

IFHERC20

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Interface of the ERC-20 standard as defined in the ERC.

TransferEncrypted

event TransferEncrypted(address from, address to) _Emitted whenvalue tokens are moved from one account (from) to another (to).

Note thatvalue may be zero._

ApprovalEncrypted

event ApprovalEncrypted(address owner, address spender) Emitted when the allowance of aspenders for anowner is set by a call to[approveEncrypted](#) .value is the new allowance.

balanceOfEncrypted

function balanceOfEncrypted(address account, struct Permission auth) external view returns (bytes) Returns the value of tokens owned byaccount , sealed and encrypted for the caller.

transferEncrypted

function transferEncrypted(address to, struct inEuint32 value) external returns (euint32) _Moves avalue amount of tokens from the caller's account toto .

Returns a boolean value indicating whether the operation succeeded.

Emits aTransferEncrypted event._

transferEncrypted

function transferEncrypted(address to, euint32 value) external returns (euint32)

allowanceEncrypted

function allowanceEncrypted(address spender, struct Permission permission) external view returns (bytes) _Returns the remaining number of tokens thatspender will be allowed to spend on behalf ofowner through[transferFromEncrypted](#) . This is zero by default.

This value changes when[approveEncrypted](#) or[transferFromEncrypted](#) are called._

approveEncrypted

function approveEncrypted(address spender, struct inEuint32 value) external returns (bool) _Sets avalue amount of tokens as the allowance ofspender over the caller's tokens.

Returns a boolean value indicating whether the operation succeeded.

IMPORTANT: Beware that changing an allowance with this method brings the risk that someone may use both the old and the new allowance by unfortunate transaction ordering. One possible solution to mitigate this race condition is to first reduce the spender's allowance to 0 and set the desired value afterwards:<https://github.com/ethereum/EIPs/issues/20#issuecomment-263524729>

Emits anApprovalEncrypted event._

transferFromEncrypted

function transferFromEncrypted(address from, address to, struct inEuint32 value) external returns (euint32) _Moves avalue amount of tokens fromfrom toto using the allowance mechanism.value is then deducted from the caller's allowance.

Returns a boolean value indicating whether the operation succeeded.

Emits aTransferEncrypted event._

transferFromEncrypted

function transferFromEncrypted(address from, address to, uint32 value) external returns (uint32) [Edit this page](#)

[Previous FHERC20](#) [Next eAddress](#)