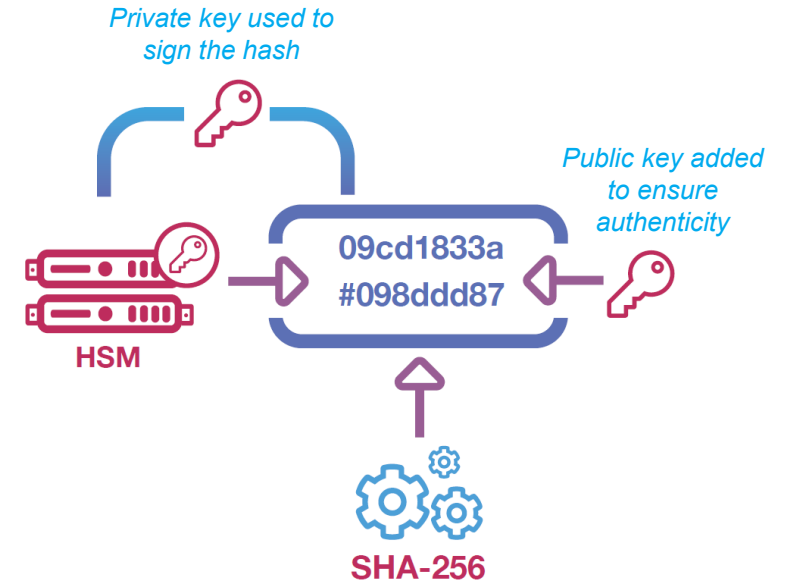
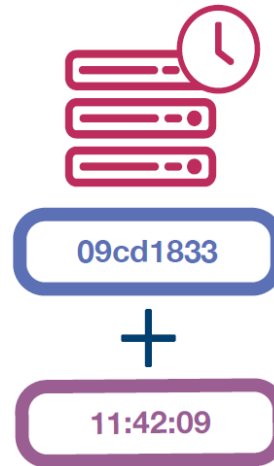
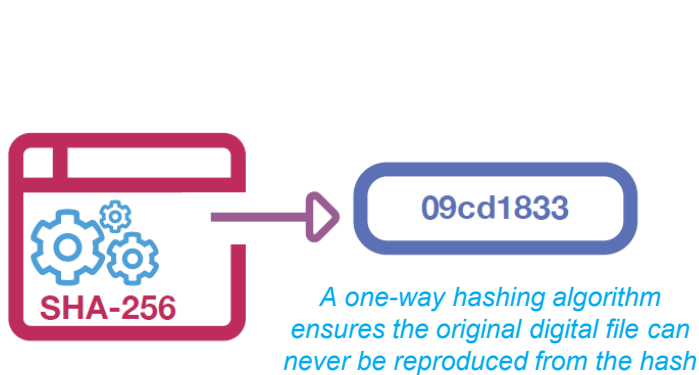


# What is a WIPO PROOF token and how is it verified ?



# What is a WIPO PROOF token?



The client-side browser generates a unique digital fingerprint (hash) of the original digital file using the strong one-way hashing algorithm SHA-2 (256bit). The original digital file always remains on the client side and only its hash is uploaded to WIPO PROOF.

WIPO PROOF's audited and high-integrity backend system timestamps the hash of the original digital file. The hardware-based time source used to timestamp the hash is synchronized to the Coordinated Universal Time (UTC).

The hash is signed with the private key stored in a locked-down Hardware Security Module (HSM) certified to FIPS-140 level 3 standard, creating a digital signature. A public key is added to the digital signature to ensure authenticity. All this information is encrypted in a .TSR file which represents the trusted proof of existence that the file existed at the moment it was processed in WIPO PROOF.

# How is a WIPO PROOF token verified?

WIPO PROOF complies with standard PKI-based timestamp verification

