Kaspa Common Stratum Protocol
Kaspa Common Stratum Protocol is standardized by kaspa-pool, WoolyPooly,
F2Pool and HumPool.
mining.subscribe
params:["IceRiverMiner-v1.1","EthereumStratum/1.0.0"]
result:[true,"Protocol version"]

```
// request:
{
    "id":1,
    "method":"mining.subscribe",
    "params":[
        "IceRiverMiner-v1.1",
        "EthereumStratum/1.0.0"
    ]
}

// response:
{
    "id":1,
    "result":[
        true,
        "EthereumStratum/1.0.0"
    ],
    "error":null
}
```

mining.set_difficulty
params: [Nth integer of 2]
```
{
    "id":2,
    "method":"mining.set_difficulty",
    "params":[
        4096
    ]
}
```

mining.set_extranonce
```
{
    "id":3,
    "method":"mining.set_extranonce",
    "params":[
        "0001"
    ]
}
```

nonce-prefix is first part of the block header nonce (in hex).

By protocol, Kaspa's nonce is 8 bytes long. The miner will pick nonce2
such that len(nonce2) = 8 - len(nonce-prefix) = 8 - 2 = 6 bytes.

mining.authorize

```
params: ["username", "password"]
result: true

{
    "id":3,
    "method":"mining.authorize",
    "params":[

"kaspa:qzcd29ee8ez7xwkvsu9n232vl093g3q0z0t0yqklczmnfk8j8pswxt9aqg5yl.work
name",
        ""
    ]
}

{"id":3,"params":"mining.authorize","result":true}



mining.notify
params: ["jobId", "header hash"]

{
    "id":1,
    "method":"mining.notify",
    "params":[
        "34",

"2461684d90ef4e9fa55ca550ed4f9dd472d7bde502e01bf45ab7a3336d43cc9d4b9c7b48
86010000"
    ]
}



mining.submit
params: [ "username", "jobId", "nonce" ]
result: true / false

{
    "id":140,
    "method":"mining.submit",
    "params":[

"kaspa:qzcd29ee8ez7xwkvsu9n232vl093g3q0z0t0yqklczmnfk8j8pswxt9aqg5yl.work
name",
        "34",
        "00011f7a5745732a"
    ]
}

{"id":140,"result":true,"error":null}      // accepted share response
{"id":140,"result":null,"error":[30,"Low difficulty share",null]}  //
rejected share response

nonce2 is the second part of the nonce.
```