

OpenText Service Virtualization for SAP

Simulate component behavior earlier and achieve faster delivery times

Product highlights

- Execute tests earlier in the delivery cycle
- Conduct more realistic, scalable, and secure tests
- Accelerate software release cycle

OpenText™ Service Virtualization enables application teams to easily create virtual services that can replace targeted services in a composite application or multi-step business process. By accurately simulating the behavior of the actual component, it enables developers and testers to begin performing functional or performance testing immediately, in parallel. This is possible even when the real services are not available, data access is restricted, data is difficult to attain, or services are not suitable for the test.

SAP development and testing teams can achieve:

- **Increased test frequency** through not consuming SAP system test data when running tests, your tests can use the same data for each cycle.
- **Reduced cost and increased realism of quality assurance or development systems** by using simulated rather than real, expensive services and infrastructure.
- **Elimination of dependent services and earlier test starts** to find defects sooner.

Using OpenText Service Virtualization within an SAP® project empowers your dev testers to work earlier in the delivery cycle. Fewer downtime interruptions allow you to focus on service quality attributes such as performance, reliability, and scalability. In short, OpenText Service Virtualization delivers both faster delivery times and higher quality services, benefitting everyone involved in application delivery.

Feature	Description
Coverage	Comprehensive SAP and non-SAP coverage—including Remote Procedure Call (RPC), iDoc™ and OData™ for specific SAP support, plus ~100 other technologies and protocols.
Cross-vertical usage	Proven in multiple industry sectors, including financial services, telecom, utilities, insurance, and manufacturing.
Data-oriented simulation	Broad built-in enterprise protocols coverage and modeling techniques that operate independent of customers' technical background and skill.
Load testing	Large-scale load testing—built for scale and realistic performance simulation.
API simulation	Dev-focused API simulation—an innovative approach with advanced simulation for enterprise applications spanning across web, mobile, and Internet of Things.
Infrastructure	Flexible infrastructure—deploy multiple simulation nodes depending on performance or test environment needs, with multiple licensing options.

Associated OpenText products

OpenText™ Functional Testing

OpenText™ Core Performance Engineering

Resources

[SAP modernization ›](#)

OpenText Service Virtualization provides an intuitive design IDE with data-oriented modeling independent of the customer's technical background and skills. Service virtualization capabilities include learning, data and samples imports, manual scenario modeling, data driving from database or files, advanced scripting, and interactive, on-the-fly simulation model creation.

The easy-to-use design IDE contains an embedded simulation runtime for quick simulation debugging and local use. Users can quickly model access to dependent application components and shared services, expose unfinished components to testing teams and other projects for dev/test, and eliminate the need to create and maintain programming stubs.

OpenText Service Virtualization comes with built-in performance modeling capabilities on top of functional and data models. Ready-to-use integration to performance testing tools and scalable simulation runtime allows easy simulation of extreme back-end services behaviors that are hard to achieve on limited physical infrastructure. This helps mitigate constraints and test performance within application dependencies. Users can stand up working test environments faster and with lower costs and conduct more realistic tests by modeling back-end functional, performance, and network behavior.

Pre-built integrations to OpenText Functional Testing, OpenText Performance Engineering, and OpenText™ Application Quality Management allow SAP tests to control, provision, and store data for virtual services directly from automation tools while collecting metrics during execution and simulation.