

Crypto Adapter Reference

Tagged Values (<<Crypto>>)

Attribute	Description	Allowed Values	
action	Supply the action you want to perform.	createKeys	Create a private/public key pair.
		createSignature	Create a signature with a given key.
		verifySignature	Verify a signature against a given key.
		createHash	Create a hash value of a given blob.
digestAlgorithm	Supply the digest algorithm for generating a hash.	blake2b512, blake2s256, md4, md5, md5-sha1, mdc2, ripemd, ripemd160, sha1, sha224, sha256, sha3-224, sha3-256, sha3-384, sha3-512, sha384, sha512, sha512-224, sha512-256, shake128, shake256, sm3, ssl3-md5, ssl3-sha1, whirlpool	Use the specified algorithm with action createHash . Default if not set is sha1 .

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Parameters

createKeys

Name	Type	Direction	Description
privateKey	Blob	out	Returns the generated private key.
publicKey	Blob	out	Returns the generated public key.

createSignature

Name	Type	Direction	Description
data	Blob	in	Specify the data that should be signed.
privateKey	Blob	in	Specify the private key to generate the signature from.
signature	Blob	out	Returns the generated signature.

verifySignature

Name	Type	Direction	Description
data	Blob	in	Specify the data to verify the signature against.
publicKey	Blob	in	Specify the public key to verify the signature against.
signature	Blob	in	Specify the signature to verify

createHash

Name	Type	Direction	Description	Allowed Values	
algorithm	String	in	Specify the algorithm you want to use for hashing.	Not supplied	Use the algorithm defined in tagged value digestAlgorithm of the <<Crypto>> adapter.

				blake2b512, blake2s256, md4, md5, md5- sha1, mdc2, ripemd, ripemd160, sha1, sha224, sha256, sha3-224, sha3- 256, sha3-384, sha3-512, sha384, sha512, sha512-224, sha512-256, shake128, shake256, sm3, ssl3-md5, ssl3- sha1, whirlpool	Use the specified algorithm to generate the hash.
data	Blob	in	Specify the data to create the hash value from.		
hash	Blob	out	Returns the generated hash.		