ERC1155

Functions

constructor - read

See {_setURI}.

Name	Type	Description
uri_	string	

Returns:

No parameters

balanceOf - read

See {IERC1155-balanceOf}. Requirements: - `account` cannot be the zero address.

Name	Type	Description
account	address	
id	uint256	

Returns:

Name	Type	Description
	uint256	

balanceOfBatch - read

See {IERC1155-balanceOfBatch}. Requirements: - `accounts` and `ids` must have the same length.

Name	Type	Description
accounts	address[]	
ids	uint256[]	

Returns:

Name	Type	Description
	uint256[]	

isApprovedForAll - read

See {IERC1155-isApprovedForAll}.

Name	Type	Description
account	address	
operator	address	

Returns:

Name	Type	Description
	bool	

mint - read

Creates `amount` tokens of token type `id`, and assigns them to `account`. Emits a {TransferSingle} event. Requirements: - `account` cannot be the zero address. - If `account` refers to a smart contract, it must implement {IERC1155Receiver-onERC1155Received} and return the acceptance magic value.

Name	Type	Description
account	address	
id	uint256	
amount	uint256	
data	bytes	

Returns:

No parameters

owner - read

Returns the address of the current owner.

No parameters

Returns:

Name	Type	Description

Name	Type	Description
	address	

readData - read

See `IERC1948.readData`. Requirements: - `tokenId` needs to exist.

Name	Type	Description
tokenId	uint256	

Returns:

Name	Type	Description
	bytes	

renounceOwnership - read

Leaves the contract without owner. It will not be possible to call `onlyOwner` functions anymore. Can only be called by the current owner. NOTE: Renouncing ownership will leave the contract without an owner, thereby removing any functionality that is only available to the owner.

No parameters

Returns:

No parameters

safeBatchTransferFrom - read

See {IERC1155-safeBatchTransferFrom}.

Name	Type	Description
from	address	
to	address	
ids	uint256[]	
amounts	uint256[]	
data	bytes	

Returns:

No parameters

safeTransferFrom - read

See {IERC1155-safeTransferFrom}.

Name	Type	Description
from	address	
to	address	
id	uint256	
amount	uint256	
data	bytes	

Returns:

No parameters

setApprovalForAll - read

See {IERC1155-setApprovalForAll}.

Name	Type	Description
operator	address	
approved	bool	

Returns:

No parameters

setURI - read

Sets a new URI for all token types, by relying on the token type ID substitution mechanism https://eips.ethereum.org/EIPS/eip-1155#metadata[defined in the EIP]. By this mechanism, any occurrence of the `\{id\}` substring in either the URI or any of the amounts in the JSON file at said URI will be replaced by clients with the token type ID. For example, the `https://token-cdn-domain/\{id\}.json` URI would be interpreted by clients as `https://token-cdn-domain/000000000000000000000000000000000000000000000000000000000004cce0.json` for token type ID 0x4cce0. See {uri}. Because these URIs cannot be meaningfully represented by the {URI} event, this function emits no events.

Name	Type	Description
newuri	string	

Returns:

No parameters

supportsInterface - read

See {IERC165-supportsInterface}.

Name	Type	Description
interfaceId	bytes4	

Returns:

Name	Type	Description
	bool	

transferOwnership - read

Transfers ownership of the contract to a new account (`newOwner`). Can only be called by the current owner.

Name	Type	Description
newOwner	address	

Returns:

No parameters

uri - read

See {IERC1155MetadataURI-uri}. This implementation returns the same URI for *all* token types. It relies on the token type ID substitution mechanism https://eips.ethereum.org/EIPS/eip-1155#metadata[defined in the EIP]. Clients calling this function must replace the `\{id\}` substring with the actual token type ID.

Name	Type	Description
	uint256	

Returns:

Name	Type	Description
	string	