

# **Penetration Test Service**

## **Product Introduction**

### **Product Documentation**



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# Product Introduction

## Overview

Last updated : 2025-01-02 14:53:58

Tencent Cloud Penetration Test Service (PTS) provides black box penetration tests for web applications and mobile apps. It covers the entire lifecycle of security vulnerabilities from discovery and exploitation to fix and verification. With PTS, you can integrate security tests into your product development, application launch, and security check processes at any time. PTS is fast, reliable, and easy to manage and effectively improves the security capabilities of your applications.

## Features

Service Type	Feature Description	Test Content
Web penetration test service	Tencent experts identify the vulnerabilities in your business systems. They use Tencent's proprietary security specification and policy library as well as assessment and analysis engine to fully assess the security level of your web applications in Tencent Cloud and discover application and data risks.	<ul style="list-style-type: none"> <li>Web application security check</li> <li>Business security check</li> <li>Website data and code leakage detection</li> <li>Domain risk exposure assessment</li> <li>Middleware vulnerability detection</li> <li>Weak password detection</li> </ul>
App penetration test service	Tencent experts identify the vulnerabilities in your clients and business systems. They use Tencent's proprietary security specification and policy library as well as assessment and analysis engine to fully assess the security level of your iOS/Android app clients and app assets in Tencent Cloud and discover client, app, and data risks.	<ul style="list-style-type: none"> <li>Client security check</li> <li>Component security check</li> <li>Data storage security check</li> <li>Security policy check</li> <li>Process security check</li> <li>Communication security check</li> <li>API security check</li> <li>Business security check</li> <li>Domain risk exposure assessment</li> <li>Middleware vulnerability detection</li> <li>Weak password detection</li> </ul>

## Customer Benefits

## **Technical security verification**

As an independent security technology service, PTS mainly aims to verify the technical security of the entire target system. Penetration tests can also be performed on key businesses as an important means to discover and verify system risks. System security can be quantitatively analyzed at the technology level through penetration tests.

## **Security risk discovery**

A penetration test creates a serial path for traditional security vulnerabilities and then simulates an intrusion by exploiting the path. In the entire process, a hacker intrusion is simulated to effectively verify the presence and exploitability of each security risk and identify the most urgent security issues. This eventually reflects the security level of the system with straightforward results.

## **Basis for security hardening**

The results of penetration tests and tool scans serve as important inputs to future security planning and hardening. In particular, the test results can be used as case studies during security awareness training for internal security personnel.

## **Improvement of security skills**

PTS offers professional test reports, which can be used as cases and references during the study of common security principles.

# Strengths

Last updated : 2022-08-30 15:09:43

## Professional Attack Protection Team

PTS has a team of experts with strong technical expertise and rich experience in attack protection from Tencent's seven security labs. They conduct research on cutting-edge security technologies and grasp ever-emerging attack techniques to identify security threats and make penetration tests more comprehensive.

## Abundant Vulnerability Data

In the long-term fight against cybercriminals, PTS has accumulated abundant data about latest N-day vulnerabilities in the wild and effectively converted such data into test cases. It leverages the proprietary security policy library as well as assessment and analysis engine to fully assess the security of applications and detect risks to servers, networks, applications, and data.

## Full Vulnerability Lifecycle Coverage

PTS boasts industry-recognized knowledge bases and methodologies for information system security. It covers the entire lifecycle of vulnerabilities from discovery and exploitation to fix, helping improve the security level of your application systems in a more complete, professional, and efficient manner.

# Use Cases

Last updated : 2022-08-30 15:09:43

## Application Launch Testing

PTS helps verify the security of application features before application launch or during version iteration, so as to avoid security incidents caused by undetected vulnerabilities after application launch.

## Security Capability Check

PTS can check your security protection capabilities. Especially, after you invest resources in constructing security capabilities for your websites and systems, you can use the practical mode of PTS to check their security levels.

## Policy Compliance

According to the requirements of laws, regulations, or network regulatory authorities, you need to guarantee the security of your systems, and PTS provides penetration tests to verify their security.

## Complementary Security Capabilities

Online business systems require emergency response and rectification after security incidents such as hacking occur or notifications are received from regulatory authorities. In this case, PTS can help you detect more potential security vulnerabilities.