

CRITICAL FAULT

PROFESSIONALLY PARANOID

APPLICATION SECURITY

Application Security is the next frontier when it comes to hackers and is critical to protecting your operations from incidents. Critical Fault focuses on the art of exploiting web applications by finding flaws in your enterprise's applications. Our Red Team is composed of experienced developers with the knowledge to find weak spots in any application.

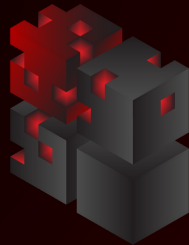


APPLICATION TESTING SERVICES

- WEB APPLICATIONS
- MOBILE APPLICATIONS
- CODE REVIEW
- DEVSECOPS

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APPLICATION PENETRATION TESTING

Applications often rely on external security controls, such as web application firewalls, and have multiple user roles that require testing. Often, internal security controls native to the application are untested, or worse, missing entirely. Our Red Team will test against all roles and security controls protecting applications.



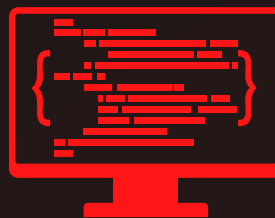
Critical Fault uses two Application Security Testing Approaches



D.A.S.T.

Dynamic Application
Security Testing

Examines the live application
to find flaws and identify areas
of risk.



S.A.S.T.

Static Application Security
Testing

Examines the source code to
find flaws hidden deep within
the application.

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WEB APPLICATION TESTING

Most organizations have a mature external network perimeter causing attackers to focus on application vulnerabilities as their main opportunity in. Our security experts manually dig into web applications, finding hidden and more complex flaws that an automatic scanner will never find, such as privilege escalation, business logic flaws, and encryption implementation issues.

Critical Fault can perform Dynamic Application Security Testing (DAST) in combination with white box testing to give testers a comprehensive look at the application source code, allowing our Red Team the opportunity to identify hidden and obscure vulnerabilities.



WHITE BOX TESTING

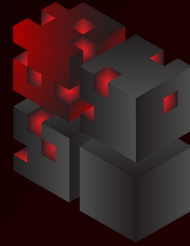
- Testing the application with knowledge of the inner workings

BLACK BOX TESTING

- Testing the application without any previous knowledge of the application

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MOBILE APPLICATION TESTING

Mobile applications have added an extra attack surface to application systems.

Critical Fault provides mobile application testing by analyzing local storage, transport security between the application and the web service, local database use, and the application runtime environment. We test for the ability to bypass mobile device protections using D.A.S.T. and white box testing.

MOBILE APP TESTING ANALYZES:

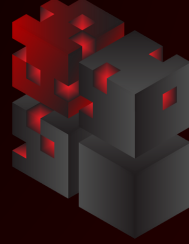
- LOCAL STORAGE
- TRANSPORT SECURITY
- LOCAL DATABASE USE
- APPLICATION RUNTIME ENVIRONMENT

Critical Fault offers Mobile App Testing for both iOS and Android applications



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CODE REVIEW

Hidden code-level vulnerabilities, such as hard-coded credentials and encryption implementation flaws, are often impossible to discover through dynamic testing, especially on a time-boxed assessment. Critical Fault will scour through the source code of the application, in addition to running static code analyzers, to identify weaknesses in the code, commonly known as Static Application Security Testing (S.A.S.T.).



DEVSECOPS

Critical Fault works with the development and operations team to identify security gaps in the Secure Software Development Lifecycle and helps the development team integrate security into this process to eliminate bugs as early as possible.

