Easy to Deploy

Installs in less than 10 minutes

Intuitive Interface

Quickly virtualize services

Complete Solution

Endpoint and JMS simulations

CloudPort is an easy-to-configure, comprehensive service emulation product for mimicking service APIs as a virtual endpoint or ESB broker that can be communicated with as the actual service. CloudPort provides a virtual interface for clients to communicate with to replicate the message flows and business logic for SOAP, REST, XML, JSON, and EDI services. Rules can be created on CloudPort to report on client conformance level for service integration requirements. This allows the simulated service integration to provide feedback as to when the client is ready to communicate to the actual physical services.

CloudPort reduces project expense and timelines by enabling parallel development of the client and service. Service simulations are built using graphical point-and-click rules. The resulting simulations can be deployed locally, on a network server, on VMWare, or in Cloud to emulate the service API. Virtualizing services provides a simple, effective way to test the service endpoint before the service is available and to verify the client integrity without impact to the actual service or IT infrastructure.

CROSSCHECK
n e t w o r k s

EMULATE | VIRTUALIZE | OPTIMIZE

SIMULATION AUTHORING	⇒	Simple navigation with inbound message rule association with generated simulation response
	⇒	Centralized console for pushing authored policies to enterprise data centers and cloud providers
	⇒	Comprehensive cloud image management and policy publication across cloud server instances
	⇒	Inline VBScript and JScript for custom business logic
	⇒	Success criteria rule framework for measuring and validating client behavior, failures and errors
SIMULATION CAPTURE	⇒	Reverse proxy capture with automated virtualized emulation project generation
BASE STANDARDS	⇒	XML, SOAP 1.1/1.2, WSDL, JSON, XPath, XSD Schema, UDDI v3
	⇒	XSLT 1.0/2.0, REST, SwA MIME, DIME, MTOM, WS-Addressing, WS-Trust, WS-I Basic Profile, WS-Policy, WCF, WS-Security, WS-Identity, SAML 1.1, 2.0, Schematron
	⇒	HTTP, HTTPS, IBM MQ, Tibco EMS, WebLogic JMS, and native JMS protocols
PERFORMANCE	⇒	Highly scalable multi-threaded technology allows component isolation and performance assessment
	⇒	Large file streaming of SwA and XML formats for large file scalability testing
	⇒	Induce latency dynamically while simulations are running to profile client behaviors
ERROR STATES	⇒	Dynamically induce network, message, and protocol header errors states to validate client resilience and robustness.
CRYPTOGRAPHY & PKI	⇒	Native import, generation and management of private keys and X509 certificates
	⇒	Smart-Card integration for dynamic card reader certificate extraction
	⇒	Java Keystore Import. ASN.1 to PEM Converter
IDENTITY	⇒	HTTP Basic Auth, HTTPS X.509 Mutual Auth, Windows NTLM, Cookies, HTTP Form Post
	⇒	WS-Security Auth Username Token, X.509, Kerberos and SAML 1.1/2.0
	⇒	Integrated cloud token management across multiple cloud providers
SERVICE SCORE CARD	⇒	Rule framework including WS-I BP rules, naming conventions, and WSDL component targets
	⇒	Evaluate and score WSDL against consistent, portable corporate best practices rule-set
REPORTING & ADMIN	⇒	Aggregated reports across enterprise data centers and cloud providers for cost-benefit-risk analysis
	⇒	XML based logs with request/response correlation
	⇒	Graphical Reporting with export formats in PDF, XSL and DOC
	⇒	Function and Governance reports for client validation and sign-off

CROSS✕CHECK
n e t w o r k s

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