

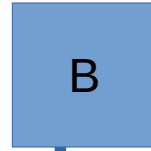
Promises approach

Sender

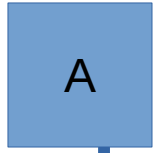


Offline

Receiver

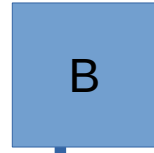


Sender



Offline

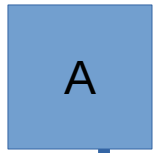
Receiver



show request: {Pb_B}



Sender



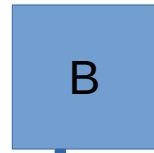
A



scan request: {Pb_B}

Offline

Receiver



B



show request: {Pb_B}



Sender

Offline

Receiver

A

B

```
scan request: {Pb_B}
prepare Promise:
{
  Sender: Pb_A
  Request: {Pb_B}
  Amount: <Long>
  Nonce: <Long>
  Timestamp: <Long>
  Signature: Sign(Pv_A, Hash{
    Sender: Pb_A
    Request: {Pb_B}
    Amount: <Long>
    Nonce: <Long>
    Timestamp: <Long>
  })
}
```

show request: {Pb_B}



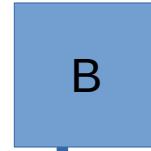
Sender

Offline

Receiver




A




B

scan request: {Pb_B}
prepare Promise:
{
Sender: Pb_A
Request: {Pb_B}
Amount: <Long>
Nonce: <Long>
Timestamp: <Long>
Signature: Sign(Pv_A, Hash{
Sender: Pb_A
Request: {Pb_B}
Amount: <Long>
Nonce: <Long>
Timestamp: <Long>
})
}



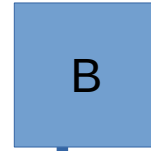
show request: {Pb_B}



Sender


Offline

Receiver



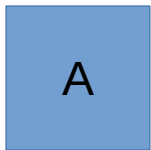
```
scan request: {Pb_B}
prepare Promise:
{
  Sender: Pb_A
  Request: {Pb_B}
  Amount: <Long>
  Nonce: <Long>
  Timestamp: <Long>
  Signature: Sign(Pv_A, Hash{
    Sender: Pb_A
    Request: {Pb_B}
    Amount: <Long>
    Nonce: <Long>
    Timestamp: <Long>
  })
}
```



show request: {Pb_B} 

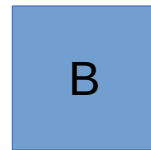
scan Promise

Sender



Back Online

Receiver

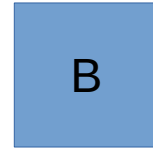


Sender



Back Online

Receiver



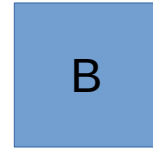
Unfulfilled promises:
- T1

Sender



Back Online

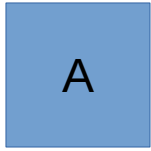
Receiver



Unfulfilled promises:

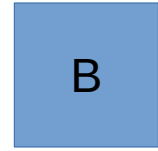
- T1
- announce unfulfilled promises

Sender



Back Online

Receiver



Unfulfilled promises:

- T1
- announce unfulfilled promises

Unconfirmed balance:

- T1 since <Date>

(idea: option to report old unfulfilled promises to a central authority so A goes into debt?)