IERC1155

Functions

balanceOf - read

Returns the amount of tokens of token type `id` owned by `account`. Requirements: - `account` cannot be the zero address.

Name	Type	Description
account	address	
id	uint256	

Returns:

Name	Type	Description
	uint256	

balanceOfBatch - read

xref:ROOT:erc1155.adoc#batch-operations[Batched] version of {balanceOf}. Requirements: - `accounts` and `ids` must have the same length.

Name	Type	Description
accounts	address[]	
ids	uint256[]	

Returns:

Name	Type	Description
	uint256[]	

isApprovedForAll - read

Returns true if `operator` is approved to transfer ``account``'s tokens. See {setApprovalForAll}.

Name	Type	Description
account	address	
operator	address	

Returns:

Name	Type	Description
	bool	

safeBatchTransferFrom - read

xref:ROOT:erc1155.adoc#batch-operations[Batched] version of {safeTransferFrom}. Emits a {TransferBatch} event. Requirements: - `ids` and `amounts` must have the same length. - If `to` refers to a smart contract, it must implement {IERC1155Receiver-onERC1155BatchReceived} and return the acceptance magic value.

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

Returns:

No parameters

safeTransferFrom - read

Transfers `amount` tokens of token type `id` from `from` to `to`. Emits a {TransferSingle} event. Requirements: - `to` cannot be the zero address. - If the caller is not `from`, it must be have been approved to spend ``from``'s tokens via {setApprovalForAll}. - `from` must have a balance of tokens of type `id` of at least `amount`. - If `to` refers to a smart contract, it must implement {IERC1155Receiver-onERC1155Received} and return the acceptance magic value.

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

Returns:

No parameters

setApprovalForAll - read

Grants or revokes permission to `operator` to transfer the caller's tokens, according to `approved`, Emits an {ApprovalForAll} event. Requirements: - `operator` cannot be the caller.

Name	Type	Description
operator	address	
approved	bool	

Returns:

No parameters

supportsInterface - read

Returns true if this contract implements the interface defined by `interfaceId`. See the corresponding https://eips.ethereum.org/EIPS/eip-165#how-interfaces-are-identified[EIP section] to learn more about how these ids are created. This function call must use less than 30 000 gas.

Name	Type	Description
interfaceId	bytes4	

Returns:

Name	Type	Description
	bool	