APIs are Critical to SmartBear's Customers

In modern enterprises, APIs are the glue that holds mission-critical systems together. APIs are the essential underpinning of emerging technologies in the digital transformation space, like mobile applications, IoT, and rich internet applications.

SmartBear's customers create and consume APIs, and to do it effectively they must be able to:

- **Visualize** what their APIs do

- **Validate** that their APIs function and perform as intended

- **Verify** that their APIs are not introducing security risks

- **Virtualize** their APIs to speed time-to-market and reduce cost

- **Monitor** the performance of their APIs in production to make sure

  they're available and performing well

At SmartBear Software we help our customers address these requirements. SmartBear's ReadyAPI platform equips enterprises with the tools they need to help ensure end-to-end quality of APIs. ReadyAPI delivers function, load and security testing, as well as API virtualization and monitoring.

SmartBear's Customers are Perfectly Positioned to Address Emerging Dynamics in the Industry, Including:

The API Economy

With its roots in SOA, APIs are now at the epicenter of modern application innovation, in areas like web and mobile applications, IoT, and so on. It is the rare application today that does not offer its functionality with APIs and also consume services from other applications via APIs. With SmartBear, our customers get a comprehensive, end-to-end, repeatable strategy to build, test, and monitor their APIs and web-services.

Shift Left

Driven by agile development practices, our customers are increasingly moving significant responsibility for software testing to developers. With this shift comes the increased emphasis on API testing versus UI testing - a dynamic that allows teams to catch and correct errors much earlier in the software lifecycle.

We put our customers in control of a key element of this dynamic.

Continuous Quality

No continuous integration harness is complete without automated testing.

No continuous quality initiative is complete without performance monitoring.

SmartBear's partnership with our customers allows them to more effectively apply these practices across the entire software lifecycle.

API Lifecycle: Quality and Integration

API development is comparable to other applications development processes – teams design, build, test, deploy and monitor their APIs. These activities are enabled by tools that address each of the phases of the lifecycle, but it is important to look at these phases as integrally tied together.

Combining SmartBear products with their own systems; their partners and vendors in the API management space, our customers are in a unique position to deliver an integrated solution for the API lifecycle that - addresses all of its phases.
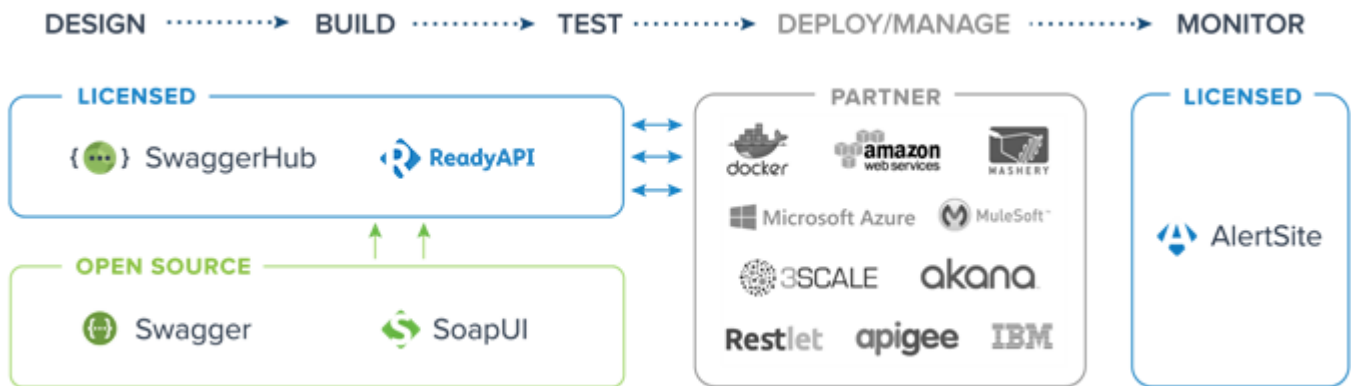
Professionals around the world leverage SmartBear API tools to deliver the industry's highest quality APIs.

Open Source vs. Commercial

As the company behind some of the most widely used open source tools in the API ecosystem, including SoapUI and Swagger, SmartBear is a driving force in in the open source community. These open source tools provide great value, but as teams mature and grow many enterprises see the ReadyAPI as the next logical step in their evolution. With an upgrade to the commercially licensed platform, users take advantage of numerous capabilities including:

- **Data driven testing** – Unlike the open source version, ReadyAPI provides powerful data-driven testing capabilities that save time and drive more robust and realistic testing.

- **Management of multiple environments** – ReadyAPI makes the process of testing in multiple environments painless, managing configuration differences in one central location.

- **Reduced scripting** – With point and click testing, ReadyAPI reduces or eliminates scripting, and helps build and execute both functional and non-functional tests that are more resilient to change.

- **Accelerated development** – ReadyAPI service virtualization capabilities allow teams to accelerate time to market without sacrificing quality, and at the same time reduce cost.

- **Test coverage** - With ReadyAPI teams can quickly assess test coverage, implement both positive and negative tests, and expand testing approach to include non-functional including load and security testing. Users can also extend testing to include performance monitoring of APIs in production.

Functional Test

Load Test

Security

Virtualize

Monitoring

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Customer Success Spotlight

Bisnode Kredit

With an easy-to-use graphical interface, ReadyAPI allows Bisnode Kredit application developers to rapidly create and execute automated Web Services, REST services, and load tests within a single quality platform using SoapUI Pro and other SmartBear tools.

- **Attracts more customers** by enabling non-technical and technical end users to run tests on integrated applications

- **Retains existing customers** by allowing internal developers to identify application performance issues

- **Provides version control** on new releases so work completed with older versions remains functional within new versions

> *SoapUI Pro helps drive revenue for us by making it much easier for our customers to use our integration solutions. The software also helps us retain customers by serving as a strategic tool for integration testing. We can ensure any applications we roll out to our customers are ready to perform at the levels our customers require.*

- Mattias Oldenburg, System Architect, Bisnode Kredit

Liason Technologies

ReadyAPI streamlines testing of the application program interfaces (APIs) that play a critical role in the integration and data management solutions Liaison Technologies provides to its customers. Developers and QA engineers use SoapUI Pro to:

- **Reduce testing time** by as much as 50 percent

- **Test both SOAP and REST APIs** in the same intuitive platform

- **Validate both API input and output** data dynamically

> *SoapUI Pro ultimately helps us develop higher-quality software products compared to our competitors. Because we can conduct more tests over a shorter time frame, we can also bring our applications to market faster than our competitors. By making sure applications run better, we can ultimately ensure our customers have a better experience interacting with our applications.*

- Nital Patel, QA Manager, Liason Technologies

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SoapUI Pro

Make Sure Your API Works as Intended

Based on the solid technology of SoapUI, the world's most widely used API testing tool, SoapUI Pro gives you a variety of options for making sure your API is ready for integration.

- **Create ad-hoc and automated tests** to validate your API's expected behavior, then add assertions and property transfers to make your tests more complex and intelligent.
- **Leverage data driven testing** techniques to connect data sources and iterate through various data sets in order to simulate different scenarios.
- **Let SoapUI Pro do the heavy lifting** by refactoring your tests when your API changes.
- **Discover APIs by recording HTTP(s) traffic** and filtering the results to pull out the API transactions you care most about, using SoapUI Pro to generate tests for those transactions.

LoadUI Pro

Verify Your API's Performance Under Load

Load testing your API is an important step in making sure that the end user experience is a positive one. Applications that are dependent on your API need to know that your service can withstand the volumes they are expecting.

- **Re-use your existing functional tests** as the foundation for creating different load scenarios without any rework needed to the basic tests.
- **Run load tests simultaneously**, using different strategies and volumes, to see how different traffic patterns interact with each other and your API.
- **Add assertions to force failures** after certain amounts of time or request volume.

Secure Pro

Make Sure Your APIs are Safe from Hackers

Your API isn't ready if it isn't secure. ReadyAPI includes basic security testing so you can validate that none of the standard attacks will work against your API.

- **Create security tests** from the ground up that perform specific actions like SQL injection, cross-site scripting, boundary scans, etc.
- **Use our built-in security tests** to jump-start your testing – just select the test you want and a few configuration details.
- **Use our test generator to automatically build a complete set of security tests** that try to break your API using a variety of techniques.

ServiceV Pro

ServiceV Pro and VirtServer - API Service Virtualization Made Easy

- **Free your developers and testers from dependence** on direct access to APIs by creating virtual services.
- **With ServiceV Pro, run as many virts** as you need locally so you can continue building and testing even when the APIs you need are costly or unavailable.
- **Simulate various server and network conditions** and set specific error responses to validate your application's behavior under sub-optimal conditions.
- **Add the VirtServer to collaborate across teams**, sharing virts between multiple projects/teams to save time and money.
- **Enable partner innovation** by providing access to virts hosted on one or more VirtServers.

ReadyAPI is the only API quality management tool you'll ever need. Read more about it at: www.smartbear.com/ready-api

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