# Spirent **TestCenter**™

## Spirent TestCenter API:
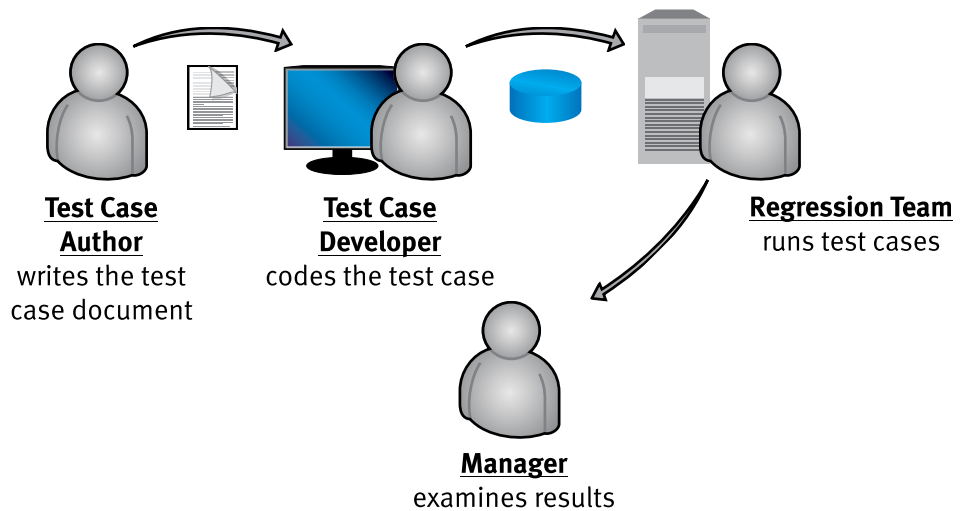## Tcl, Perl, Java, C, C#, C++, Ruby, and Python

The Spirent TestCenter API is a powerful interface for implementing custom test cases in a regression environment. With support for the most popular scripting/programming languages and the most common operating systems, Spirent's API fits your lab's existing environment, accelerating test case development and increasing team productivity.

Spirent TestCenter's API interface is available with Tcl, Perl, Java, C, C#, C++, Ruby and Python language bindings and run-time support on Windows, Linux and FreeBSD. Mirroring the full functionality of the Spirent TestCenter GUI, the Spirent TestCenter API allows the test case developer to automate the testing process for the regression test lab.

Its consistent object-oriented architecture makes the Spirent TestCenter API highly usable, and facilitates code re-use between individuals and teams. The API is fully documented for each scripting/programming language, and several script examples are included to accelerate the test case developer's productivity.

The Spirent TestCenter API provides the best fit for the regression lab, ultimately instilling confidence that your own product's features and performance are achieved with the highest quality, on time, and within budget.

### Scripted Test Cycle



**Test Case Author**
writes the test case document

**Test Case Developer**
codes the test case

**Regression Team**
runs test cases

**Manager**
examines results

# Spirent TestCenter™

**Spirent TestCenter API: Tcl, Perl, Java, C, C#, C++, Ruby, and Python**

## About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We help bring clarity to increasingly complex technological and business challenges.

Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

For more information, visit: www.spirent.com

## Benefits

- Enables custom test case development for automated regression environments
- Accelerates test case creation through a consistent object model
- Eases the development of middleware layers

## Features

- API supports all capabilities available in the Spirent TestCenter GUI via the API
- Support for Tcl, Perl, Java, C, C#, C++, Ruby and Python
- Support for Windows, Linux and FreeBSD

## Target Environments

- Test engineers who code test cases
- Performance test beds requiring high performance scripted test cases
- Regression test beds with complex test scenarios
- Organizations seeking to develop middleware layers encompassing their business processes

| Ordering information for additional supported languages | | |
|---|---|---|
| Language | Operating system(s) | Part number |
| Perl | Windows, BSD, Linux | BPK-1080A |
| Ruby | Windows, Linux | BPK-1151A |
| C/C++ | Windows, Linux | BPK-1152A |
| C# | Windows, Linux | BPK-1305A |
| Java | Windows, Linux | BPK-1153A |
| Python | Windows, Linux | BPK-1154A |
| Tcl | Windows, BSD, Linux | See note 1 below |

*Note 1: Support for Tcl is included as part of the BPK-1001A Packet Generator and Analyzer Base Package A.*

*The table above is provided as a basic guideline, please note that not all versions of each language are supported on all versions of an operating system. For precise information on exactly which language versions are currently supported on which operating systems, please see the Spirent TestCenter release notes, or contact Spirent sales.*

Spirent™
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