

## (Defensics SDK)

### Future-proof your software to prevent exploitations

The ever-changing software development landscape adds new technology stacks and increases attack surfaces, requiring new approaches to application security. Our Fuzz Testing Software Development Kit (Defensics SDK) future-proofs the security of your software by uncovering dangerous unknown vulnerabilities that are exploitable through uncommon, custom, or proprietary protocols.

Fuzz Testing SDK is a fuzzing framework that enables organizations to develop their own test suites for uncommon, custom, or proprietary protocols and file format parsers.

Fuzz Testing SDK extends and deepens the capabilities of Synopsys Fuzz Testing (Defensics). Complement our 250+ pre-built test suites with custom test suites you've developed, transforming Synopsys Fuzz Testing from a special-purpose fuzzing tool to a general-purpose fuzzing solution. Your custom test suites and our off-the-shelf test suites work seamlessly within the same framework, whether you're operating our fuzzer from the GUI or integrating it into a CI environment.

Fuzz Testing SDK draws on the capabilities of Synopsys Fuzz Testing (Defensics), which contains deep knowledge on network protocols, file formats, and interfaces, to not only generate test cases for you but also define how you'll deliver them. All you need to do is define your protocol structure and state machine, and the SDK will determine the best misuse cases for your protocol, how to deliver the test cases, and the feedback to monitor for.

We provide ease of use without limiting usability. The SDK allows advanced programmers to reconfigure or redefine test cases, delivery formats, and monitoring techniques, so you can tailor your custom test suites to fit your specific needs.

