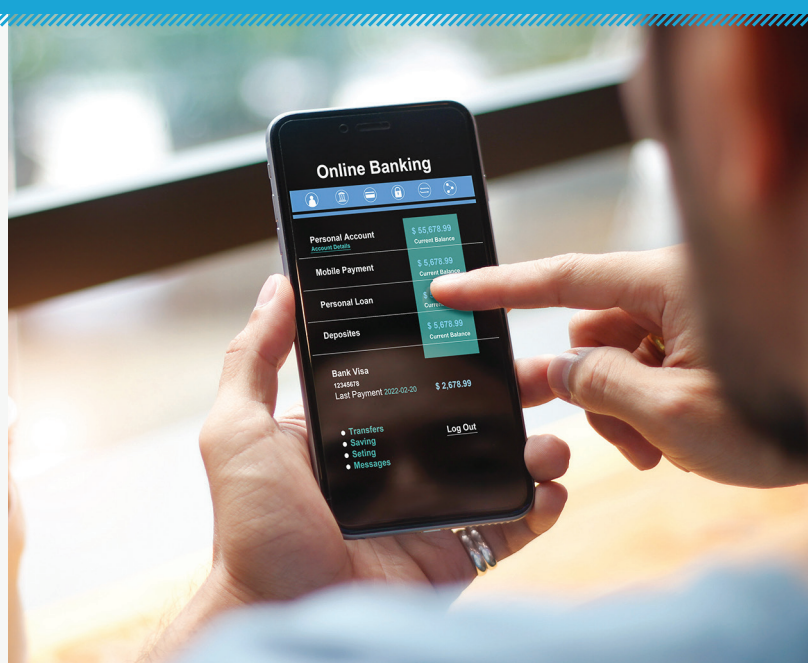


Business-driven API Testing Automation

Accelerate your path to microservices and fortify your CI/CD pipeline with API Fortress



EXECUTIVE SUMMARY

Challenge

Banks and financial services industry (FSI) organizations are not unlike other enterprises taking journeys toward architecture modernization (from monolithic stacks to microservices), and ultimately to digital transformation in which data becomes more usable. FSI organizations are uniquely challenged to innovate as rapidly as the rest of the business world – without losing control over the financial data chain, and maximizing security.

Solution

Full lifecycle automated API testing is critical for digital transformation. API Fortress was built from the ground up for complete API testing coverage that unifies regression and functional testing, as well as mocking and powerful collaboration to streamline and simplify testing workflows without sacrificing security. This allows developers and enterprise architects to focus on the big picture.

With API testing workflows simplified, dev and QA teams can implement significantly more efficient and reliable workflows for DevOps, Test-Driven Development (TDD) and Behavior-Driven Development (BDD).

“We wanted to have an agile approach to testing APIs, and API Fortress tests were more reliable than the integration tests written in code.”

Fatima Maniyar, Software Quality Engineer at Salesforce

KEY BENEFITS



Workflow Simplicity

Allow developers and testers of all skill levels to work in parallel and collaborate working from their current tools



API Testing Automation

Eliminate human error and adopt continuous testing throughout the software development lifecycle (SDLC)



Functional Testing

Maximize speed and veracity with functional testing built from day one for automation, faster regression testing, and reuse in CI/CD workflows



Advanced Mocking

Record traffic from any app, microservice or website to instantly auto-generate an API mock while an app is still in development or services are unavailable



Data Security

Maintain control over the financial data chain with flexible deployments: 100% on-premises or hybrid cloud

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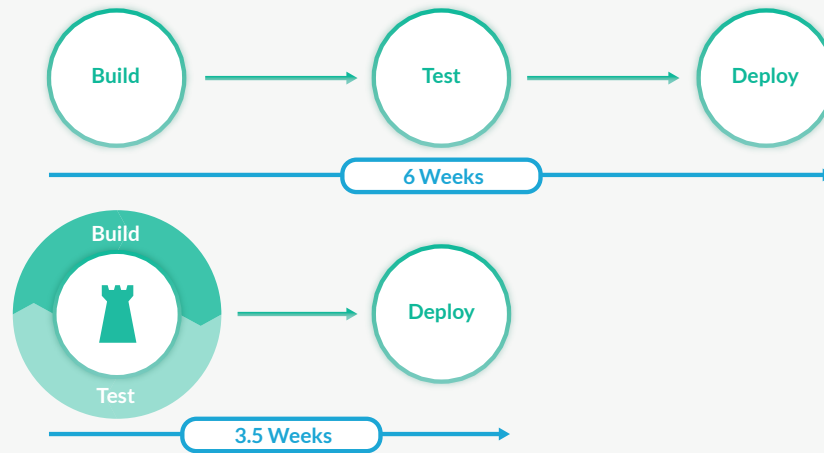
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API FORTRESS: TOOLS AND A COMPLETE PLATFORM FOR API TESTING

Accelerate releases with parallel development and testing



“FSI organizations should standardize API testing on a single end-to-end platform to help maintain control over the financial data exposure. When combining Axway with API Fortress business owners can deliver new APIs quicker, safer, and with more confidence.”

Axel Grosse
VP Innovation

With API Fortress, developers and testers can benefit from the simplicity and power of a unified workflow to build test-driven products with business case validation. Whether preferring to use command-line tooling or the GUI, developers and testers can seamlessly collaborate on creating test cases. Generate tests, then edit tests in the GUI or your own IDE, then execute those tests against any environment using scheduling or your CI/CD pipeline. You can even virtualize APIs to allow testers to build test cases before the APIs are even live.

Automation and Workflow Simplicity

- › Automate API test creation and execution from a GUI or command-line
- › Accelerate the transformation from monolithic architecture to microservices by having devs work with QAs to expedite the test creation and automation process
- › Easily run tests against any environment, improving efficiencies and collaboration
- › Gain visibility into API testing by having all test results from CI, manual runs, and developers’ tests within one dashboard. Results can also be exported by API to any test case manager or data platform in real time.

“API Fortress reset our expectations of what a testing platform can do. We’ve shifted mindsets from ‘what can be tested’ to ‘why aren’t we testing everything?’”

Nick Herbold, QA Manager at LevelUp

Functional Testing (on-prem & cloud)

- › Improve collaboration via a hybrid cloud platform that works for both developers and testers
- › Select from over 65 assertions specifically built to validate objects and the data associated with them
- › Easily leverage dynamic or fixed data sources (APIs, DBs, CSVs, JSON, XML, etc.) as test data in your robust integration tests
- › Augment functionality of existing platforms and tools to execute robust API tests and auto-generate API tests

Mocking (on-prem)

- › Allow the parallel creation of API tests while APIs are still being developed
- › Meet the “sweet spot” of price and capabilities to optimize speed and collaboration
- › Mock paid 3rd-party APIs such as Salesforce and Google Maps to save costs during development
- › Mock internal APIs to avoid downtime due to unreliable internal staging environments
- › Easily create scenarios to test every potential response of an API

Data Security

- › Can be deployed entirely on-premises with access to all environments
- › Complete data and results ownership remain within an FSI organization’s environment