Samsung SDS

IT Vulnerability Assessment

IT System Vulnerability Assessment with Penetration Testing and Improvement Guidelines

Background

Needs for IT System Vulnerability Assessment

Understand your level of security responses to the latest cyber attacks
Predict and prevent possible hacking attempts and internal security incidents
Analyze security vulnerabilities and develop countermeasures

Service Overview

Conduct penetration testing on IT infrastructure and applications to understand the level of responses to the latest attack techniques and offer preemptive security response system by analyzing causes

Key Features

Penetration Testing based on Samsung SDS's unique IT System Checklist

- Assess vulnerabilities of IT infrastructure based on ITSI[1] consisting of 333 control items under 16 domains
- Assess attack response level using white hat hacking methodology
- Assess security monitoring and response processes through tests for APTs and malicious codes

Maximize Testing Efficiency by Conducting both Automated and Manual Assessment

- Use web vulnerability scanner developed with years of experience in the domain
- Perform penetration testing using techniques such as data breaches, parameter tampering, and logical assumptions in a variety of scenarios

Provide Security Guidelines

- Provide guidelines for security improvement measures after assessment
- Train security system operators and security personnel

[1] IT Security Index: Checklist for security vulnerability assessment reflecting security laws and vulnerability information from global security agencies

Key Services

Target System Analysis for Penetration Testing

Analyze data flow and identify potential attack points

Define target system for vulnerability assessment

Penetration Testing and Vulnerability Identification

White hat hacking on systems and services

Scan for possible server access or data leaks by malware and APT attacks

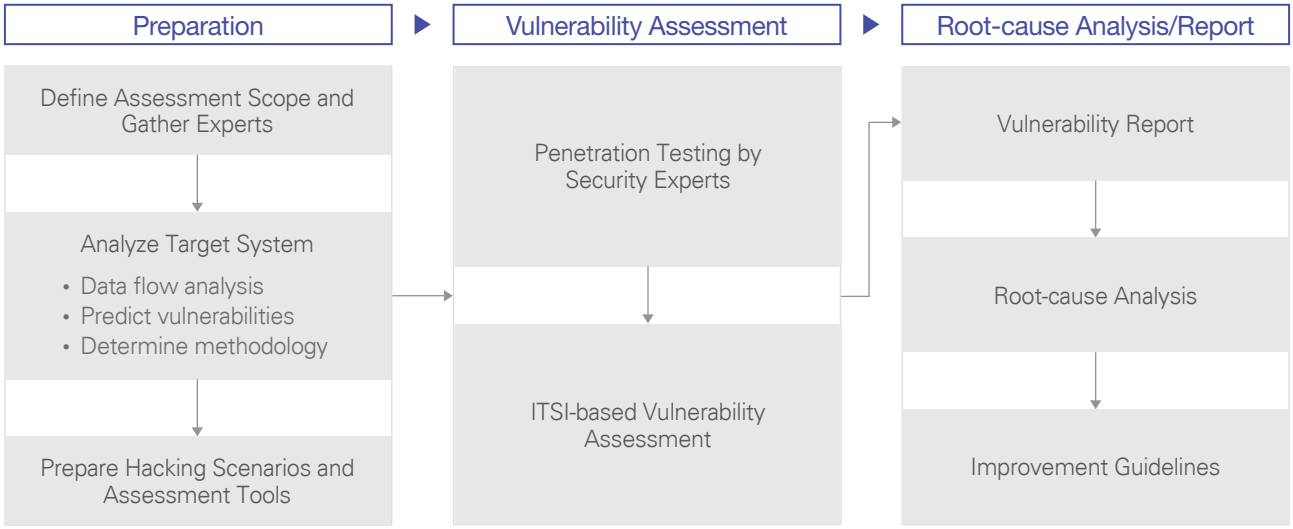
Identify vulnerabilities using vulnerability test programs and conduct additional penetration testing

Improvement Project Development

Publish assessment reports on vulnerabilities and causes

Provide countermeasures for major causes by assessment area

Offer quick fixes, short- or long-term projects upon priorities



Benefits

Prevent Data Leaks through Various Attack Techniques

Understand attack scenarios using discovered vulnerabilities

Provide cutting-edge response measures to secure critical corporate or personal information

Enhance IT System Security following Improvement Guidelines

Develop security enhancement projects and enhance security management system based on identified security improvement items

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