



Brief

AT&T Security Consulting

Application Security Code-Level Review

Overview

The code that runs your applications can be described as the engine that runs all of your IT business processes. It is also the foundation upon which application security must be built. Errors, vulnerabilities, poor design, or weak coding practices can all lead to an application compromise. Internally developed or customized applications often do not enjoy the scrutiny of a broad user community. This means that security oversights can go undiscovered, at least until disaster strikes.

A code-level security assessment can often identify vulnerabilities within an application that may otherwise go undetected. AT&T Security Consulting, a global leader in IT security, offers detailed Code Reviews by our application security professionals. This service can help you pinpoint such weaknesses and find the best solution for remediation.

Proven Assessment Experience

A code-level security review of applications can validate the strength of your application security at the lowest layer possible. This approach gives the greatest visibility into opportunities for improvement – before they become exploited vulnerabilities. Conducting code reviews also help your organization remain compliant with certain regulatory requirements and standards, such as the Payment Card Industry Data Security Standard (PCI-DSS).

For organizations relying on outsourced developers, successful completion of a security review is often a requirement before project acceptance. At AT&T Security Consulting, we do more than simply identify vulnerabilities; we validate their existence and quantify the risk to your organization. Our team, which averages over twelve years of IT Security experience, performs a variety of automated and manual tests to isolate specific weaknesses. Our processes can uncover whether a combination of vulnerabilities work together to increase risk, and our reporting provides context so risk ratings describe true threats to your organization based on the controls in the deployed environment.

The Process

1. Determine Scope of Work

Our Application Security professionals work with your security and information officers, development teams, or third parties to define the scope of the work. Often, we rely on language and line-counts to help define the level of effort involved, and determine the optimal approach to the engagement. We can support assessments in all major development frameworks and scripting languages as well as many other less-common platforms.

2. Evaluate Business Goals

Taking a holistic approach, we work to identify your overall business and security objectives and analyze the current state of your security. We aim for recommendations that are technically sound and tailored to your business.

3. Assess Risk

Networks have many components and can be very porous, but the application layer is especially vulnerable. AT&T Security Consulting uses defined methodologies based on our knowledge and experience with best practices, recommended standards and regulatory requirements. We examine your source code to determine its ability to enforce organizational security policy and withstand targeted attacks.

4. Test the System

Knowledge about whether the identified vulnerabilities can be exploited from the published application interfaces is critical. AT&T Security Consulting can combine source code review with dynamic testing from the perspective of an outside intruder. We work to track issues identified in source code to any exploitable conditions that may open your organization to threats from malicious users.

To learn more about AT&T Security Consulting services, visit www.att.com/security-consulting or [have us contact you.](#)

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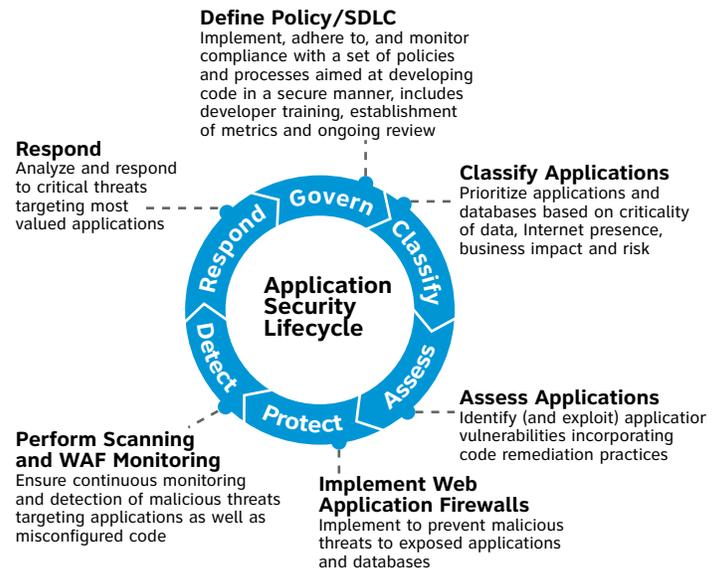
A Sustainable, Programmatic Approach

Application Security Code level review is an assessment activity as defined in the AT&T Security Consulting six step Application Security Lifecycle (see the graph at right), encompassing:

1. Governance
2. Classification
3. Assessment
4. Protection
5. Detection, and
6. Response

AT&T Security Consulting combines people, processes, and technology to offer a comprehensive suite of services that address the many facets of application security, from assessment, development, and threat monitoring to detection and protection. We integrate these activities and apply in-depth analysis so that assessments and security intelligence translate into actionable responses. Whether an organization is looking for a single point solution or an entire suite of services, professionals from AT&T Security Consulting work with your internal team to implement a sustainable, programmatic approach that improves security, compliance, and software development processes while expediting implementation and reducing the burden on in-house personnel and resources.

Application Security Lifecycle



Count on Security Consulting from AT&T

AT&T has a long history of developing and managing security services that support a defense-in-depth architecture to help with your security policies. AT&T security consultants have experience handling large, complex infrastructure solution deployments. We follow industry best practices and a standardized methodology to help reduce risks and speed deployment of your end-to-end security solution.

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