



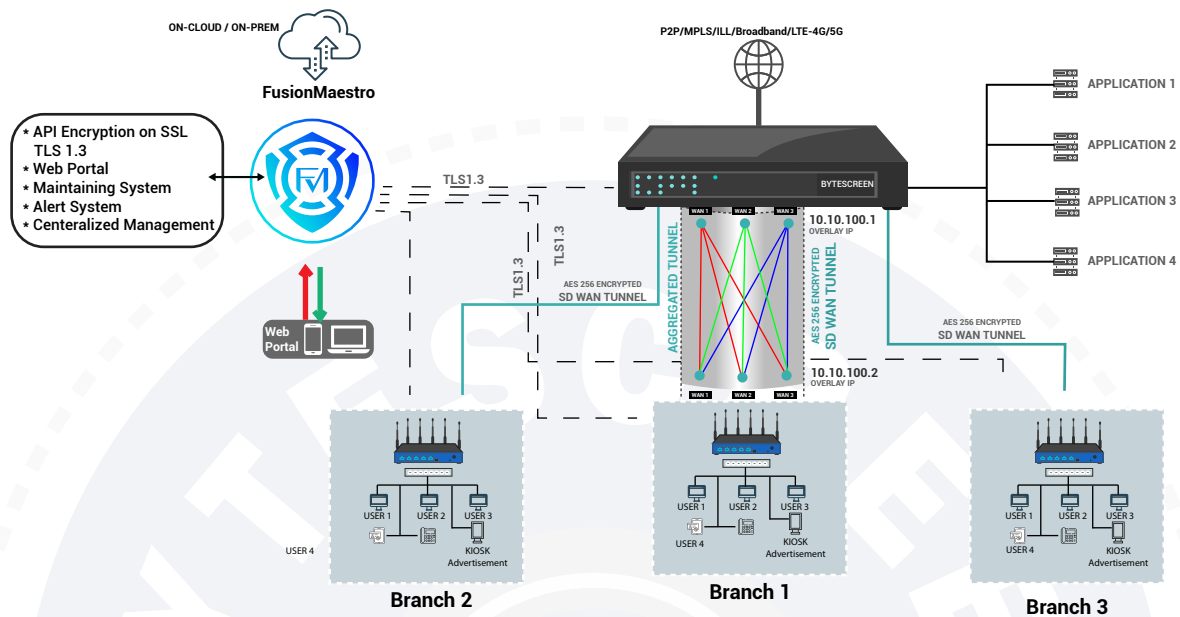
BYTESCREEN

CONNECT • DETECT • PROTECT

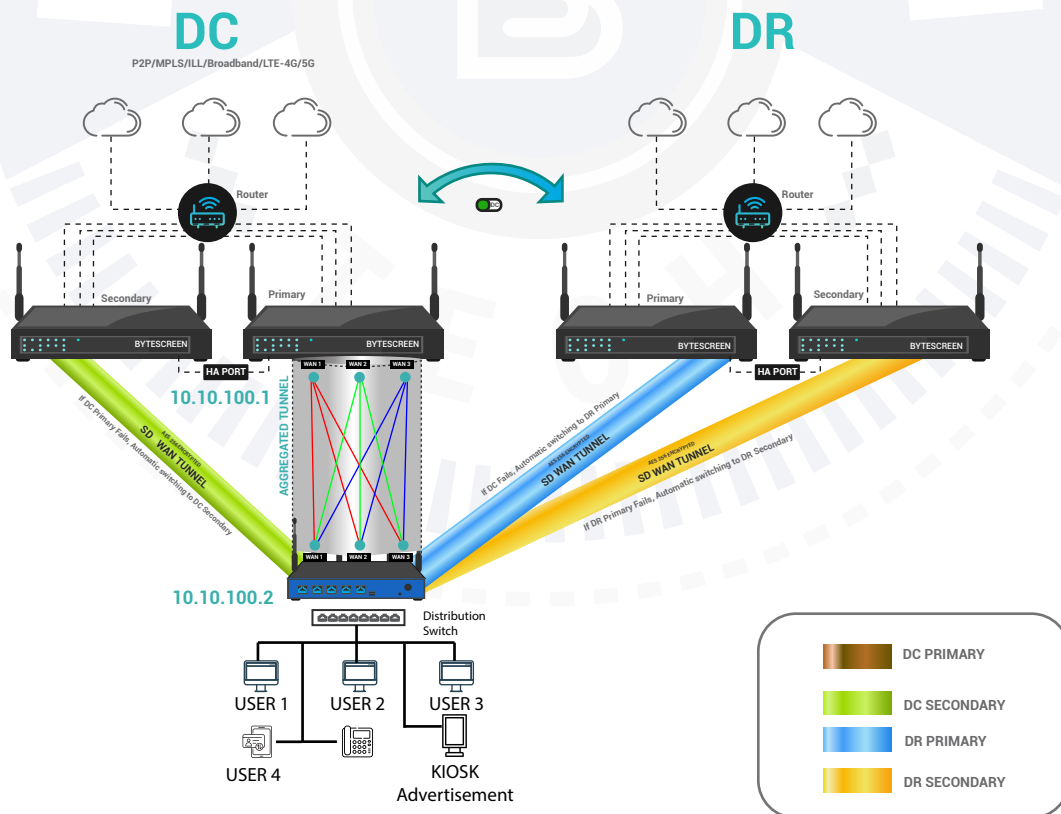
BT-WAN Brochure



BT - WAN Architecture



PMTA (Packet-wise Multisession Tunnel Aggregation) is a technique employed in our SD-WAN solution to establish SINGLE TUNNEL STATIC ROUTE between the Concentrator (hub) and CPE (spoke) by aggregating multiple sessions between multiple WAN links.



A disaster recovery (DR) site is a facility that a company may employ to recover and restore its technological infrastructure and operations if its primary data center fails. BYTESCREEN Tech Fusion Connect can be configured and deployed with DC / DR setup. Here is the typical architecture diagram for the same.

Key Features of BT-WAN



True WAN Link Aggregation

Maximizes efficiency for improved performance.



PMTA

Ensures reliable & uninterrupted network operations.



Stateful Firewall

firewall keeps track of the connection state



Zero Touch Provision

Securely, Accurately, & Without lifting a finger



User-Friendly Policy Management

Easily manage security policies with an intuitive interface.



MPLS Over 4G/5G Supported

SIM support connects to 4G/5G network

Benefit's of BT-WAN



Proactive Issue Resolution

Enhanced visibility into network performance for proactive issue resolution.



Downtime Minimization

Minimize downtime & ensure a consistent user experience



Reduced Hardware Dependency

Simplify network management & reduce hardware dependency.



Scalable Foundation for Growth

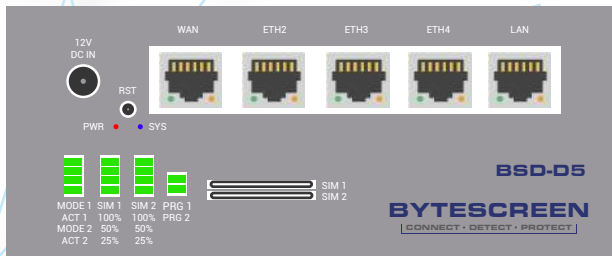
Provide a scalable foundation for future growth.

BT-WAN

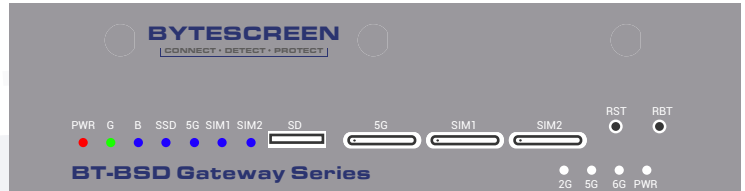
Offers

- Packet-based Multisession Tunnel Aggregation (PMTA) multiple links (L2 and L3)
- AI-enabled Link Selection and Optimization
- Topology: Hub-Spoke / Full Mesh / Partial Mesh
- Zero Touch Provisioning
- Stateful Firewall
- Threat Intelligence & Virunability accessment
- Gatway Anti-Virus
- SNI Based HTTPS domain filter
- Centralized Policy & Security Management (Multi-Branch Architecture)
- Static route with aggregated dynamic multi-path
- Application-aware routing, Traffic Priority and Application rate limit
- WAN / LAN Virtualization
- AES 128/256 bit per session Encryption and Compression supported
- True aggregation resulting in optimum utilization of available WAN links
- MPLS over 4G/5G (Private APN) supported
- Domain Based tunnel
- Packet Redundancy (Packet Duplication)
- Dynamic Time-based Encryption Key Rotation (Key Life Time)
- Tunnel rate limit
- Built-in High Availability (HA): Internet and Hardware DC and DR
- Tunnel Traffic Visibility
- IDAM & NAS (Network Access Server)
- Multi - Authentication (PPPoE/IPoE/MAC/Captive Portal/ Voucher Based)
- Centerilized Graphical Logging and Reports
- Simple and Easy to manage

BSD Series



Edge Device



Gateway Device

1

BSD-B5

5 x 1 G Ethernet Ports, (1x WAN - Fixed, 1 x LAN Fixed, 3 x Ethernet - Flexi Ports)

2

BSD-B5W

5 x 1 G Ethernet Ports, (1x WAN - Fixed, 1 x LAN Fixed, 3 x Ethernet - Flexi Ports), Dual Band WIFI

3

BSD- D5

5 x 1 G Ethernet Ports, (1x WAN - Fixed, 1 x LAN Fixed, 3 x Ethernet - Flexi Ports), 2 x 4G LTE SIM Port

4

BSD- D5W

5 x 1 G Ethernet Ports, (1x WAN - Fixed, 1 x LAN Fixed, 3 x Ethernet - Flexi Ports), 2 x 4G LTE SIM Port, Dual Band WIFI

5

BSD-S5

5 x 1 G Ethernet Ports (1x WAN - Fixed, 1 x LAN Fixed 3 x Ethernet - Flexi Ports), 1 x 4G LTE SIM Port

6

BSD-S5W

5 x 1 G Ethernet Ports, (1x WAN - Fixed, 1 x LAN Fixed, 3 x Ethernet - Flexi Ports), 1 x 4G LTE SIM Port, Dual Band WIFI

7

BSD-D4S2-5G

4 x 1 G Ethernet Ports, 2 x 10G SFP + 2 x 4G LTE, 1 x 5G SIM Port

8

BSD-D4S2W-5G

4 x 1 G Ethernet Ports, 2 x 10G SFP + 2 x 4G LTE, 1 x 5G SIM Port, Wi-Fi 6

9

BSD-B6C

6 x 1 G Ethernet Ports, (1x WAN - Fixed, 1 x LAN Fixed, 4 x Ethernet - Flexi Ports), 1 x 4G/LTE SIM Port/Optional

10

BSD-B8i

8 x 1 G Ethernet Ports, (1x WAN - Fixed, 1 x LAN Fixed, 2 x Ethernet - Flexi Ports) 1x Mini PCI -E, 1x USB 3.0

BT-WAN Technology



ByteGuard
BT-OS



FusionMaestro
MANAGEMENT CONTROLLER



FusionConnect
BT-CONCENTRATOR

Deployment Segment



1. On-Prem

- * Hardware Management
- * Virtual Management



2. Cloud Based Management

- *Public & Private Cloud

Fusion Maestro (A Network Management & Service Controller)

Bytescreen's Fusion Maestro is a centralized orchestrator that simplifies network management. It provides real-time monitoring, analytics, and control for all connected SD-WAN appliances. Key features include:



Key Features:

Unified Dashboard: Manage all devices from a single interface.

- Advanced Analytics: Gain insights into network performance and traffic patterns.
- Customizable Alerts: Receive notifications for critical events.
- Remote Troubleshooting: Quickly identify and resolve issues without on-site intervention.

All Appliance managed by **FusionMaestro**
Management Controller (Cloud & On-Prim)

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BYTESCREEN Tech Pvt Ltd stands firm in our mission to redefine the landscape of networking solutions through innovation, reliability, and customer-centricity. We are committed to pushing the boundaries of technology to deliver products and services that not only meet but exceed the evolving needs of our clients. As we continue to evolve & grow, our dedication to excellence remains unwavering. We invite you to explore our comprehensive range of networking solutions, tailored to empower businesses of all sizes and industries to thrive in the digital era. Whether you're seeking robust security measures, seamless connectivity, or advanced management tools, BYTESCREEN Tech is here to support your journey towards success.

Contact Details:

For inquiries, collaboration opportunities, or to learn more about how BYTESCREEN Tech can elevate your network infrastructure, please don't hesitate to reach out to us.

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