

SWIFT Protocol Testing Accelerator

Addressing critical challenges when testing SWIFT applications

A worldwide community of financial institutions, SWIFT is the leader in communication solutions enabling interoperability between its members, their market infrastructures and their end user communities. It allows more than 9,000 banking organizations, securities institutions and corporate customers in 209 countries to automate and standardize financial transactions, thereby lowering costs, reducing operational risk and eliminating inefficiencies from their operations.

For member organizations, the periodic annual upgrades and releases from SWIFT are mandatory and can lead to version compatibility issues

when interacting with older versions of the protocol. This can lead to challenges when upgrading and testing all applications for compliance.

Additionally, SWIFT specialists and SMEs are required when testing SWIFT messages on business flows. Financial institutions may not have a team available with the right SWIFT expertise to manage an upgrade, lead a migration or integrate a new application into existing SWIFT interfaces.



It may be SWIFT but it's not fast

Testing SWIFT upgrades, migrations or integrations can be time consuming and costly because it requires very specific expertise. For those new to SWIFT testing, it is difficult to select appropriate testing tools, reduce time to market between each test cycle, and incorporate SWIFT testing needs into existing test development methodologies.

Speed your SWIFT testing efforts

Capgemini's [SWIFT Protocol Testing Accelerator](#) provides the industry's first and only complete testing solution that spans securities and payments business areas and addresses both MT and MX message types. Capgemini worked with leading software vendors Hewlett-Packard and Blueprint Systems to build an innovative testing framework which uses best practices and

proven methodologies gained from our experience testing systems for some of the world's leading banks, exchanges and securities firms. The flexible, end-to-end solution contains independent frameworks for branded and open source tools which speed your work, reducing project lifecycles by up to 50%.

SWIFT Protocol Testing Accelerator contains a customizable methodology to support common SWIFT-related testing types:

- Functional testing
- End-to-end flow testing
- Regression testing
- Compliance testing
- Standard release upgrade testing

How does the SWIFT Protocol Testing Accelerator solve industry challenges?	
You are...	SWIFT Protocol Testing Accelerator provides...
Implementing SWIFT protocol for the first time	A ready-to-test framework that complies with regulations and includes defined QA processes and methodologies to set up a workbench for SWIFT testing.
Upgrading to the latest version of SWIFT	A framework which can be customized and upgraded to a higher SWIFT standard release. Capgemini continuously maintains our framework to match the latest SWIFT standard release.
Migrating from another protocol to SWIFT	A head start by using pre-defined and customizable use case models, test scenarios and test cases . Capgemini's accelerator includes testing methodologies that speed migration, system and integration testing to ensure connectivity between legacy trading applications and SWIFT interfaces.
Integrating a new application with existing SWIFT interfaces	A variety of customizable testing methodologies to support system and integration testing for SWIFT interfaces in securities and payments.

Complete coverage for your trading & settlement systems

Our comprehensive solution helps you test electronic trading and settlement applications, payment systems and SWIFT interfaces including:

- Trading applications
- Settlement applications
- Custodian systems
- Payment systems
- Client/broker dealers systems
- Investment management systems

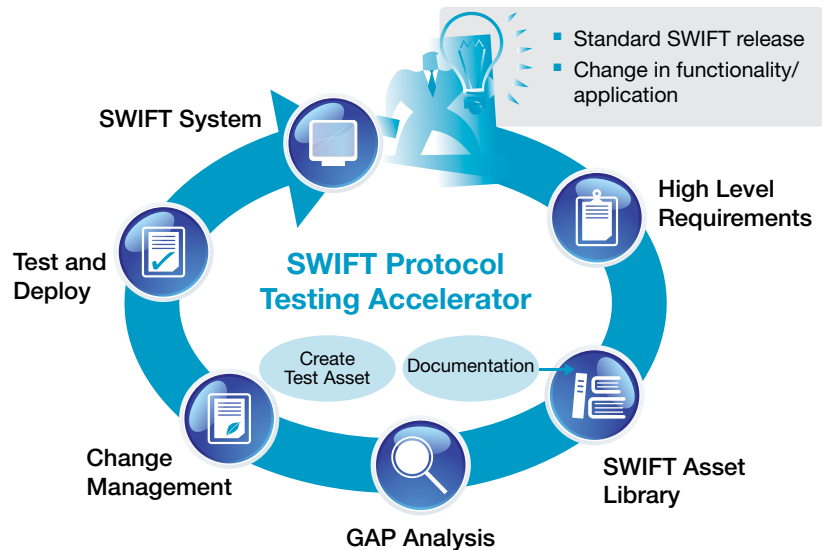
Why use a testing accelerator?

Balancing the need for quality against tight deadlines is always a struggle for IT teams. While testing is important, there is never enough time or resources to fully test a system before it needs to go live.

The SWIFT Protocol Testing Accelerator can help you maximize test coverage while minimizing testing efforts using proven, repeatable frameworks, test and use cases, business scenarios, requirements and other artifacts. By accelerating your SWIFT testing efforts, Capgemini can help you:

- Minimize risk by providing compliance to SWIFT protocol message standards

SWIFT Protocol Testing Accelerator reduces time to market



- Establish an institutional knowledge base for functional, regression and system integration testing to improve SWIFT applications
- Reduce time to market with predefined test scenarios that shorten the design phase; pre-defined test cases that speed implementation; and a proven methodology to streamline the execution phase
- Manage requirements using Blueprint Requirement Center which provides complete test coverage and ensures that all test cases are mapped to requirements
- Minimize rework through requirements visualization and modeling
- Increase test coverage using optimal test cases
- Enable faster customizations using a flexible framework
- Support customizations of test data, SWIFT testing assets or SWIFT testing framework to match the specific needs of your systems
- Minimize time spent by SMEs and business users and gain scalability through experienced Capgemini onsite and offshore resources
- Achieve a faster return on investment through cost and time savings

SWIFT Business Areas	
Securities	Payments
<ul style="list-style-type: none"> ▪ Settlement and reconciliation ▪ Pre-trade, trade and post-trade ▪ Corporate actions ▪ Proxy voting ▪ Investment funds ▪ Securities lending and borrowing 	<ul style="list-style-type: none"> ▪ Account management ▪ Initiation ▪ Clearing and settlement ▪ Cash management

For more information, contact us at financialservices@capgemini.com.

Capgemini's SWIFT Protocol Testing Accelerator was developed with the support of HP (www.hp.com/go/software) and Blueprint Systems (www.blueprintsys.com). SWIFT is a trading name and trademark of S.W.I.F.T. SCRL. All products or company names mentioned in this document are trademarks or registered trademarks of their respective owners.



About Capgemini and the Collaborative Business Experience

Capgemini, one of the world's foremost providers of consulting, technology and outsourcing services, enables its clients to transform and perform through technologies.

Capgemini provides its clients with insights and capabilities that boost their freedom to achieve superior results through a unique way of working, the Collaborative Business Experience™.

The Group relies on its global delivery model called Rightshore®, which aims to get the right balance of the best talent from multiple locations, working as one team to create and deliver the optimum solution for clients.

Present in 40 countries, Capgemini reported 2010 global revenues of EUR 8.7 billion and employs around 110,000 people worldwide.

Capgemini's Global Financial Services Business Unit brings deep industry experience, innovative service offerings and next generation global delivery to serve the financial services industry.

With a network of 17,000 professionals serving over 900 clients worldwide, Capgemini collaborates with leading banks, insurers and capital market companies to deliver business and IT solutions and thought leadership which create tangible value.

For more information please visit www.capgemini.com/financialservices