RS AssureEdge™

Testing Beyond Certification — Ensuring True Readiness for Real-Time Payments

Real-Time Payments Demand Real-World Readiness

As real-time payment ecosystems like Canada's RTR evolve, simply achieving certification is no longer enough. Banks, payment infrastructures, and financial institutions must ensure operational resilience, regulatory compliance, and performance at scale — right from Day One.

RS AssureEdge™ offers a dynamic, ISO 20022-ready sandbox environment for end-to-end payment lifecycle testing — from authorization to settlement and reconciliation.

Built for flexibility, performance, and resilience, it prepares your systems not just to connect — but to thrive under real-world conditions, as demonstrated during the rapid national rollout of UPI.

API-First | Cloud-First | Composable | Low-code | Configurable | Microservices-based | ISO 20022 ready

Why RS AssureEdge™

End-to-End Payment Lifecycle Testing: Authorization, clearing, settlement, reconciliation, and error handling.

Performance, Load, and Chaos Testing: Go beyond functionality to validate scalability, resilience, and recovery under real-world failure scenarios.

Compliance Confidence: Ensure ISO 20022 and RTR/CPS compliance with reusable, audit-ready test suites.

Sandbox-as-a-Service or Institution-Deployed: Flexible deployment models tailored to your needs.

Real-World Ecosystem Simulation: Virtualize banks, central infrastructure, and scenarios like insufficient funds, timeouts, and fraud patterns using shared scenario libraries that support uniform certification across the ecosystem. Safely simulate integrations with fintechs and third parties in a secure, controlled test environment.

RS AssureEdge™ - Highlights

Comprehensive Test Management

- Self-service onboarding, scenario configuration, and graphical reporting via a powerful test portal — with versioned APIs, CI/CD integration, and audit logs to support seamless developer workflows.
- API-first design for seamless integration with RTR Exchange, C&S, and e-Transfer flows.

Performance and Resilience Validation

- Measures response times, validates load endurance, and supports recovery from failures within defined thresholds.
- Preloaded spike, soak, and breakpoint scenarios to test scalability and recovery.

Intelligent Chaos and Risk Testing

- Injects dynamic failures — from database outages to microservice disruptions and payment timeouts. Simulates fraud detection rules to help identify potential fraudulent transactions.

Configurable and Repeatable Testing

- Pre-configured RTR and ISO 20022-compliant test suites.
- Modular, reusable test scripts for functional and non-functional validation.
- Expression-based low-code configuration for faster customization

Business Impact

Demonstrated success in preparing institutions and infrastructures for real-time payment environments — at speed and at scale. Enables continuous assurance by validating post-go-live changes — ensuring RTR compliance and long-term ecosystem resilience.

Metric	Achievement
Efficiency	30% faster setup and validation through pre-loaded templates
Response Time Validation	Meet response time for transaction flows using custom configuration
Risk Reduction	Minimized false positives/negatives; ensured regulatory compliance

Strengthen Real-Time Readiness with RS AssureEdge™

Test smarter, deploy faster, and ensure resilience — without compromising compliance, scalability, or operational performance.

About RS Software

RS Software builds global, national and enterprise payment platforms, and has presence in four continents. Our product suite combines with knowledge systems built over 30 years, delivering mission-critical payment solutions that combine innovation and entrepreneurship to create the new gold standard for digital payments. With approximately 46% of the global digital payment volumes in 2023 processed on platforms built by RS Software, our vision is to deliver payments at the speed of thought.

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