

Hardhat DAOs

```
import "@openzeppelin/contracts/token/ERC20/extensions/ERC20Votes.sol";

contract GovernanceToken is ERC20Votes {
    uint256 public s_maxSupply = 1000000000000000000000000;

    constructor() ERC20("GovernanceToken", "GT") ERC20Permit("GovernanceToken") {
        _mint(msg.sender, s_maxSupply);
    }

    // The functions below are overrides required by Solidity.

    function _afterTokenTransfer(
        address from,
        address to,
        uint256 amount
    ) internal override(ERC20Votes) {
        super._afterTokenTransfer(from, to, amount);
    }

    function _mint(address to, uint256 amount) internal override(ERC20Votes) {
        super._mint(to, amount);
    }

    function _burn(address account, uint256 amount) internal override(ERC20Votes) {
        super._burn(account, amount);
    }
}
```

```
import "@openzeppelin/contracts/access/Ownable.sol";

contract Box is Ownable {
    uint256 private value;

    // Emitted when the stored value changes
    event ValueChanged(uint256 newValue);

    // Stores a new value in the contract
    function store(uint256 newValue) public onlyOwner {
        value = newValue;
        emit ValueChanged(newValue);
    }

    // Reads the last stored value
    function retrieve() public view returns (uint256) {
        return value;
    }
}
```