



Cisco Security Advisory Services

Application Security Services

Today's dynamic threat landscape

Organizations are under attack everywhere. The global average cost of a data breach is \$3.92 million, according to a 2019 report by Ponemon Institute.¹ Gartner predicts that by 2021, more than 1 million IoT devices will come online every hour of every day. With the increasing use of business applications in Organizations, there is also an increasing security risk. Meanwhile the global cybersecurity workforce will have more than 1.8 million unfilled positions by 2022 according to a report from Frost & Sullivan.²

Build security into your applications

Cisco recognizes these challenges and our Security Advisory Services team provide solutions tailor made for your requirements. With a proactive, comprehensive approach to developing and maintaining an application security program, you can gain the ability to address increasingly aggressive attacks—while also managing compliance requirements. Our experts provide tactical and strategic guidance to reduce the overall risk and improve the security posture of your business.

Benefits

- **Ensure application security** across the entire development lifecycle
- **Build security** more effectively into application design
- **Improve the consistency** and quality of code, whether developed internally or offshore
- **Understand and model** current and emerging application threats
- **Identify and remediate weaknesses** in legacy applications

1 <https://databreachcalculator.mybluemix.net/>

2 <https://iamcybersafe.org/wp-content/uploads/2017/07/N-America-GISWS-Report.pdf>

Case Study

Global Retail Organization



Challenges

- Application development for strategic value
- Secure use of emerging technologies; mobile and cloud-based applications
- Increased volume and complexity of assessment data

Solution

- Blackbox and Combined Application Assessments
- Software Development Lifecycle Assessment

Outcome

- Improved software development lifecycle maturity, processes, and security
- 40 percent decrease in remediation costs due to streamlined validation
- Significantly reduced risk through enhanced application security

Our Services tailored to your security needs

Application Security Assessment: This assessment helps you identify and assess the application's immediate attack surface to expose security related issues and vulnerabilities. We apply a range of analysis techniques and follow a core strategy to document our findings, including prioritized recommendations for your application security and for next steps.

Application Security Architecture Assessment: This assessment helps minimize the effect and cost of insecure design decisions. We work with you to identify critical architectural vulnerabilities early in your development lifecycle. Through a clear understanding of vulnerabilities, your team can describe an application's risk profile more accurately.

Blackbox Application Assessment: This assessment provides valuable insight into your application's ability to resist attacks, as well as the level of risk the application introduces to your organization. We locate vulnerabilities using the same methods as real-world attackers. That is, we attempt to exploit the application in a live test environment, and harvest data from connected systems.

Mobile Application Assessment: This assessment helps you address device proliferation and bring-your-own-device (BYOD) challenges. We study and test your mobile application to provide an objective technical evaluation. This includes using a live test environment and source code (if available) to demonstrate the effects of real-world threats.

Software Development Lifecycle Assessment: This assessment provides an analysis of your application development program. It spans the entire software development lifecycle (SDLC), including security policy development, operational security response planning, and tactical program implementation. It is an all-encompassing assessment that's customized for your environment.

Next Steps

Visit www.cisco.com/go/securityservices to connect with our advisors and protect your business today.