP set command for sysName
- Wildcard support for OC-YANG interface's Ethernet counters and individual counters
- LDAP multiple role mapping

QoS:

- RoCE V2 Support
- DSCP Marking Preservation for VXLAN
- QoS Map Support for Remarking and SVI
- BUM Storm Control
- Port and Priority Shaping
- RoCEv2 support for TD4-X11 and TH4 platforms
- RoCEv2 with Cut-through mode support for TD3-X7, TD4-X11, TH3 and TH4 platforms
- RoCEv2 UDF-based hashing support for TH4 platform

Telemetry and Instrumentation Features:

- sFlow on Management VRF
- Inband Flow Analyzer (IFA) 2.0
- Drop Monitor
- Tail Stamping
- BST - Watermarks,
- Thresholds, and Snapshots
- Linux PTP (KNETSync)

SONiC readiness for Campus use case:

- Infrastructure level changes have been made extensively to make sure SONiC can run in Campus platforms (with lower memory 8G)
- POE, POE+ and POE-bt
- Port Access Control
 - 802.1X
 - MAC Authentication Bypass (MAB)
 - RADIUS Support
 - Multiple RADIUS Servers
 - RFC 2865 - RADIUS Client
 - RFC 2868 - RADIUS Attributes for Tunnel Protocol Support
 - RFC 3579 - RADIUS Support for EAP
 - Authentication Tiering
 - Downloadable ACLs
 - Dynamic ACL
 - Named ACLs
 - Per-session ACLs
 - Filter-Id
 - Posture Assessment (Redirect ACL/URL, COA Using DAS)
 - Guest VLAN
 - Unauth VLAN
 - Open VLAN
 - Monitor Mode
 - STP
 - Port Default to Access VLAN
 - Aruba Clearpass, Cisco ISE, FreeRadius Interoperability
- MSTP
- Port MAC Security
- LLDP-MED
- Digital Optical Monitoring (DOM)
- Time Domain Reflectometry (TDR)
- EVPN VLAN
- Warmboot
 - Linux Kernel upgrade to 5.10.162

Open2Support Enterprise SONiC Distribution by Broadcom

Part Number	Support Description
Open2Support SONiC Distribution by Broadcom Cloud Base Package	
1G	
S-SONIC-CB-1G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 1G Platform, 1 Year Subscription
S-SONIC-CB-1G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 1G Platform, 3 Years Subscription
S-SONIC-CB-1G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 1G Platform, 5 Years Subscription
10G	
S-SONIC-CB-10G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 10G Platform, 1 Year Subscription
S-SONIC-CB-10G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 10G Platform, 3 Years Subscription
S-SONIC-CB-10G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 10G Platform, 5 Years Subscription
25G/50G/100G	
S-SONIC-CB-100G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 25G/50G/100G Platform, 1 Year Subscription
S-SONIC-CB-100G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 25G/50G/100G Platform, 3 Years Subscription
S-SONIC-CB-100G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 25G/50G/100G Platform, 5 Years Subscription
400G	
S-SONIC-CB-400G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 400G Platform, 1 Year Subscription
S-SONIC-CB-400G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 400G Platform, 3 Years Subscription
S-SONIC-CB-400G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Base, 400G Platform, 5 Years Subscription
Open2Support SONiC Distribution by Broadcom Cloud Advanced Package	
1G	
S-SONIC-CA-1G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 1G Platform, 1 Year Subscription
S-SONIC-CA-1G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 1G Platform, 3 Years Subscription
S-SONIC-CA-1G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 1G Platform, 5 Years Subscription
10G	
S-SONIC-CA-10G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 10G Platform, 1 Year Subscription
S-SONIC-CA-10G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 10G Platform, 3 Years Subscription
S-SONIC-CA-10G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 10G Platform, 5 Years Subscription
25G/50G/100G	
S-SONIC-CA-100G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 25G/50G/100G Platform, 1 Year Subscription
S-SONIC-CA-100G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 25G/50G/100G Platform, 3 Years Subscription
S-SONIC-CA-100G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 25G/50G/100G Platform, 5 Years Subscription
400G	
S-SONIC-CA-400G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 400G Platform, 1 Year Subscription
S-SONIC-CA-400G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 400G Platform, 3 Years Subscription
S-SONIC-CA-400G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Cloud Advanced, 400G Platform, 5 Years Subscription

Open2Support Enterprise SONiC Distribution by Broadcom

Part Number	Support Description
Open2Support SONiC Distribution by Broadcom Enterprise Base Package	
1G	
S-SONIC-EB-1G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 1G Platform, 1 Year Subscription
S-SONIC-EB-1G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 1G Platform, 3 Years Subscription
S-SONIC-EB-1G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 1G Platform, 5 Years Subscription
10G	
S-SONIC-EB-10G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 10G Platform, 1 Year Subscription
S-SONIC-EB-10G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 10G Platform, 3 Years Subscription
S-SONIC-EB-10G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 10G Platform, 5 Years Subscription
25G/50G/100G	
S-SONIC-EB-100G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 25G/50G/100G Platform, 1 Year Subscription
S-SONIC-EB-100G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 25G/50G/100G Platform, 3 Years Subscription
S-SONIC-EB-100G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 25G/50G/100G Platform, 5 Years Subscription
400G	
S-SONIC-EB-400G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 400G Platform, 1 Year Subscription
S-SONIC-EB-400G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 400G Platform, 3 Years Subscription
S-SONIC-EB-400G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Base, 400G Platform, 5 Years Subscription
Open2Support SONiC Distribution by Broadcom Enterprise Advanced Package	
1G	
S-SONIC-EA-1G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 1G Platform, 1 Year Subscription
S-SONIC-EA-1G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 1G Platform, 3 Years Subscription
S-SONIC-EA-1G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 1G Platform, 5 Years Subscription
10G	
S-SONIC-EA-10G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 10G Platform, 1 Year Subscription
S-SONIC-EA-10G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 10G Platform, 3 Years Subscription
S-SONIC-EA-10G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 10G Platform, 5 Years Subscription
25G/50G/100G	
S-SONIC-EA-100G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 25G/50G/100G Platform, 1 Year Subscription
S-SONIC-EA-100G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 25G/50G/100G Platform, 3 Years Subscription
S-SONIC-EA-100G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 25G/50G/100G Platform, 5 Years Subscription
400G	
S-SONIC-EA-400G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 400G Platform, 1 Year Subscription
S-SONIC-EA-400G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 400G Platform, 3 Years Subscription
S-SONIC-EA-400G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Enterprise Advanced, 400G Platform, 5 Years Subscription
Open2Support SONiC Distribution by Broadcom Campus Base Package	
1G	
S-SONIC-CAMB-1G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Campus Base, 1G/Multi-Gig Platform, 1 Year Subscription
S-SONIC-CAMB-1G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Campus Base, 1G/Multi-Gig Platform, 3 Years Subscription
S-SONIC-CAMB-1G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Campus Base, 1G/Multi-Gig Platform, 5 Years Subscription
Multi-Gig/10G	
S-SONIC-CAMB-10G-1	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Campus Base, 10G Platform, 1 Year Subscription
S-SONIC-CAMB-10G-3	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Campus Base, 10G Platform, 3 Years Subscription
S-SONIC-CAMB-10G-5	Open2Support Advanced, Enterprise SONiC Distribution by Broadcom, Campus Base, 10G Platform, 5 Years Subscription