

SecureJS



chrome

User inputs



• I/O communication

Host application

- I/O communication
- Enclave management

JavaScript component

Remote attestation component

Cryptographic component



JavaScript code

JavaScript result

Remote attestation

Extra

Encryption tools

- Encrypt data
- Decrypt data

Signature tools

- Sign data
- Verify data

Remote attestation server

- Perform Intel's EPID protocol
- Manage the exchanged keys

Legend



Communication



Mandatory



Optional



Chrome extension



SGX enclave