

NXTBlocks.Blockchain.Demo05

Released on December 20, 2018 (AssemblyVersion: 2019.1.101.21)

Description: NXTBlocks Blockchain Demo #05 (NXT_2019.1.101.21_DEM_05)

--- Begin Of Demo ---

```
{
  "Chain": [
    {
      "Index": 0,
      "TimeStamp": "2018-12-20T19:41:23.2349798+01:00",
      "PreviousHash": null,
      "Hash": "6Dwkw6Av/tc6QXqdJ5agArmOZT9VHaeigLLLWsYynn4=",
      "Data": "{}",
      "Nonce": 0
    },
    {
      "Index": 1,
      "TimeStamp": "2018-12-20T19:41:23.3302994+01:00",
      "PreviousHash": "6Dwkw6Av/tc6QXqdJ5agArmOZT9VHaeigLLLWsYynn4=",
      "Hash": "00phOSF7INVq2V/D8+uWHVvHNQQbl9LEC6vtePTnQTs=",
      "Data": "{sender:Alice,receiver:Bob,amount:10}",
      "Nonce": 5792
    },
    {
      "Index": 2,
      "TimeStamp": "2018-12-20T19:41:23.4841866+01:00",
      "PreviousHash": "00phOSF7INVq2V/D8+uWHVvHNQQbl9LEC6vtePTnQTs=",
      "Hash": "00nlNFcKDsredGVsDw2beiLgzqbXV+KZ0ZzxTRquggc=",
      "Data": "{sender:Alice,receiver:Bob,amount:20}",
      "Nonce": 697
    },
    {
      "Index": 3,
      "TimeStamp": "2018-12-20T19:41:23.5011168+01:00",
      "PreviousHash": "00nlNFcKDsredGVsDw2beiLgzqbXV+KZ0ZzxTRquggc=",
      "Hash": "004MK/leTPSw+WToqHSYcpZWcAkl1Jl/QvUb3UucN8=",
      "Data": "{sender:Alice,receiver:Bob,amount:30}",
      "Nonce": 1134
    }
  ],
  "Difficulty": 2
}
```

Is Chain Valid: True

Update amount to 100

Is Chain Valid: False

Update hash

Is Chain Valid: False

Update the entire chain

Updating block #1

Index = 1
TimeStamp = 20/12/2018 19:41:23
PreviousHash = 6Dwkw6Av/tc6QXqdJ5agArmOZT9VHaeigLLLWsYynn4=
Hash = CoFJLb9/cNg3XkFphxckuLFnCYo0Itur/fqB3FRsarY=
Data = {sender:Alice,receiver:Bob,amount:100}
Nonce = 5792

Updating block #2

Index = 2
TimeStamp = 20/12/2018 19:41:23
PreviousHash = CoFJLb9/cNg3XkFphxckuLFnCYo0Itur/fqB3FRsarY=
Hash = vXpjT44rx2SMYajBNHwVsYRYIxct1GVe4YDIqqNmKY4=
Data = {sender:Alice,receiver:Bob,amount:20}
Nonce = 697

Updating block #3

Index = 3
TimeStamp = 20/12/2018 19:41:23
PreviousHash = vXpjT44rx2SMYajBNHwVsYRYIxct1GVe4YDIqqNmKY4=
Hash = ghoSKtqWENIBNOpnkXl4V2++cUZfspANm6cQNDN7dbU=
Data = {sender:Alice,receiver:Bob,amount:30}
Nonce = 1134

Is Chain Valid: True

```
{
  "Chain": [
    {
      "Index": 0,
      "TimeStamp": "2018-12-20T19:41:23.2349798+01:00",
      "PreviousHash": null,
      "Hash": "6Dwkw6Av/tc6QXqdJ5agArmOZT9VHaeigLLLWsYynn4=",
      "Data": "{}",
      "Nonce": 0
    },
    {
      "Index": 1,
      "TimeStamp": "2018-12-20T19:41:23.3302994+01:00",
      "PreviousHash": "6Dwkw6Av/tc6QXqdJ5agArmOZT9VHaeigLLLWsYynn4=",
      "Hash": "CoFJLb9/cNg3XkFphxckuLFnCYo0Itur/fqB3FRsarY=",
      "Data": "{sender:Alice,receiver:Bob,amount:100}",
      "Nonce": 5792
    },
    {
      "Index": 2,
      "TimeStamp": "2018-12-20T19:41:23.4841866+01:00",
      "PreviousHash": "CoFJLb9/cNg3XkFphxckuLFnCYo0Itur/fqB3FRsarY=",
      "Hash": "vXpjT44rx2SMYajBNHwVsYRYIxct1GVe4YDIqqNmKY4=",
      "Data": "{sender:Alice,receiver:Bob,amount:20}",
      "Nonce": 697
    },
    {
      "Index": 3,
      "TimeStamp": "2018-12-20T19:41:23.5011168+01:00",
      "PreviousHash": "vXpjT44rx2SMYajBNHwVsYRYIxct1GVe4YDIqqNmKY4=",
      "Hash": "ghoSKtqWENIBNOpnkXl4V2++cUZfspANm6cQNDN7dbU=",
      "Data": "{sender:Alice,receiver:Bob,amount:30}",
    }
  ]
}
```

```
    "Nonce": 1134
  }
],
"Difficulty": 2
}
```

--- End Of Demo ---

Press Enter key to continue...