

Cisco Continuous Automation and Integration Testing

Accelerate deployment speed and reduce risk

In today's complex business environment, you need to accelerate and simplify the implementation of business-critical features and updates, while reducing costs and risk.

There is an average of 500 applications running in the typical enterprise environment. That's why it's not surprising that 66 percent of executives say the volume and technical complexities associated with integration make interoperability difficult.¹

In addition, in 2021, over 65,000 vulnerabilities were discovered by ethical hackers.² Eighty-three percent of organizations have experienced at least one breach, with cloud as a top target. Average breach costs ranged from \$3.5 million for hybrid cloud to \$5 million for public cloud.³

Cisco® Continuous Automation and Integration Testing can help you shorten test cycles, accelerate time to market, and reduce risk.

Outcomes

- **Reduced risk** for network transformation and accelerated adoption
- **Increased test efficiency** and reliability with 50% to 90% faster certifications
- **Decreased test operation expenses** by 40% to 80%

¹Companies with Highly Interoperable Technology Achieve Six Times Higher Revenue Growth, Accenture, 2022

²Hacker-Powered Security Report, Hackerone, 2022

³Cost of a Data Breach Report 2022, IBM Security, 2022

Large financial institution success story

Customer challenges

- Manual and siloed testing of SD-WAN testing caused significant gaps, which resulted in costly delays and service disruption.

Solution

- Deployed a centralized cloud platform to deploy the SD-WAN solution using orchestration to accelerate pre-production validation.
- Provided REST Application Programming Interface support for seamless integration into continuous integration and delivery.
- Accelerated time to value via automated deployment and validation using CX Test Automation Manager.
- Automated 164 test cases, which resulted in saving three hours per test across five monthly regression cycles, and a monthly savings of 2,460 execution hours.

Cisco Continuous Automation and Integration Testing provides full IT lifecycle validation through a service and test automation framework, CX Test Automation Manager, which is integrated into your environment to support NetDevSecOps. Backed by an industry-leading support team, it helps rapidly transform legacy manual testing into reusable automation, accelerating the adoption of new technologies and IT services.

Technology coverage includes core networking, data center, security, collaboration, and service provider architectures and related technologies.

Service overview

Our innovative technology and industry-leading expertise paves the way for your success by providing:

- **Business discovery workshop** for validation in your environment.
- **Joint plan of record** to document and approve the scope and topology.
- **Create detailed test plan** focused on validating to your specific requirements.
- **Lab assessment** and test framework inserted into your topology.
- **Fast iterative sprints** to match your business requirements.
- **Consultations based on test outputs** that lead to accelerated adoption of network changes.
- **Ongoing support** for platform and test cases.
- **Knowledge transfer** on the test platform and methodology.

Next steps

Cisco Continuous Automation and Integration Testing can be consumed via Cisco Lifecycle Services as an annual subscription or through Advanced Services - Transactional, bringing together expertise and an open standard test automation framework.

To get started, contact your Cisco representative or partner today.