

TOKEN ERC-20

Link para o Contrato Troco Selic [aqui](#) e para o [token](#)

The screenshot displays the Remix Ethereum IDE interface. The top bar shows the project name "Troco Selic (TS26) Token Tracker". The left sidebar contains the "DEPLOY & RUN TRANSACTIONS" panel, which is currently set to the "Injected Provider" environment. The "ACCOUNT" field shows the address "0x7aF...96280 (0.18149032)". The "GAS LIMIT" is set to "3000000" and the "VALUE" is "0 Wei". The "CONTRACT" field shows "TrocoSelic - contract-63ce883a2e.sol". The "Deploy" button is highlighted, and the "Publish to IPFS" checkbox is unchecked. The "At Address" button is also visible.

The main editor displays the Solidity code for the "TrocoSelic" contract, which is an ERC-20 token implementation. The code includes imports for the ERC20, ERC20Pausable, Ownable, and ERC20Permit contracts. The contract is defined as "TrocoSelic" and inherits from these contracts. The constructor takes an "initialOwner" address and sets the token name to "Troco Selic" and the symbol to "TS26". The contract includes functions for pausing, unpausing, and minting tokens.

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.20;
3
4 import "@openzeppelin/contracts@5.0.0/token/ERC20/ERC20.sol";
5 import "@openzeppelin/contracts@5.0.0/token/ERC20/extensions/ERC20Pausable.sol";
6 import "@openzeppelin/contracts@5.0.0/access/Ownable.sol";
7 import "@openzeppelin/contracts@5.0.0/token/ERC20/extensions/ERC20Permit.sol";
8
9 contract TrocoSelic is ERC20, ERC20Pausable, Ownable, ERC20Permit {
10     constructor(address initialOwner) {
11         ERC20("Troco Selic", "TS26");
12         Ownable(initialOwner);
13         ERC20Permit("Troco Selic");
14     }
15     _mint(msg.sender, 1000000 * 10 ** decimals());
16 }
17
18 function pause() public onlyOwner {
19     _pause();
20 }
21
22 function unpause() public onlyOwner {
23     _unpause();
24 }
25
26 function mint(address to, uint256 amount) public onlyOwner {
27     mint(to, amount);
28 }
```

The bottom panel shows the transaction history, indicating a successful deployment of the contract. The transaction details include the block number (43228689), transaction index (16), and the contract address (0x7aF...96280). The transaction value is 0 wei, and the data field shows the contract address and the amount minted (1000000 * 10 ** decimals()).



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