

# Message Module

Messages specified by BandChain. All messages presented in this module are extended from Protobuf's messages, which are generated from the[proto files](#) . For specification can be found[here](#) .

Here are methods that are extended from original protobuf classes.

## toAny

Returns an Google Protobuf's[Any](#) instance that are used to construct transactions.

Return

- [Any](#)
- - a Google Protobuf'sAny
- instance containing serialized messaged and type URL

Example

```
import
{
  Message ,
  Coin
}
from
'@bandprotocol/bandchain.js' const
{
  MsgRequestData
}
=
Message
const sender =
'band17n5rmujk78nkgss7tjecg4nfnz6geg4cvaqt5h' const oracleScriptId =
37 const calldata =
Buffer . from ( '000000020000000034254430000000034554480000000000000064' ,
'hex' ) const askCount =
4 const minCount =
3 const clientId =
'from_bandchain.js' const msg =
new
MsgRequestData ( oracleScriptId , calldata , askCount , minCount , clientId , sender )
const any = msg . toAny ( ) console . log ( any . getTypeId ( ) ) console . log ( any . getValue_asB64 ( ) ) Result
/oracle.v1.MsgRequestData
CCUSGgAAAAIAAADQIRDAAAAA0VUSAAAAAAAABkGAQgAyoRZnJvbV9iYW5kY2hhaW4uanM40IYDQOCnEkorYmFuZDE3bjVybXVqazc4bmtnc3M3dGplY2c0bmZ6bjZnZWc0Y3ZhcXQ1aA==
```

## validate

Validates the message in a basic manner to ensure that there are no invariant values stored in the message instance. If message's validation fails, it will throw the exception.

Example

```
import
{
  Message ,
  Coin
}
from
'@bandprotocol/bandchain.js' const
{
  MsgSend
}
=
Message
const sender =
'band17n5rmujk78nkgss7tjecg4nfnz6geg4cvaqt5h' const receiver =
'band1p46uhvdk8vr829v747v85hst3mur2dzlmlac7f' const sendAmount =
new
Coin ( ) sendAmount . setDenom ( 'uband' ) sendAmount . setAmount ( '10' ) const msg =
new
MsgSend ( sender , receiver ,
[ sendAmount ] )
```

