## Fortinet Secure SD-WAN Architecture Components

### Multi-Transport
- Switched Ethernet
- Broadband
- FortiExtender
- MPLS

### Transport Overlay
- IPsec
- VLAN

### Security Services
- FortiGuard Labs
- FortiSandbox
- Security Rating Service

### Network & Security Operations
- FortiManager
- FortiAnalyzer
- FortiSIEM

### Application Awareness
- Dropbox
- Office 365
- Box
- Citrix
- LogMeIn
- Google Cloud Platform

### Zero Touch Deployment
- FortiGate
- FortiManager
- FortiDeploy

### Identity & Access Management
- FortiAuthenticator
- FortiSSO

### Multi-Cloud Application Steering
- FortiAuthenticator
- AWS
- G Suite

### WAN Edge Consolidation
- Router
- SD-WAN
- NGFW
- IPS
- FortiGate

### FortiGate Next Generation Firewall Capabilities
- SSL Inspection
- Content Filter
- IPS
- Anti-Botnet
- App Control
- Reputation
- Antivirus
- Security Processor

### Secure SD-WAN Capabilities

**CIO**
- Enable Digital Transformation
- Application Resilience & Recovery
- Integrated Security Infrastructure
- Edge Device Consolidation
- CapEx & OpEx Reduction

**CISO**
- Attack Surface Visibility
- Reduced Complexity
- Increased Response Time
- Compliance Posture Visibility
- D&R Automation
- Security Framework Alignment

© Fortinet Inc. All Rights Reserved.
Digital Transformation for Enterprise Branch

**Multi-Cloud**
- AWS
- Google Cloud
- Office 365
- Box
- LogMeIn
- Dropbox
- Salesforce
- Citrix

**Private Cloud**
- Provisioning Server
- Threat Intelligence
- SIEM & Analytics
- Monitoring & Management
- NGFW

**Data Center**
- Internal Servers
- VMS
- SD-WAN Members

**External Services**
- WAN Path Controller
- Application Awareness
- Zero Touch Deployment
- Device Consolidation
- Improved WAN Link Performance
- Dynamic Application Distribution

**Secure SD-WAN Capabilities**
- Next Generation Firewall (NGFW)
- Multi-Transport Support
- Centralized Management
- Single-Pane-of-Glass Monitoring
- Identity-Based Policy
- Service Level Agreements (WAN Metrics)
- Traffic Shaping & Policing

**Branch Office**
- NGFW
- Broadband
- MPLS
- IPSec Tunnel
- LAN
Reduce WAN OpEx with Direct Internet Access

Secure SD-WAN Capabilities
- WAN Path Controller
- Application Awareness
- Zero Touch Deployment
- Device Consolidation
- Improved WAN Link Performance
- Dynamic Application Distribution
- Identity-Based Policy
- Traffic Shaping & Policing
- Next Generation Firewall (NGFW)
- Multi-Transport Support
- Centralized Management
- Single-Pane-of-Glass Monitoring
- Service Level Agreements (WAN Metrics)
### Redundant Broadband Enterprise Branch

**Two Internet Service Providers Direct Internet Access**

#### Secure SD-WAN Capabilities
- WAN Path Controller
- Application Awareness
- Zero Touch Deployment
- Device Consolidation
- Improved WAN Link Performance
- Dynamic Application Distribution
- Next Generation Firewall (NGFW)
- Multi-Transport Support
- Centralized Management
- Single-Pane-of-Glass Monitoring
- Identity-Based Policy
- Service Level Agreements (WAN Metrics)
- Traffic Shaping & Policing

#### Diagram

![Diagram showing redundant broadband enterprise branch with two ISPs, SD-WAN capabilities, and various networking components such as IPSec Tunnel, LAN, and data center.](image-url)

---

**Multi-Cloud**
- Google Cloud
- AWS
- Office 365
- Dropbox
- LogMeIn
- Box
- Citrix

**Private Cloud**
- Provisioning Server
- Threat Intelligence
- SIEM & Analytics
- Monitoring & Management
- NGFW

**External Services**
- SIP
- SD-WAN Members
- NGFW

**Data Center**
- ISP1
- ISP2
- 2x 200 Mbps
- 2x 50 Mbps

**Branch Office**
- Broadband
- LAN
- Secure SD-WAN Capabilities

---

© Fortinet Inc. All Rights Reserved.
Simplify with Secure SD-Branch

Secure SD-WAN Capabilities

- WAN Path Controller
- Application Awareness
- Zero Touch Deployment
- Device Consolidation
- Next Generation Firewall (NGFW)
- Improved WAN Link Performance
- Dynamic Application Distribution
- Multi-Transport Support
- Centralized Management
- Single-Pane-Of-Glass Monitoring
- Identity-Based Policy
- Service Level Agreements (WAN Metrics)
- Traffic Shaping & Policing

Multi-Cloud

Private Cloud
- Provisioning Server
- Threat Intelligence
- SIEM & Analytics
- Monitoring & Management

Data Center
- External Services
- Internal Servers

VMs

Private Cloud

Multi-Cloud

AWS

Office 365

Dropbox

box

LogMeIn

FortiGate

SD-Branch

FortiGate

Secure SD-WAN

FortiAP

FortiSwitch

Internet

MPLS

IPSec Tunnel

Broadband

LAN

5 Mbps

25 Mbps

100 Mbps

1 Gbps

50 Mbps

20 Mbps

10 Mbps

SD-Branch

FortiGate

Secure SD-WAN

FortiAP

FortiSwitch

Broadband

IPSec Tunnel

MPLS

LAN

SD-Branch

FortiGate

SD-WAN

FortiAP

FortiSwitch
Redundant Connectivity Enterprise Branch

Broadband with LTE Direct Internet Access

- WAN Path Controller
- Application Awareness
- Zero Touch Deployment
- Device Consolidation
- Improved WAN Link Performance
- Dynamic Application Distribution
- Next Generation Firewall
- Multi-Transport Support
- Centralized Management
- Single-Pane-of-Glass Monitoring
- Identity-Based Policy
- Service Level Agreements (WAN Metrics)
- Traffic Shaping & Policing