1. Screenshots

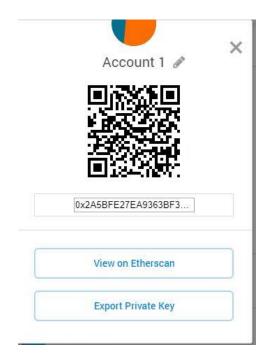


Figure 1.1

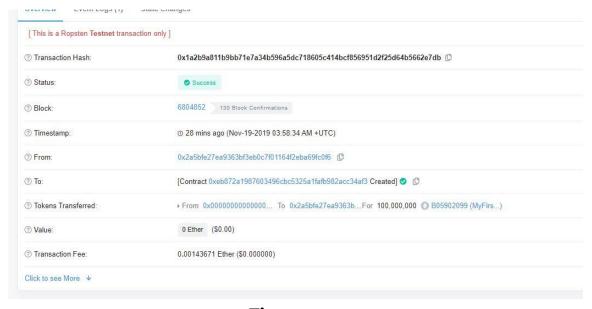


Figure 1.2

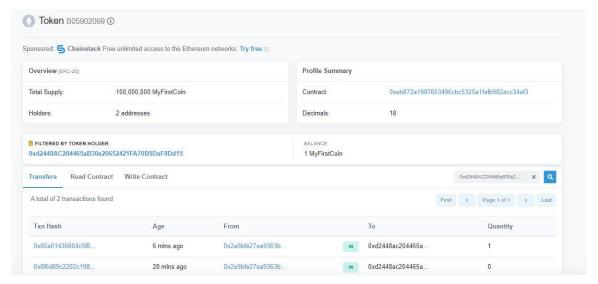


Figure 1.3

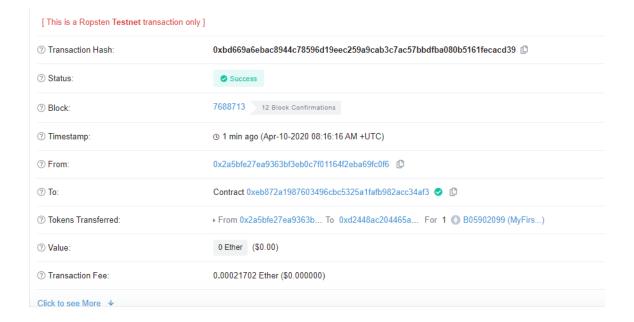


Figure 1.4

I used the Token created last year, and send another token to the given address.

Figure 1.1 shows my address (Metamask). **Figure 1.2** shows token creation. **Figure 1.3** shows my token details (transaction & contract). **Figure 1.4** shows transaction, sending **1 Token B05902099** to the given address.

2. Contents of the code (ERC20 Protocol)

```
a) //TotalSupply
function totalSupply() public constant returns (uint) {
    return _totalSupply - balances[address(o)];
  }
b) //BalanceOf
function balanceOf(address tokenOwner) public constant returns (uint balance) {
    return balances[tokenOwner];
 }
c) //Allowance
function allowance(address tokenOwner, address spender) public constant
returns (uint remaining) {
    return allowed[tokenOwner][spender];
 }
d) //transfer
function transfer(address to, uint tokens) public returns (bool success) {
    balances[msg.sender] = safeSub(balances[msg.sender], tokens);
    balances[to] = safeAdd(balances[to], tokens);
    emit Transfer(msg.sender, to, tokens);
    return true;
}
e) //Approve
function approve(address spender, uint tokens) public returns (bool success) {
    allowed[msg.sender][spender] = tokens;
    emit Approval(msg.sender, spender, tokens);
    return true;
  }
```

```
f) //transferFrom
function transferFrom(address from, address to, uint tokens) public returns (bool
success) {
    balances[from] = safeSub(balances[from], tokens);
    allowed[from][msg.sender] = safeSub(allowed[from][msg.sender], tokens);
    balances[to] = safeAdd(balances[to], tokens);
    emit Transfer(from, to, tokens);
    return true;
  }
g) //Approve and call: for spender to transferFrom(...) tokens from the token
owner's account, and then receiveApproval is executed.
function approveAndCall(address spender, uint tokens, bytes data) public returns
(bool success) {
    allowed[msg.sender][spender] = tokens;
    emit Approval(msg.sender, spender, tokens);
    ApproveAndCallFallBack(spender).receiveApproval(msg.sender, tokens,
this, data);
    return true;
  }
h) //ReceiveApproval: Function to receive approval and execute function in one
call
contract ApproveAndCallFallBack {
  function receiveApproval(address from, uint256 tokens, address token, bytes
data) public;
}
i) //ReceiveApproval: Function to receive approval and execute function in one
call
contract ApproveAndCallFallBack {
  function receiveApproval(address from, uint256 tokens, address token, bytes
data) public;
}
```

```
//MY CONTRACT CODE
contract Bo5902099 is ERC20Interface, Owned, SafeMath {
 string public symbol;
 string public name;
 uint8 public decimals;
 uint public _totalSupply;
 mapping(address => uint) balances;
 mapping(address => mapping(address => uint)) allowed;
 // Constructor
 constructor() public {
   symbol = "B05902099";
   name = "B05902099";
   decimals = 18;
   balances[0x2A5BFE27EA9363BF3EB0c7F01164F2eBa69FC0F6] =
_totalSupply;
   emit Transfer(address(o),
ox2A5BFE27EA9363BF3EBoc7F01164F2eBa69FCoF6, _totalSupply);
 }
 // Total supply
 function totalSupply() public constant returns (uint) {
   return _totalSupply - balances[address(o)];
 }
 // Get the token balance for account tokenOwner
 function balanceOf(address tokenOwner) public constant returns (uint
balance) {
   return balances[tokenOwner];
```

```
}
  // Transfer the balance from token owner's account to to account
 // - Owner's account must have sufficient balance to transfer
 // - o value transfers are allowed
 function transfer(address to, uint tokens) public returns (bool success) {
    balances[msg.sender] = safeSub(balances[msg.sender], tokens);
    balances[to] = safeAdd(balances[to], tokens);
    emit Transfer(msg.sender, to, tokens);
    return true;
  }
  // Token owner can approve for spender to transferFrom(...) tokens
  // from the token owner's account
 // https://github.com/ethereum/EIPs/blob/master/EIPS/eip-20-token-
standard.md
  // recommends that there are no checks for the approval double-spend attack
 // as this should be implemented in user interfaces
  function approve(address spender, uint tokens) public returns (bool success) {
    allowed[msg.sender][spender] = tokens;
    emit Approval(msg.sender, spender, tokens);
    return true;
 }
```

```
// Transfer tokens from the from account to the to account
 // The calling account must already have sufficient tokens approve(...)-d
 // for spending from the from account and
 // - From account must have sufficient balance to transfer
 // - Spender must have sufficient allowance to transfer
 // - o value transfers are allowed
 function transferFrom(address from, address to, uint tokens) public returns
(bool success) {
    balances[from] = safeSub(balances[from], tokens);
    allowed[from][msg.sender] = safeSub(allowed[from][msg.sender], tokens);
    balances[to] = safeAdd(balances[to], tokens);
    emit Transfer(from, to, tokens);
    return true;
 }
 // Returns the amount of tokens approved by the owner that can be
 // transferred to the spender's account
 function allowance(address tokenOwner, address spender) public constant
returns (uint remaining) {
    return allowed[tokenOwner][spender];
 }
```

```
// Token owner can approve for spender to transferFrom(...) tokens
  // from the token owner's account. The spender contract function
 // receiveApproval(...) is then executed
 function approveAndCall(address spender, uint tokens, bytes data) public
returns (bool success) {
    allowed[msg.sender][spender] = tokens;
    emit Approval(msg.sender, spender, tokens);
    ApproveAndCallFallBack(spender).receiveApproval(msg.sender, tokens,
this, data);
    return true;
 }
  // Don't accept ETH
 function () public payable {
    revert();
 }
 // Owner can transfer out any accidentally sent ERC20 tokens
 function transferAnyERC20Token(address tokenAddress, uint tokens) public
onlyOwner returns (bool success) {
    return ERC2oInterface(tokenAddress).transfer(owner, tokens);
 }
```

```
//Safe math
contract SafeMath {
  function safeAdd(uint a, uint b) public pure returns (uint c) {
    c = a + b;
    require(c \ge a);
  }
  function safeSub(uint a, uint b) public pure returns (uint c) {
    require(b <= a);
    c = a - b;
  }
  function safeMul(uint a, uint b) public pure returns (uint c) {
    c = a * b;
    require(a == o \mid\mid c \mid a == b);
  }
  function safeDiv(uint a, uint b) public pure returns (uint c) {
    require(b > o);
    c = a / b;
  }
}
```

```
// ERC Token Standard #20 Interface
contract ERC2oInterface {
    function totalSupply() public constant returns (uint);
    function balanceOf(address tokenOwner) public constant returns (uint balance);
    function allowance(address tokenOwner, address spender) public constant returns (uint remaining);
    function transfer(address to, uint tokens) public returns (bool success);
    function approve(address spender, uint tokens) public returns (bool success);
    function transferFrom(address from, address to, uint tokens) public returns (bool success);
    event Transfer(address indexed from, address indexed to, uint tokens);
    event Approval(address indexed tokenOwner, address indexed spender, uint tokens);
}
```