

# Echidna Tutorial: #2 Fuzzing with Assertion Testing Mode

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Echidna is a powerful tool for testing and verifying smart contracts, utilizing assertions, events, and fuzz testing to uncover hidden vulnerabilities and ensure the integrity of blockchain-based applications.

It emerges as a powerful tool for testing and verifying smart contracts, offering a comprehensive approach to detecting and preventing potential issues.

In this chapter, we are learning how to run Echidna tests in Assertion mode, how it can be done, and other tips to consider.