
SICOS Token Platform

SICOS

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KeyRecoverable

KeyRecoverable

Constant functions

keyRecoverer

Inputs

none

Returns

#	Param	Type	TypeHint	Description
0	return0	address		keyRecoverer

owner**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	address		owner

State changing functions**recoverKey**

Recover key

Inputs

#	Param	Type	TypeHint	Description
0	_oldAddress	address		An Ethereum address
1	_newAddress	address		An Ethereum address

setKeyRecoverer

Set key recoverer

Inputs

#	Param	Type	TypeHint	Description
0	_newKeyRecoverer	address		An Ethereum address

transferOwnership

Allows the current owner to transfer control of the contract to a newOwner.

Inputs

#	Param	Type	TypeHint	Description
0	newOwner	address		The address to transfer ownership to.

Events**OwnershipTransferred****Params**

#	Param	Type	TypeHint	Description
0	previousOwner	address		
1	newOwner	address		

KeyRecovererChanged

Log entry on key recoverer changed

Params

#	Param	Type	TypeHint	Description
0	newKeyRecoverer	address		An Ethereum address

KeyRecovered

Log entry on key recovered

Params

#	Param	Type	TypeHint	Description
0	oldAddress	address		An Ethereum address
1	newAddress	address		An Ethereum address

Enums**Structs****KeyRecoverer****SicosToken****Constant functions****indices****Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	mapping		indices

owner**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	address		owner

tokens

Inputs

#	Param	Type	TypeHint	Description
0	index	uint		

Returns

#	Param	Type	TypeHint	Description
0	return0	address		

State changing functions

addToken

Register a key recoverable token

Inputs

#	Param	Type	TypeHint	Description
0	_token	address		Ethereum address of token contract instance

checkTokens

Check if this instance is the keyRecoverer of all registered tokens.

Inputs

none

containsToken

Check if a token is registered here

Inputs

#	Param	Type	TypeHint	Description
0	_token	address		Ethereum address of token contract instance

recoverKey

Recover key for an investor in all tokens that are registered here

Inputs

#	Param	Type	TypeHint	Description
0	_oldAddress	address		Old Ethereum address of the investor
1	_newAddress	address		New Ethereum address of the investor

removeToken

Unregister a key recoverable token

Inputs

#	Param	Type	TypeHint	Description
0	_token	address		Ethereum address of token contract instance

transferOwnership

Allows the current owner to transfer control of the contract to a newOwner.

Inputs

#	Param	Type	TypeHint	Description
0	newOwner	address		The address to transfer ownership to.

Events**OwnershipTransferred****Params**

#	Param	Type	TypeHint	Description
0	previousOwner	address		
1	newOwner	address		

Enums**Structs****Migrations****Migrations****Constant functions****last_completed_migration****Inputs**

none

Returns

#	Param	Type	TypeHint	Description
0	return0	uint		last_completed_migration

owner**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	address		owner

State changing functions**setCompleted****Inputs**

#	Param	Type	TypeHint	Description
0	completed	uint		

upgrade**Inputs**

#	Param	Type	TypeHint	Description
0	new_address	address		

Events**Enums****Structs****ProfitSharing****ProfitSharing****Constant functions****accounts****Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	mapping		accounts

owner**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	address		owner

profitDepositor**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	address		profitDepositor

totalProfits**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	uint		totalProfits

totalSupplyIsFixed**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	bool		totalSupplyIsFixed

State changing functions

depositProfit

Deposit profit

Inputs

none

profitShareOwing

Profit share owing

Inputs

#	Param	Type	TypeHint	Description
0	_investor	address		An Ethereum address

setProfitDepositor

Change profit depositor

Inputs

#	Param	Type	TypeHint	Description
0	_newProfitDepositor	address		An Ethereum address

transferOwnership

Allows the current owner to transfer control of the contract to a newOwner.

Inputs

#	Param	Type	TypeHint	Description
0	newOwner	address		The address to transfer ownership to.

updateProfitShare

Update profit share

Inputs

#	Param	Type	TypeHint	Description
0	_investor	address		An Ethereum address

withdrawProfitShare

Withdraw profit share

Inputs

none

Events

OwnershipTransferred

Params

#	Param	Type	TypeHint	Description
0	previousOwner	address		
1	newOwner	address		

ProfitDepositorChanged**Params**

#	Param	Type	TypeHint	Description
0	newProfitDepositor	address		

ProfitDeposited

Log entry on profit deposited

Params

#	Param	Type	TypeHint	Description
0	depositor	address		An Ethereum address
1	amount	uint		A positive number

ProfitShareUpdated

Log entry on profit share updated

Params

#	Param	Type	TypeHint	Description
0	investor	address		An Ethereum address
1	amount	uint		A positive number

ProfitWithdrawal

Log entry on profit withdrawal

Params

#	Param	Type	TypeHint	Description
0	investor	address		An Ethereum address
1	amount	uint		A positive number

Enums**Structs****InvestorAccount****Params**

#	Param	Type	TypeHint	Description
0	balance	uint		
1	lastTotalProfits	uint		
2	profitShare	uint		

SicosCrowdsale**SicosCrowdsale****Constant functions****cap****Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	uint256		cap

closingTime**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	uint256		closingTime

isFinalized**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	bool		isFinalized

openingTime**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	uint256		openingTime

owner

Inputs

none

Returns

#	Param	Type	TypeHint	Description
0	return0	address		owner

rate

Inputs

none

Returns

#	Param	Type	TypeHint	Description
0	return0	uint256		rate

token

Inputs

none

Returns

#	Param	Type	TypeHint	Description
0	return0	ERC20		token

wallet

Inputs

none

Returns

#	Param	Type	TypeHint	Description
0	return0	address		wallet

weiRaised

Inputs

none

Returns

#	Param	Type	TypeHint	Description
0	return0	uint256		weiRaised

State changing functions

buyTokens

low level token purchase DO NOT OVERRIDE

Inputs

#	Param	Type	TypeHint	Description
0	_beneficiary	address		Address performing the token purchase

capReached

Checks whether the cap has been reached.

Inputs

none

finalize

Must be called after crowdsale ends, to do some extra finalization work. Calls the contract's finalization function.

Inputs

none

hasClosed

Checks whether the period in which the crowdsale is open has already elapsed.

Inputs

none

fallback function DO NOT OVERRIDE

Inputs

none

setRate

Set rate

Inputs

#	Param	Type	TypeHint	Description
0	_newRate	uint		A positive number

transferOwnership

Allows the current owner to transfer control of the contract to a newOwner.

Inputs

#	Param	Type	TypeHint	Description
0	newOwner	address		The address to transfer ownership to.

Events**TokenPurchase**

Event for token purchase logging

Params

#	Param	Type	TypeHint	Description
0	purchaser	address		who paid for the tokens
1	beneficiary	address		who got the tokens
2	value	uint256		weis paid for purchase
3	amount	uint256		amount of tokens purchased

OwnershipTransferred**Params**

#	Param	Type	TypeHint	Description
0	previousOwner	address		
1	newOwner	address		

Finalized**Params**

none

RateChanged

Log entry on rate changed

Params

#	Param	Type	TypeHint	Description
0	oldRate	uint		A positive number
1	newRate	uint		A positive number

Enums**Structs**

Whitelist

Whitelist

Constant functions

admins

Inputs

none

Returns

#	Param	Type	TypeHint	Description
0	return0	mapping		admins

isWhitelisted

Inputs

none

Returns

#	Param	Type	TypeHint	Description
0	return0	mapping		isWhitelisted

owner

Inputs

none

Returns

#	Param	Type	TypeHint	Description
0	return0	address		owner

State changing functions

addAdmin

Add admin

Inputs

#	Param	Type	TypeHint	Description
0	_admin	address		An Ethereum address

addToWhitelist

Add to whitelist

Inputs

#	Param	Type	TypeHint	Description
0	_investors	address		A list where each entry is an Ethereum address

removeAdmin

Remove admin

Inputs

#	Param	Type	TypeHint	Description
0	_admin	address		An Ethereum address

#	Param	Type	TypeHint	Description
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removeFromWhitelist

Remove from whitelist

Inputs

#	Param	Type	TypeHint	Description
0	_investors	address		A list where each entry is an Ethereum address

transferOwnership

Allows the current owner to transfer control of the contract to a newOwner.

Inputs

#	Param	Type	TypeHint	Description
0	newOwner	address		The address to transfer ownership to.

Events

OwnershipTransferred

Params

#	Param	Type	TypeHint	Description
0	previousOwner	address		
1	newOwner	address		

AdminAdded

Log entry on admin added

Params

#	Param	Type	TypeHint	Description
0	admin	address		An Ethereum address

AdminRemoved

Log entry on admin removed

Params

#	Param	Type	TypeHint	Description
0	admin	address		An Ethereum address

InvestorAdded

Log entry on investor added

Params

#	Param	Type	TypeHint	Description
0	admin	address		An Ethereum address
1	investor	address		An Ethereum address

InvestorRemoved

Log entry on investor removed

Params

#	Param	Type	TypeHint	Description
0	admin	address		An Ethereum address
1	investor	address		An Ethereum address

Enums**Structs****Whitelisted****Whitelisted****Constant functions****owner****Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	address		owner

whitelist**Inputs***none***Returns**

#	Param	Type	TypeHint	Description
0	return0	Whitelist		whitelist

State changing functions

setWhitelist

Set whitelist

Inputs

#	Param	Type	TypeHint	Description
0	_newWhitelist	address		An Ethereum address

transferOwnership

Allows the current owner to transfer control of the contract to a newOwner.

Inputs

#	Param	Type	TypeHint	Description
0	newOwner	address		The address to transfer ownership to.

Events

OwnershipTransferred

Params

#	Param	Type	TypeHint	Description
0	previousOwner	address		

#	Param	Type	TypeHint	Description
1	newOwner	address		

WhitelistChanged

Log entry on whitelist changed

Params

#	Param	Type	TypeHint	Description
0	newWhitelist	address		An Ethereum address

Enums

Structs