



SPIRENT PROFESSIONAL SERVICES

NoCODE IMPLEMENTATION & INTEGRATION SERVICES

Expert Deployment. Once you've selected one of Spirent's game-changing NoCode Lab and Test Automation solutions, avoid the difficult and time-consuming stage of ramping up. Implement and integrate with the help of our experts to reduce the time required to effectively benefit from the NoCode solution.

You will have the assurance that your team knows all the features they need without studying a plethora of manuals. They can quickly start leveraging the time-saving benefits and hit the ground running with their testing.

Enjoy the advantages of Spirent's NoCode Physical Infrastructure, NoCode Environment, NoCode Test Case or NoCode Test Cycle from the first day of use with an expert-led knowledge transfer session which accelerates and optimizes the solution benefits.

BENEFITS INCLUDE

- Solution experts ensure your deployment is properly configured, installed and in production quickly
- Hassle-free process reduces your effort and saves you time and resources
- Targeted knowledge transfer assures your lab staff can successfully perform critical testing tasks without delay
- Shared industry-proven best practices

ACCELERATED VALUE

Spirent's NoCode Implementation and Integration Services drastically reduce valuable ramp-up time and enable you to get the full value from your test investment right from the start. These services provide a convenient and complete expert-led hands-on, customer-focused tutorial for quickly deploying your new NoCode automation solution exactly as it should be set up. The services also manage the critical facets of equipment installation and integration, so your solution is up and running on schedule.

SERVICE OPTIONS

Spirent's NoCode Implementation and Integration Services include site survey analysis, commissioning of physical switches and servers, as well as interconnection, system provisioning, introductory hands-on training, and optional test environment development assistance. The services are tailored to your system complexity and requirements.

- **NoCode Physical Infrastructure Implementation Services**—Covers most customers' needs for physical lab automation installation, configuration and hands-on training
- **Extended NoCode Implementation & Integration Services**—A collection of packaged and customized services designed for customers who are either new to physical lab automation and need extra support or who have complex lab environment and/or test case campaign deployments that require extensive support. Hands-on training and automation test environment development may be included



NOCODE IMPLEMENTATION SERVICE COMPONENTS

- Site readiness survey
- Installation and configuration of physical environment
- Best-practice fundamentals
- Hands-on knowledge transfer

Site Readiness Survey

The service begins with a site readiness survey which ensures that the target site is prepared for installation of the system. Spirent engineers compile the information they need to complete the job. Site review is essential for identifying and correcting gaps in existing parameters affecting installation.

Installation and Configuration

Spirent performs installation, configuration, and hands-on knowledge transfer to jump-start the user experience of Gale's Lab Manager software and the physical switch.

The installation consists of:

- Verifying delivered equipment
- Installing the physical switch, license, and a firmware check
- Installing Lab Manager and license
- Validating that the Lab Manager software communicates with the physical switch and that it can perform administrative tasks
- Assistance in loading and configuring assets with Lab Manager for utilizing advanced features like device substitution

The configuration consists of:

- Provisioning a number of devices in Lab Manager with proper attribute information like blade/port interconnect protocols and capabilities, console access information, naming convention, and port mappings
- Creating a number of physical layer topologies in Lab Manager

Best-Practice Fundamentals

NoCode Physical Infrastructure Implementation Service includes the following best practices:

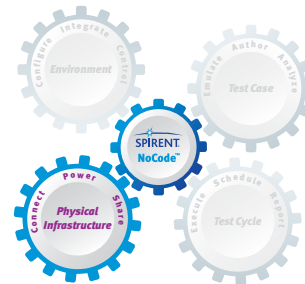
- Central/common resource reservation system
- Utilization reporting for best CapEx/OpEx
- Common naming conventions

Transfer of Information

This phase orients your staff on the product with special focus on the applications related to your custom requirements. Information captured during product commissioning and provisioning is used during training and provided as reference documentation.

Engagement Length

Based on customer requirements, engagements traditionally range from 2 to 5 days.



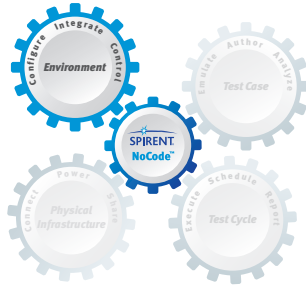
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EXTENDED NOCODE IMPLEMENTATION & INTEGRATION SERVICES

This collection of packaged and customized services is designed for customers who are either new to physical lab automation or who have complex lab environment or test case campaign deployments and require extensive support, hands-on training and assistance with automation test environment development.

NoCode Automation Test Environment Development

Usually delivered in a 3-day service, this offering provides in-depth training, automation test asset development assistance and training on the advanced functionality of your lab management system. Training can be tailored to specific objectives and requirements.



NoCode Integration Service

Also known as a RAP (Rapid Adoption Program), this service supports both the NoCode Test Case and Test Cycle solutions. It is delivered by seasoned Spirent professionals with a broad range of experience in Lab and Test automation and resolving associated challenges for a wide variety of customers around the globe.

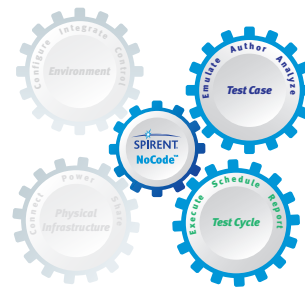
- **Summary:** This 5- or 12-day program for 5 or fewer individuals provides a comprehensive on-site experience using Spirent iTest to design, develop and automate test cases. Students will be able to effectively use iTest to contribute to the overall automation goals. Topics are reinforced by hands-on exercises on customer equipment creating assets and tests for real-life examples
- **Objective:** Train an initial group of users to create power users
- **Intended Audience:** Test engineers, quality assurance engineers, software engineers, customer support engineers, automation/tools leads or technical managers and anyone else who needs to automate manual testing

- **Course Length:** Five-day outline below. Twelve-day and custom program information is available on request
- **Prerequisites:** Understanding of basic networking concepts and equipment. Thorough understanding and administrative access to the device or system under test
- **Course Outline:** Usually customized for each engagement
 - 1/2 day workflow analysis
 - 1 1/2 day product orientation
 - 1 day building real-life tests and reusable assets
 - 1/2 day review of assets and workflow
 - 1 day advanced techniques and features
 - 1/2 day building additional test cases and assets

Focus on NoCode Integration Services Best Practices

Critical efficiencies are delivered with these key practices:

- Source control and central repository
- Centralized database for test reports
- Common naming conventions and project structures
- Libraries of reusable assets
- Data-driven, multi-threaded test cases



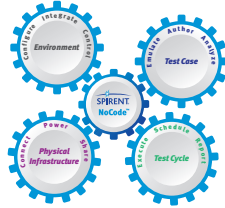
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NOCODE DOMAIN SOLUTIONS FOR LAB AND TEST AUTOMATION

In concert with Spirent's worldwide engineering and Global Services teams, along with best-of-breed technology partners, Spirent has identified four domains with the greatest opportunity for increased efficiency, improved quality, and testing scale, resulting in lower CAPEX/OPEX. Together, we have developed a suite of lab and test automation solutions targeted at solving or minimizing the impact of these challenges today, and into the future. Offered under Spirent's NoCode banner, these solutions correspond precisely with the problem domains faced by those struggling with the cost and complexity of testing. They are:

- NoCode Physical Infrastructure
- NoCode Environment
- NoCode Test Case
- NoCode Test Cycle



IMPLEMENTATION AND INTEGRATION SERVICE CUSTOMERS

Customers successfully helped by Spirent vary among numerous industries served. Those benefiting from Spirent Implementation and Integration Services comprise the military, international telecommunication and wireless companies, service providers and network equipment manufacturers, media and technology enterprises along with aviation/aerospace corporations in the commercial and military sectors.

SPIRENT EXPERTISE

Spirent provides services expertise for all major communications vendors. Our test methodology and automation experts include IETF engineers and RFC authors who have developed many of the industry's acclaimed benchmarks. They help define standards and performance tests for dozens of industry forums and standards bodies.

SERVICE DELIVERY PROCESS

The primary elements of Spirent's highly-acclaimed world-class service delivery process are:

- **Discover:** Gather requirements; perform gap analysis
- **Define:** Create statement of work; present roadmap and resources, illustrate ROI
- **Develop:** Develop test cases; write scripts; develop code
- **Deliver:** Deploy test engineers; manage project; measure and report
- **Debrief:** Refine service optimization; assure customer needs, expectations are met



CONTACT US

Don't wait until your project has already begun, or worse, when you are behind schedule. Contact Spirent now and enlist our Professional Services team to streamline your project. Let our experts help you improve operational productivity and accelerate your time-to-market. Call your Spirent sales representative or visit us on the Web at www.spirent.com.

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