

This demo is mainly possible through recent projects like Puffer Finance ["RAVE"](#), which are Solidity smart contract implementations of verifiers for SGX remote attestation. We'll walk through an end to end example, starting from the verifier and working backward.

- [Live instance of the smart contract on Sepolia]<https://sepolia.etherscan.io/address/0x290ca2ccf25b63521d3297d48b4ea2aaca2cbebb#readContract>
- Forge environment for this smart contract [GitHub - amiller/gramine-forge](#)
- A Gramine project for the enclave used in this post [GitHub - amiller/gramine-dummy-attester](#)

The contract comes with a utility that decodes an encoded attestation. Essentially this is the Solidity equivalent of the "[gramine-sgx-quote-view](#)" utility from Gramine. You can use the "[Read Contract](#)" [tab of Etherscan](#) to query it. Here's an example response from decodeAttestation

Answering any of these questions requires deeper understanding of SGX to solve... but, it may only require writing more Solidity code.

The main takeaway from this demonstration is that verifying remote attestations is a naturally on-chain activity. The availability of Solidity libraries for verifying remote attestations now makes Solidity a very plausible way to define remote attestation policies.