

# Cisco SD-WAN Implementation

Cisco SD-WAN Implementation is a structured engagement to transition legacy WAN architectures into a centralized, cloud-ready Cisco Catalyst SD-WAN environment. Majentai guides teams through discovery, design, migration, and Day 2 handoff to deliver resilient connectivity, application-aware routing, and consistent security across branches, data centers, and multi-cloud.

## Overview

This Implementation is a guided deployment designed to deliver a resilient WAN overlay with centralized control and secure connectivity, with a clear path to expand across branch sites and cloud environments. The engagement aligns network and security goals to application-aware routing and policy automation, validating a repeatable rollout approach that reduces disruption and improves performance.

- SD-WAN readiness and application profiling
- Controller hosting and deployment model
- ZTP templates and standardized rollouts
- Application-aware routing and security policy
- Day 2 analytics and operational handoff

## Business Outcomes

This engagement reduces WAN cost and operational risk by replacing hardware-bound designs with centralized policy and dynamic path selection. Majentai delivers consistent security, improved application experience, and a Day 2 operating model that accelerates rollout while improving visibility/troubleshooting across the WAN.

- Lower circuit costs with transport flexibility
- Better SaaS performance via SLA-driven routing
- Faster rollouts through centralized templates
- Reduced outages with telemetry and analytics

## Engagement Phases

### Phase 1: Strategy and Discovery

Assess current WAN circuits and edge hardware, profile critical applications and QoS needs, define the security strategy for encryption and firewalling, and confirm success criteria and migration sequencing for a controlled rollout.

### Phase 2: Solution Design and Planning

Design the controller deployment model (cloud, public cloud, or on-prem), define template standards for Zero-Touch Provisioning, and architect routing and application-aware policies to steer traffic based on real-time performance signals.

### Phase 3: Build, Implement and Validate

Bootstrap the management and control plane with certificate-based authentication, turn up pilot hubs and initial branches using ZTP workflows, and implement Cloud OnRamp for SaaS/laaS to optimize paths to AWS, Azure, and Google Cloud.

### Phase 4: Operations & Recommendations

Enable telemetry, vAnalytics, and experience baselines, tune centralized routing and security policies based on Day 2 patterns, and complete operational handoff with runbooks and knowledge transfer to support ongoing management and expansion.

## At a Glance

### Objectives

- Align SD-WAN architecture to business and application needs
- Deploy a scalable control plane and standardized templates
- Migrate sites with minimal disruption and measurable improvement

### Scope

- Transport assessment across MPLS, broadband, and LTE/5G
- Controller provisioning and certificate-based device onboarding
- Pilot and phased migration with ZTP and Cloud OnRamp

### Deliverables

- SD-WAN architecture blueprint documentation
- Exported device and feature templates
- Runbooks, training, and policy matrix

Majentai is a world-class Cybersecurity services provider, dedicated to implement, integrate and operate the most resilient Cybersecurity platforms using proven state-of-the-art technologies. With a team of seasoned experts and cutting-edge technology, we deliver comprehensive solutions tailored to our clients' unique needs, ensuring their digital assets remain secure in an increasingly complex cyber landscape.

For more information or to engage our services, please contact us at [info@majentai.com](mailto:info@majentai.com) or visit <https://majentai.com>