

ERC-721 Contract State

`_owners`

`mapping(uint256 => address)`

`tokenId -> owner`

`_balances`

`mapping(address => uint256)`

`owner -> count`

`_tokenApprovals`

`mapping(uint256 => address)`

`tokenId -> approved`

`_operatorApprovals`

`mapping(addr => addr => bool)`

`owner -> op -> bool`

All mappings provide $O(1)$ lookup time