

NXTBlocks.Blockchain.Demo04

Released on December 20, 2018 (AssemblyVersion: 2019.1.101.45)

Description: NXTBlocks Blockchain Demo #04 (NXT_2019.1.101.45_DEM_04)

--- Begin Of Demo ---

Duration: 00:00:00.4387501

```
{
  "Chain": [
    {
      "Index": 0,
      "TimeStamp": "2018-12-20T12:51:29.4619348+01:00",
      "PreviousHash": null,
      "Hash": "0VB1ix6wBgNkFR7c5ozuvZCua5u/wGn/NbTk9j5VRDk=",
      "Data": "{}",
      "Nonce": 0
    },
    {
      "Index": 1,
      "TimeStamp": "2018-12-20T12:51:29.4669314+01:00",
      "PreviousHash": "0VB1ix6wBgNkFR7c5ozuvZCua5u/wGn/NbTk9j5VRDk=",
      "Hash": "00tdhfHf4/EBXsVx0RFH6u92x0LAOnAOgoPaoD/BINc=",
      "Data": "{sender:Alice,receiver:Bob,amount:10}",
      "Nonce": 11370
    },
    {
      "Index": 2,
      "TimeStamp": "2018-12-20T12:51:29.6648182+01:00",
      "PreviousHash": "00tdhfHf4/EBXsVx0RFH6u92x0LAOnAOgoPaoD/BINc=",
      "Hash": "00zMkfgDxMkiiFputh3c9Gmh/FolisHsBHYr4zDr8G8=",
      "Data": "{sender:Alice,receiver:Bob,amount:20}",
      "Nonce": 2436
    },
    {
      "Index": 3,
      "TimeStamp": "2018-12-20T12:51:29.7077935+01:00",
      "PreviousHash": "00zMkfgDxMkiiFputh3c9Gmh/FolisHsBHYr4zDr8G8=",
      "Hash": "00OVn8R4coy9DdBNxkuBCbnAZJI9rSrOJj0/D5gAcCI=",
      "Data": "{sender:Alice,receiver:Bob,amount:30}",
      "Nonce": 11786
    }
  ],
  "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 12:51:29

PreviousHash = 0VB1ix6wBgNkFR7c5ozuvZCua5u/wGn/NbTk9j5VRDk=

Hash = tfHIU92XZrDgrsnAdKhwwBRTJpXwS8iQpKN1MF2+i+4=

Data = {sender:Alice,receiver:Bob,amount:100}

Updating block #2

Index = 2

TimeStamp = 20/12/2018 12:51:29

PreviousHash = tfHIU92XZrDgrsnAdKhwwBRTJpXwS8iQpKN1MF2+i+4=

Hash = HFiHDS5krFn5mbMEqoKQlebzpf6IXKVKKaVchqXNXq8=

Data = {sender:Alice,receiver:Bob,amount:20}

Updating block #3

Index = 3

TimeStamp = 20/12/2018 12:51:29

PreviousHash = HFiHDS5krFn5mbMEqoKQlebzpf6IXKVKKaVchqXNXq8=

Hash = ZqGeAR9K3PYgVe5tls6CvvJAKi18UobG5VwnCvP2aTI=

Data = {sender:Alice,receiver:Bob,amount:30}

Duration: 00:00:00.0089946

Is Chain Valid: True

```
{
  "Chain": [
    {
      "Index": 0,
      "TimeStamp": "2018-12-20T12:51:29.4619348+01:00",
      "PreviousHash": null,
      "Hash": "0VB1ix6wBgNkFR7c5ozuvZCua5u/wGn/NbTk9j5VRDk=",
      "Data": "{}",
      "Nonce": 0
    },
    {
      "Index": 1,
      "TimeStamp": "2018-12-20T12:51:29.4669314+01:00",
      "PreviousHash": "0VB1ix6wBgNkFR7c5ozuvZCua5u/wGn/NbTk9j5VRDk=",
      "Hash": "tfHIU92XZrDgrsnAdKhwwBRTJpXwS8iQpKN1MF2+i+4=",
      "Data": "{sender:Alice,receiver:Bob,amount:100}",
      "Nonce": 11370
    },
    {
      "Index": 2,
      "TimeStamp": "2018-12-20T12:51:29.6648182+01:00",
      "PreviousHash": "tfHIU92XZrDgrsnAdKhwwBRTJpXwS8iQpKN1MF2+i+4=",
      "Hash": "HFiHDS5krFn5mbMEqoKQlebzpf6IXKVKKaVchqXNXq8=",
      "Data": "{sender:Alice,receiver:Bob,amount:20}",
      "Nonce": 2436
    },
    {
      "Index": 3,
      "TimeStamp": "2018-12-20T12:51:29.7077935+01:00",
      "PreviousHash": "HFiHDS5krFn5mbMEqoKQlebzpf6IXKVKKaVchqXNXq8=",
      "Hash": "ZqGeAR9K3PYgVe5tls6CvvJAKi18UobG5VwnCvP2aTI=",

```

```
"Data": "{sender:Alice,receiver:Bob,amount:30}",  
"Nonce": 11786  
}  
],  
"Difficulty": 2  
}
```

--- End Of Demo ---

Press Enter key to continue...