SOAPSONAR

API TESTING

Easy to Deploy

Installs in less than 10 minutes

Intuitive Interface

Rapid test generation

Complete Solution

Comprehensive API testing

SOAPSonar is the industry leading API testing product with over 100,000 installations worldwide. SOAPSonar provides comprehensive features combined with an intuitive user interface to enable code-free service testing that covers Functional, Automation, Regression, Performance, Compliance and Security test for OpenAPI, XML, SOAP, REST, and custom message formats.

Drive test inputs and response analysis using dynamic data from File, Excel, or Database tables. Validate API behavior by creating expected behavior rules using the success criteria rule framework or using the automated regression baseline creation features.

SOAPSonar provides immediate feedback on the quality, resilience, and robustness of API services.

CROSSCHECK networks

Functional | Performance | Compliance | Security

BASE STANDARDS	⇒	OpenAPI, JSON, XML, SOAP, WSDL
	⇒	SAML, OAuth, AWSv4, XPath, XSLT, XSD Schema, Schematron, DTD, REST, SWA MIME, DIME, MTOM, WS-Addressing, WS-Trust, WS-I Basic Profile, WS-Policy, WCF, WS-Security
	⇒	HTTP, FTP, sFTP, IBM MQ, Tibco JMS, WebLogic JMS, ActiveMQ, and native JMS protocols
TEST AUTHORING & CAPTURE	⇒	Test Case Types Include OpenAPI, XML, REST, JSON, HTML, SOAP, WS-Trust
	⇒	Forward and Reverse Proxy Capture Tool to enable capture and replay of existing flows
AUTOMATION	⇒	Command-Line Interface, Test Scheduling, and Data Source Automation Integration
	⇒	Regression Baseline Creation with XDiff matching technology
	⇒	Native HP Quality Center Integration (EMAP Certified)
	⇒	Features for integration with Hudson, JUnit, and Ant
COMPLEX XSDs & WSDLs	⇒	Complex WSDL loading support with WSDL and XSD imports
	⇒	XSD Polymorphism support (Abstract Types), XML Attributes and Element Exclusion
	⇒	XSD Generation from XML or DLL, XML Generation from XSD
DYNAMIC MESSAGE PROCESSING	⇒	Request and Response Task Processing with Encrypt, Decrypt, Sign, Verify
	⇒	Unique timestamps and nonce generation for every Request
	⇒	Dynamic Tokens including WS-User Name, WS-X.509, WS-Kerberos, WS-SAML, WS-Timestamp
	⇒	Message Transformation using XSLT, or direct JSON, EDI, and XML conversion functions
	⇒	Extensible message processing via VBScript, JScript and external business logic in DLL plug-ins
CRYPTOGRAPHY & PKI	⇒	Import, Generation and Management of X.509 with Self-signed and CA-signed Certificates
	⇒	Windows, Java, File, and Smart-Card PKI integration
IDENTITY	⇒	HTTP Basic Auth, X.509 Mutual Auth, Kerberos, NTLM, Cookies, HTTP Form Post, FTP and sFTP Auth
	⇒	SAML, OAuth, WS-Security Auth (Username Token, X.509, Kerberos and SAML)
PERFORMANCE & SCALABILITY	⇒	Concurrent Virtual Clients with Modeling and Ramp-up / Ramp-down schemes
	⇒	Transaction Rate Throttling for SLA Measurement and Behavior Modeling
	⇒	Distributed Agent Loading with Centralized Agent Control and Result Statistics Consolidation
SECURITY	⇒	Auto-generated security tests using XSD Mutation Technology
	⇒	Identify Web Services vulnerabilities such as SQL Injection, Malware Threats, Denial-of-Service
RULE SCORING & SUCCESS CRITERIA	⇒	Extensible rule framework for header, body, and environment validation
	⇒	Automated Database to XML Comparison, XMLDiff Regression Baseline, XPath, and Schematron
REPORTING	⇒	Extensible XML Output Format, Graphical Reporting, and Graphical XML Diff Reports.